



UIGREENMETRIC

20 26

SUSTAINABILITY REPORT POLIBATAM

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CONCLUSION



Assalamu'alaikum warahmatullahi wabarakatuh, May peace and prosperity be upon us all.

Politeknik Negeri Batam remains committed to becoming a leading vocational higher education institution that not only excels in education, applied research, and industry collaboration, but also delivers tangible benefits to society and the environment. This commitment is aligned with the principles of sustainable development, which position the campus as a place for learning, innovation, and the implementation of best practices in fostering environmental awareness and a culture of environmental responsibility.

This Sustainability Report has been prepared as a form of documentation, reflection, and accountability for the various efforts undertaken by Politeknik Negeri Batam to support the development of a sustainable campus. Through this report, the initiatives that have been implemented are presented comprehensively, including campus environmental management, waste reduction and reuse, composting, the utilization and preservation of green spaces, resource efficiency, and the strengthening of a sustainability culture among the academic community.

For Politeknik Negeri Batam, sustainability is not merely an institutional agenda, but also an integral part of vocational education that is closely connected to everyday life. Through project-based learning, applied research, student innovation, and collaboration with various stakeholders, Polibatam continues to encourage the development of practical solutions that respond to the needs of society, industry, and the environment.

This report also serves as a means of assessing the extent to which the initiatives undertaken have generated benefits and positive changes within the campus ecosystem. Organic waste processed into compost, green spaces that are continuously maintained, and the active participation of the campus community in environmental initiatives are examples of small yet meaningful efforts that, when carried out consistently, can create a significant impact on the future.

We hope that this report will serve as a valuable resource for evaluation and inspiration, while further strengthening our shared commitment to establishing Politeknik Negeri Batam as a green, inclusive, innovative, and sustainable vocational higher education institution. We extend our sincere appreciation to all parties who have contributed to and supported the various sustainability programmes and initiatives across the Polibatam campus.

From our campus, we cultivate sustainability.
Through vocational education, we create an impact for the future.

Wassalamu'alaikum warahmatullahi wabarakatuh.





SETTING AND INFRASTRUCTURE

- 9. Industry, Innovation and Infrastructure
- 11. Sustainable Cities and Communities
- 12. Responsible Consumption and Production
- 14. Life Below Water
- 15. Life on Land
- 17. Partnerships for The Goals



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

[1.3] Number of Campus Sites



Politeknik Negeri
Batam Kampus Utama



Politeknik Negeri
Batam Kampus Utama



Gedung Utama



Tower A



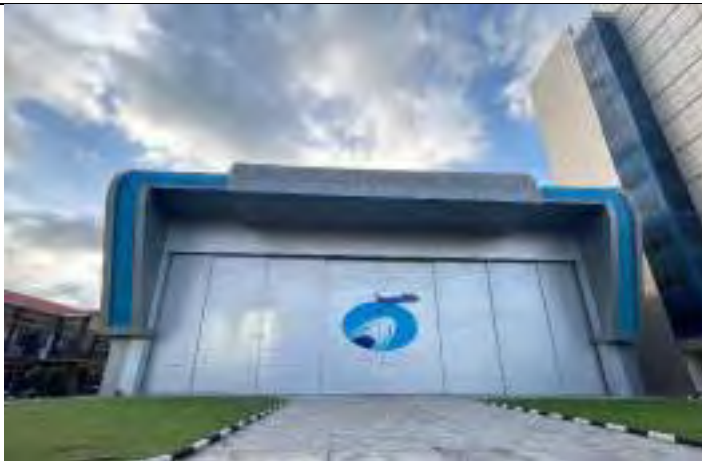
Technopreneur
Center



Teaching Factory



Gedung Train



Gedung Hanggar



Politeknik Negeri
Batam Kampus 2



Politeknik Negeri
Batam Kampus 2

Description:

1. Main Campus Area

Located in Ahmad Yani Street, Tlk. Tering, Batam Kota District, Batam City, Riau Islands Province.

We are established on 30th May, 2000. Polibatam comes from a private university named Batam Polytechnic organized by the Batam Education based on Ministerial Decree National Education Number 235/D/O/2000, concerning Establishment of Batam Polytechnic in Batam and Giving Registered Status to 3 (Three) Study Programs in Batam Polytechnic Environment in Batam. Afterwards Polibatam was established based on the Ministerial Regulation National Education Number 26 of 2010 concerning Establishment, Organization, and Work Procedures of State Polytechnics Batam on October 18, 2010.

Facilities and our Achievements:

- Vocational Education Center: 4 Academic Departments 25 Study Programs;
- Technopreneurship Development Center: 5 Center of Studies and 12 Applied Expertise Groups, Teaching Factory of Manufacture of Electronics, Teaching Industry of Multimedia & Animation, Teaching Production of Manufacture, Intellectual Property Center, ISE Investment Gallery, Tax Center;
- Competency Assessment Center: Certified Profession Body, Authorized LabView Academy, Authorized CISCO Networking Academy, Engineering Construction Industry Training Board, Authorized Language Proficiency based on TOEIC & TOEFL-ITP;
- Technopreneueship Development Center: Student Entrepreneurship Program, Business & Technology Incubator, Batam Technopark Training Center: Aircraft Maintenance Training Organization, Management & Business Training Center IS & IT Training Center, Electronics & Electrical; and
- Training Center, Design & Engineering Training Center.

2. Secondary Campus Area

Our secondary campus located in Batamindo Industrial Park.

The Batamindo Class is a Lecture Program organized by the Batam State Polytechnic on the Batamindo Industrial Estate campus and is attended by students full-time in the selected study program.

Lecture time is held Monday-Friday starting at 18:30 – 23:00 WIB. This lecture class was opened to facilitate students who are already working (employees) around the Batamindo Industrial Estate and want to continue their education to a higher level.

The education period is normally 6 semesters (3 years) for the Diploma 3 program, and 8 semesters (4 years) for the Applied Bachelor program. Theory learning is fully carried out online, both synchronously and asynchronously.

Meanwhile, practical learning is generally carried out with the Project/Product/Problem Based Learning (PBL) learning method, which is carried out in workspaces, workshops, and laboratories on campus or in industry.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. Campus Profile : <https://www.youtube.com/watch?v=3Bj0zfm608U&t=12s>
2. Campus Facilities: https://www.youtube.com/watch?v=DGvCq_tZJ3k
3. Campus Profile: https://www.youtube.com/watch?v=LaXoDxyhc_8
4. Profile of Department in Polibatam: <https://www.youtube.com/watch?v=IsjilTfarkE>
5. Supporting Evidence : https://drive.google.com/drive/folders/1ZeuuP_fr7q-lwSKjDPuwqOchslJpphcZ
6. <https://www.polibatam.ac.id/kehidupan-kampus/>







Template for Evidence(s) UI GreenMetric Questionnaire

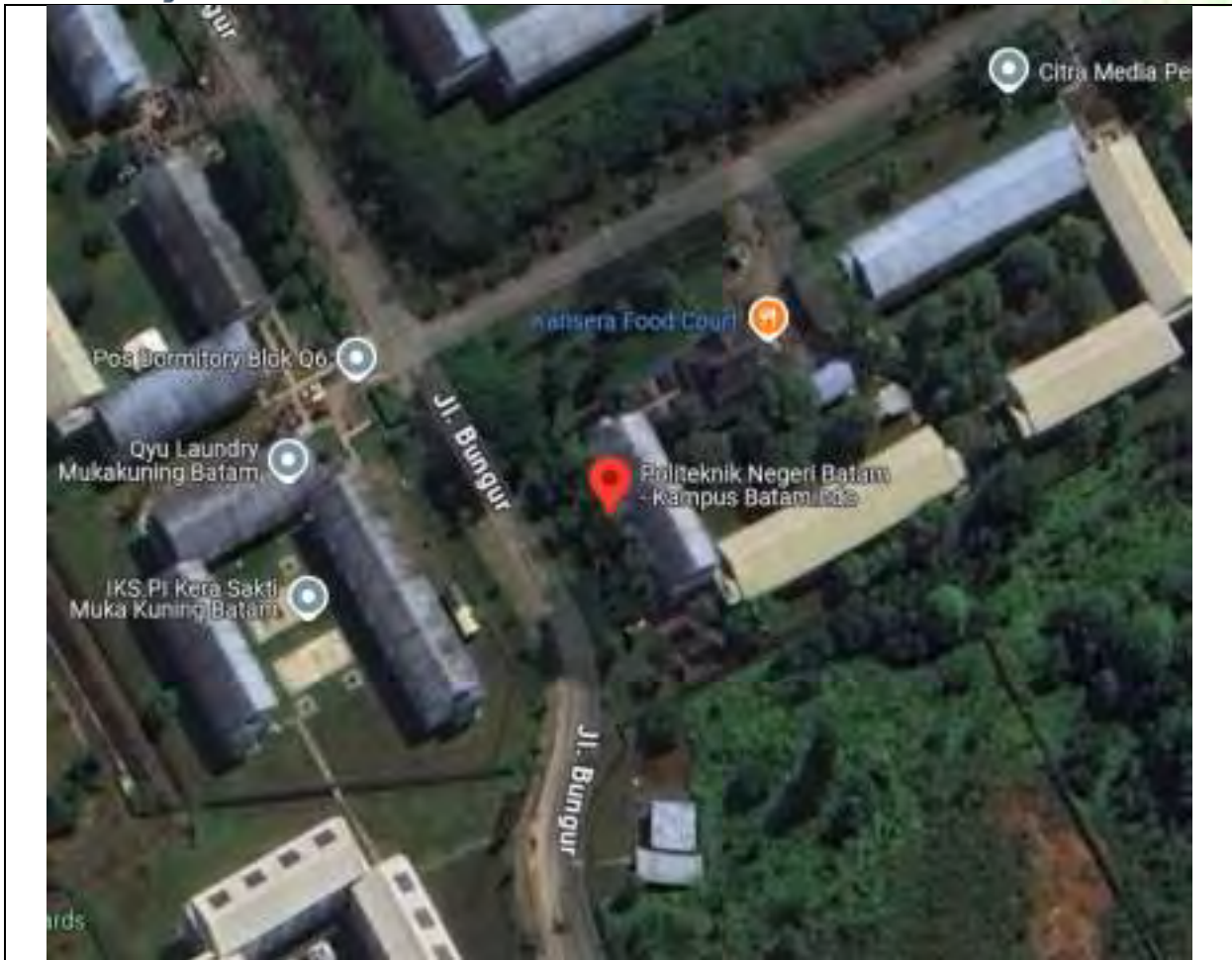
University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

[1.4] Campus Setting



Main Campus Polibatam is in the City Center of Batam



Secondary campus Polibatam located in Batamindo Industrial Park
Kabil, Kota Batam, Kepulauan Riau

Description:

Polibatam manages two campuses that are placed in key spots to make education that meets the needs of the business easier to get, better for the environment, and open to everyone possible. The main one combines modern building styles with designs that are good for the environment. It takes up about 12.5 hectares of land in the middle of Batam City. Tower A is the main part of the building. It has eight floors and contains administrative offices, workshops, and labs that are specifically built for their own uses. The idea behind that arrangement is to make the best use of room by putting things vertically instead of spreading them out. The building has teaching halls, an auditorium, a library, a mosque, and a canteen. This setup makes it easy for school and normal social activities to fit together.

For walking, there are many green open places, paths with trees for shade, and other areas on the grounds. All of this helps keep people cool and makes it easier for them to walk around. Polibatam is better for the earth because it uses energy-efficient lighting and air conditioning, separates trash for recycling, and has a strict policy against smoking. Polibatam's new buildings, like the Student Center Building, the Train Building, and the Technopreneur Center Building, show that they care about the environment and coming up with new ideas. These give people the chance to learn about the environment, start businesses, and work together on projects.

It is in the Batamindo Industrial Area where the second school is located. It works like an industrial laboratory, but



it focuses on methods that are good for the earth and works with businesses. The site helps fund student projects and hands-on study that look into how to make factories more eco-friendly, use energy from renewable sources, and be smart about how they use resources. As time goes on, the Sustainable Campus Initiative of Polibatams keeps growing on both places. It tries to include sustainability in its daily activities, studies, and lessons. It also wants to improve its neighborhood relationships and make people more aware of environmental issues.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://drive.google.com/drive/folders/1O-2Bzyu1LIBJuT5K4Lxp8TWTPy9GbhQ0?usp=sharing>

https://www.youtube.com/watch?v=LaXoDxyhc_8

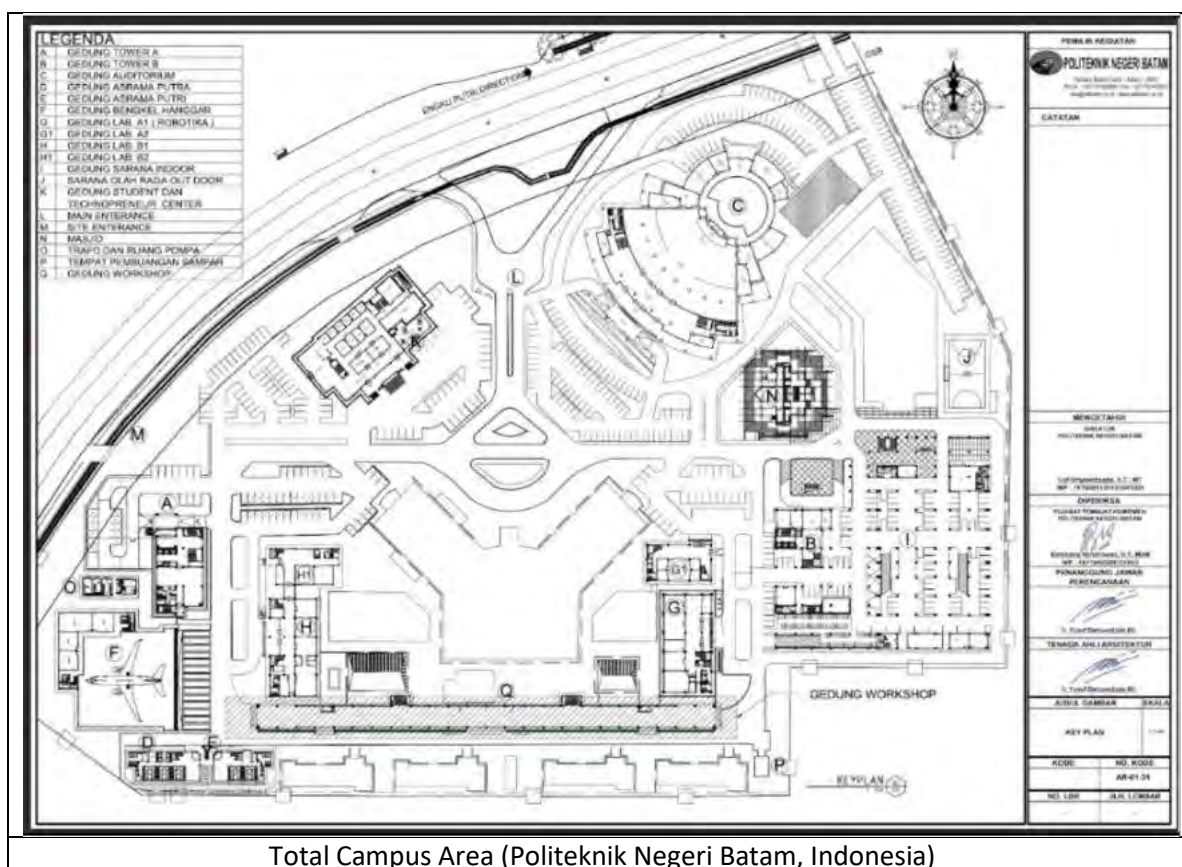


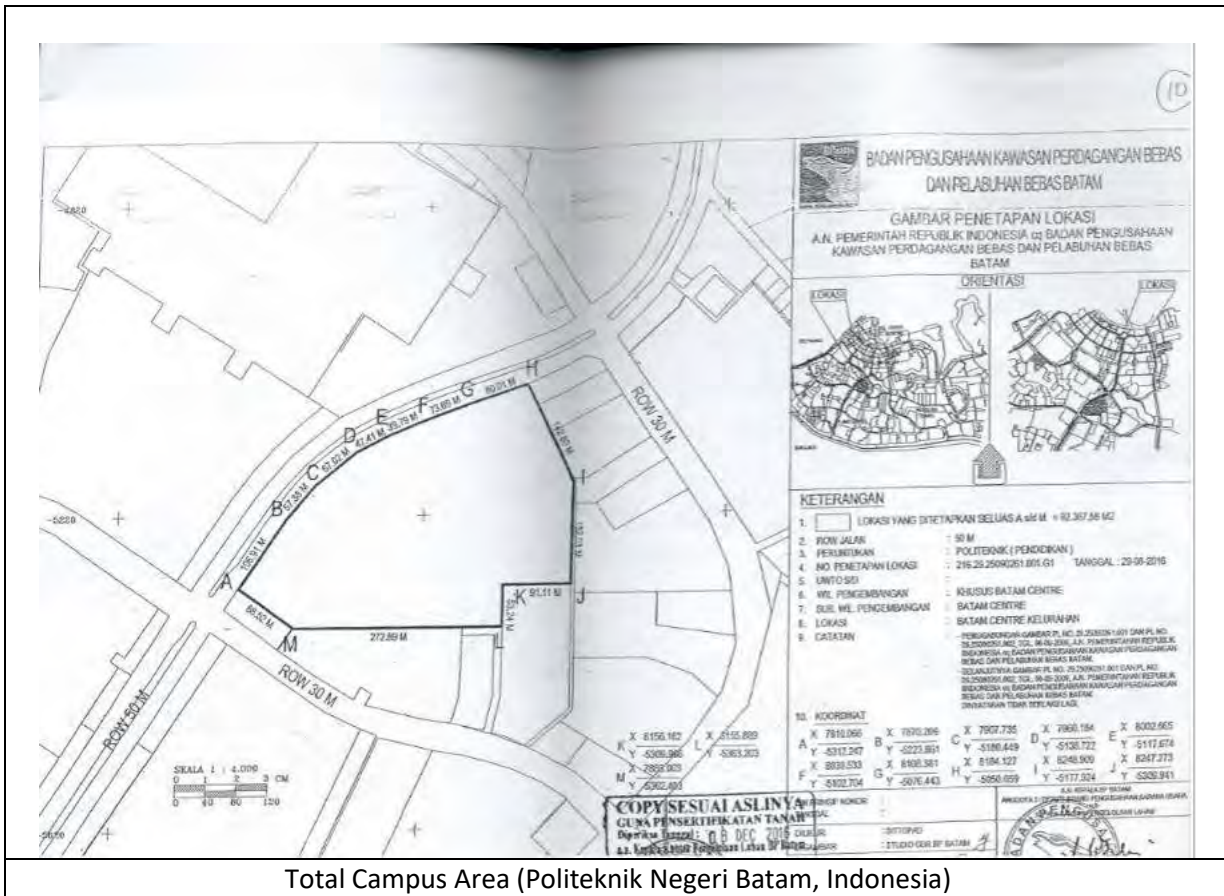
Template for Evidence(s) UI GreenMetric Questionnaire

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Web Address : www.polibatam.ac.id

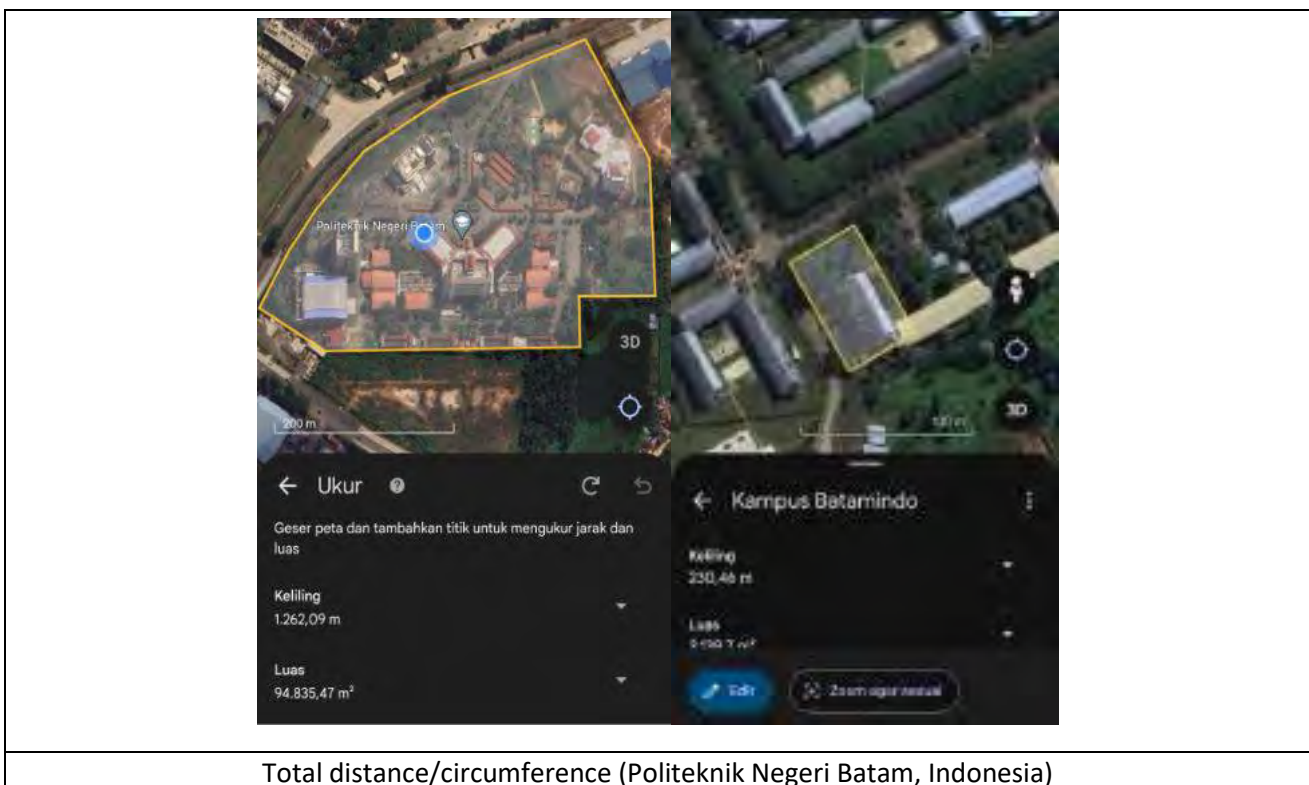
[1] Setting and Infrastructure (SI)

[1.5] Total Campus Area (meter²)

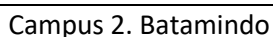




Total Campus Area (Politeknik Negeri Batam, Indonesia)



Total distance/circumference (Politeknik Negeri Batam, Indonesia)



NO	Campus	Area (m ²)	Distance
1	Campus Batam Centre	92.367	1.262,09
2	Campus Batamindo	3.138,7	230,46

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):



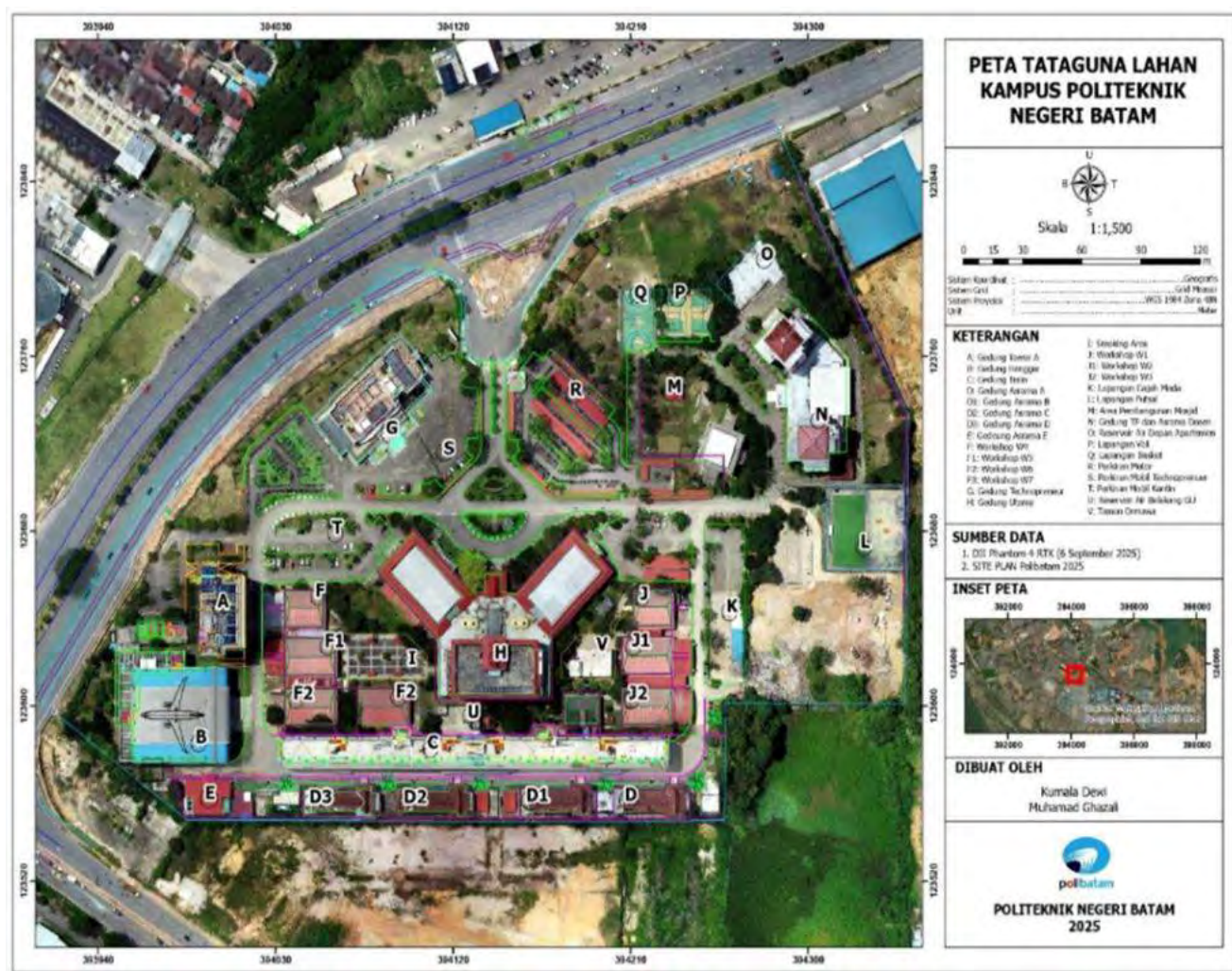
1. https://www.google.com/maps/place/Politeknik+Negeri+Batam/@1.1184235,104.0478508,202m/data=!3m1!1e3!4m6!3m5!1s0x31d98921856ddfab:0xf9d9fc65ca00c9d!8m2!3d1.1187205!4d104.0484566!16s%2Fg%2F1hc0g0x3x?entry=ttu&g_ep=EgoyMDI2MDYwOS4wIKXMDS0ASAFQAw%3D%3D
2. <https://www.polibatam.ac.id/>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : www.polibatam.ac.id

[1] [Setting & Infrastructure]

[1.7] Total campus buildings area



Gedung Utama Building	Technopreneur Center Building
	
Area: 14.881 m ²	Area: 3.752 m ²
Tower A Building	Workshop 5,6 dan 7 Building
	 
Area: 9.045 m ²	Area: 1.244 m ²
Teaching Factory Building	Hanggar Building
	

Area: 4.018 m ²	Area: 3.763 m ²
Workshop 1,2,3 Building	Asrama E Building
	
Area : 1.377 m ²	Area : 669 m ²

TRAIN Building



Asrama A-D



		
Area : 9.601 m ²	Area : 3.056 m ²	
Gudang BMN	Rumah Kompos	
		
108 m ²	108 m ²	

The evidence provided may also include maps showing the location, area size, or distribution of facilities relevant to the indicators

Description:

Building name	Total Area (m2)
Gedung Utama	14.881
Gedung Teaching Factory	4.018
Gedung Technopreneur	3.752
Gedung Mohamad Nasir (Tower A)	9.045
Gedung Hanggar	3.763
Asrama E	669
Asrama A,B,C dan D	3.056
Workshop W1, W2 dan W3	1.377
Workshop W5, W6 dan W7	1.244
Gedung TRAIN	9.601
Gudang BMN	108
Rumah Kompos	108
JUMLAH	51.601

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	Gedung Utama		
1	LANTAI 1		
	SISI KIRI		
	- Gudang	1,52	
	-Pantry	1,71	
	-Toilet pria	1,58	
	-Toilet Wanita	1,58	
	-R,Perpustakaan	193,73	
	-R, Kep Perpustakaan	41,67	
	-Ruang Informasi	132,68	
	-Ruang BEM	77,19	
	-Ruang HIMA	77,19	
	-Ruang ORMAWA	77,19	
	-Teras depan	138,78	
	-Teras belakang	113,42	
	SISI KANAN		
	ENTERPRICE	99,80	
	GUDANG ARSIP	76,80	
	KANTIN M'SISWA	241,70	
	GUDANG/ KITCHEN	141,30	
	R,P3K	23,60	
	R,STAR SOLUTION	23,60	
	T,PIRA	4,70	
	T,WANITA	4,60	

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	R,TRANINING CENTRE	132,40	
	PANTRY	7,90	
	TANGGA	36,70	
	TERAS DEPAN	132,00	
	TERAS BELAKANG	97,80	
	TERAS DEPAN	132,00	
	TERAS BELAKANG	97,80	
	SISI TENGAH		
	HALL	828,30	
	R,KEPEG & KEU	84,10	
	R,KEP, UNIT	8,80	
	R,LAKTASI	16,30	
	MUSHOLLA	155,60	
	KORIDOR MUSHOLLA	38,70	
	TOILET PRIA	27,40	
	T,WUDHU PRIA	10,00	
	TOILET WANITA	23,00	
	KORIDOR DAN LOBBY LIFT	167,20	
	T,WUDHU WANITA	13,40	
	PANTRY CS	9,90	
	TANGGA DARURAT KIRI	0,20	
	TANGGA DARURAT KANAN	23,40	
	R,107 LAB, BAHASA	39,40	

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	R,107 LAB, KOMPUTER	103,90	
	R,107 STAFF	17,20	
	R,106 DOSEN	166,30	
	R,104 LAB, ME,1	97,30	
	R,102 LAB, ME,2	125,70	
	R,108 LAB, LIS,4	97,30	
	R,PANEL	4,30	
	R,110 LAB, LIS,3	122,70	
JUMLAH TOTTAL LUAS LANTAI 1			4.291,31
2	LANTAI 2		
	GUDANG ROBOT	36,40	
	LAB ROBOTIC	849,40	
	RB11	48,10	
	RB10	69,30	
	KORIDOR RB	189,70	
	TOILET PRIA RB	10,70	
	TOILET WANITAA RB	4,70	
	LOBBY LANTAI 2	512,70	
	AUDITORIUM	1.006,70	
	R,ARSIP AULA	18,60	
	R,GANTI AULA	24,40	
	TOILET PRIA AULA BELAKANG	14,70	

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	TOILET WANITA AULA BELAKANG	14,70	
	TANGGA AULA	12,70	
	R,PENYIMPANAN AULA	32,70	
	R,KONTROL AULA	10,90	
	TOILET WANITA AULA	14,70	
	TOILET PRIA AULA	17,20	
	R,202 LAB KOMPUTER MESIN	78,70	
	R,204 LAB KOMPUTER MESIN	77,40	
	R,206 LAB KOMPUTER MESIN	76,10	
	R,208 RUANG KELAS MESIN	76,10	
	R,210 RUANG KELAS MESIN	114,70	
	R,212 LAB MESIN	118,90	
	R,211 TU DAN STAFF	162,00	
	R,215 LAB KOMPUTER MESIN	163,50	
	KORIDOR DAN LOBBY LIFT	198,10	
	GUDANG CS	5,20	
	TOILET STAFF	5,10	
	TOILET PRIA KIRI	8,40	
	TANGGA DARURAT KIRI	0,60	
	TANGGA DARURAT KANAN	0,20	
	TOILET PRIA KANAN	11,10	
	TOILET WANITA	6,80	
JUMLAH TOTTAL LUAS LANTAI 2			3.991,20

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
3	LANTAI 3		
	ROOF GARDEN	1.100,60	
	R,301 RAPAT	79,10	
	R,302 RAPAT	56,10	
	R,304 DIREKTUR	23,30	
	R,304 PUDIR I	14,90	
	R,304 PUDIR II	20,10	
	R,304 PUDIR III	20,40	
	R,304 TAMU	32,30	
	R,304 STAFF	15,50	
	R, 303 SERVER	76,20	
	R,PANEL	4,80	
	R, 306 KERJASAMA	111,30	
	R, 308 UPT SI	76,20	
	R, 307 PENGADAAN & BMN	114,10	
	R, 307 SPI	25,80	
	R, 307 ARSIP	15,10	
	TOILET STAFF PRIA	16,60	
	TOILET STAFF WANITA	7,40	
	PANTRY	3,00	
	MUSHOLLA	14,20	
	T, WUDHU PRIA	3,60	
	T, WUDHU WANITA	3,60	

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	TOILET STAF KECIL PRIA	2,10	
	TOILET STAF KECIL WANITA	2,10	
	TANGGA DARURAT KIRI	0,60	
	TANGGA DARURAT KANAN	0,20	
	KORIDOR DAN LOBBY LIFT	178,20	
JUMLAH TOTTAL LUAS LANTAI 3			2.017,40
4	LANTAI 4		
	R,401 KELAS ELEKTRO	79,10	
	R,402 AUDIT MINI	151,40	
	R,403 DOSEN ELEKTRO	75,80	
	R,404 LABORATORIUM ELEKTRO	112,00	
	R,405 LABORATORIUM ELEKTRO	156,80	
	R,406 LABORATORIUM ELEKTRO	113,80	
	TOILET STAFF PRIA	16,60	
	TOILET STAFF WANITA	7,40	
	PANTRY	3,00	
	MUSHOLLA	14,20	
	T, WUDHU PRIA	3,60	
	T, WUDHU WANITA	3,60	
	TOILET STAF KECIL PRIA	2,10	
	TOILET STAF KECIL WANITA	2,10	
	TANGGA DARURAT KIRI	0,60	
	TANGGA DARURAT KANAN	0,20	

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	KORIDOR DAN LOBBY LIFT	178,20	
JUMLAH TOTTAL LUAS LANTAI 4			920,50
5	LANTAI 5		
	R, 501 LAB ELEKTRO	115,90	
	R, 501 DOSEN	25,80	
	R, 501 DOSEN KECIL	15,10	
	R,502 PRAKTEK DAN R, KELAS ELEKTRO	97,80	
	R, 503 LAB ELEKTRO	116,30	
	R, 503 DOSEN	25,80	
	R, 503 DOSEN KECIL	15,10	
	R,504 DOSEN	93,70	
	R, 506 KELAS DAN LAB ELEKTRO	93,70	
	R, 508 KELAS DAN LAB ELEKTRO	96,40	
	TOILET STAFF PRIA	16,60	
	TOILET STAFF WANITA	7,40	
	PANTRY	3,00	
	MUSHOLLA	14,20	
	T, WUDHU PRIA	3,60	
	T, WUDHU WANITA	3,60	
	TOILET STAF KECIL PRIA	2,10	
	TOILET STAF KECIL WANITA	2,10	
	TANGGA DARURAT KIRI	0,60	
	TANGGA DARURAT KANAN	0,20	

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	KORIDOR DAN LOBBY LIFT	178,20	
JUMLAH TOTTAL LUAS LANTAI 5			927,20
6	LANTAI 6		
	R,601	132,50	
	R,602	77,00	
	R,604	75,30	
	R,606	113,50	
	R,608	115,20	
	R,607	132,90	
	TOILET STAFF PRIA	16,60	
	TOILET STAFF WANITA	7,40	
	PANTRY	3,00	
	MUSHOLLA	14,20	
	T, WUDHU PRIA	3,60	
	T, WUDHU WANITA	3,60	
	TOILET STAF KECIL PRIA	2,10	
	TOILET STAF KECIL WANITA	2,10	
	TANGGA DARURAT KIRI	0,60	
	TANGGA DARURAT KANAN	0,20	
	KORIDOR DAN LOBBY LIFT	178,20	
JUMLAH TOTTAL LUAS LANTAI 6			878,00
7	LANTAI 7		

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	R,701 DOSEN IF	79,50	
	R,702 LAB IF	153,40	
	R,703 DOSEN IF	77,00	
	R,704 LAB IF	113,50	
	R,705 KELAS IF	78,10	
	R,706 LAB IF	115,00	
	R,707 KELAS IF	79,70	
	TOILET STAFF PRIA	16,60	
	TOILET STAFF WANITA	7,40	
	PANTRY	3,00	
	MUSHOLLA	14,20	
	T, WUDHU PRIA	3,60	
	T, WUDHU WANITA	3,60	
	TOILET STAF KECIL PRIA	2,10	
	TOILET STAF KECIL WANITA	2,10	
	TANGGA DARURAT KIRI	0,60	
	TANGGA DARURAT KANAN	0,20	
	KORIDOR DAN LOBBY LIFT	178,20	
JUMLAH TOTTAL LUAS LANTAI 7			927,80
8	LANTAI 8		
	R,801	79,60	
	R,802	153,40	
	R,803	77,00	

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	R,804	113,50	
	R,805	78,10	
	R,806	115,00	
	R,807	79,70	
	TOILET STAFF PRIA	16,60	
	TOILET STAFF WANITA	7,40	
	PANTRY	3,00	
	MUSHOLLA	14,20	
	T, WUDHU PRIA	3,60	
	T, WUDHU WANITA	3,60	
	TOILET STAF KECIL PRIA	2,10	
	TOILET STAF KECIL WANITA	2,10	
	TANGGA DARURAT KIRI	0,60	
	TANGGA DARURAT KANAN	0,20	
	KORIDOR DAN LOBBY LIFT	178,20	
JUMLAH TOTTAL LUAS LANTAI 8			927,90
JUMLAH TOTAL KESELURUHAN GEDUNG UTAMA			14.881,31

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	GEDUNG HANGGAR		
1	LANTAI 1		
	HANGGAR PESAWAT	1.539,10	
	LAB GWS & SHEET METAL	129,30	
	T, PRIA 1	14,30	

	TANGGA 1	14,90	
	T, WANITA 1	9,60	
	KORIDOR TOIELT 1	16,20	
	JANITOR 1	3,20	
	R, TOOL STORAGE	63,50	
	R, NDT SHOP & BATTERY SHOP	63,50	
	GWS & SHEET METAL SHOP	113,30	
	PANTRY	4,80	
	JANITOR 2	2,60	
	GUDANG	8,60	
	LOBBY TANGGA 2	24,10	
	TANGGA 2	18,10	
	T, PRIA 2	87,50	
	T, WANITA 2	11,60	
	SELASAR	121,60	
JUMLAH TOTTAL LUAS LANTAI 1			2.245,80
2	LANTAI 2		
	CLASS ROOM 1	63,50	
	AIRCRAFT SYSTEM SHOP 1	63,50	
	ADMINISTRASIACCONTEBLE MANAGER AND MEETING ROOM	63,50	
	INSTRUCTURE & ADMINISTRATION ROOM	103,00	
	RECORD ROOM	9,40	
	AIRCRAFT SYSTEM SHOP 2	47,10	
	BASIC ELECTRICAL & ELECTRONIC SHOP	63,50	
	T, PRIA 1	14,30	
	TANGGA 1	14,90	
	T, WANITA 1	9,60	
	KORIDOR TOIELT 1	16,20	
	JANITOR 1	3,20	
	PANTRY	4,80	
	JANITOR 2	2,60	
	GUDANG	8,60	
	LOBBY TANGGA 2	24,10	
	TANGGA 2	18,10	
	T, PRIA 2	87,50	
	T, WANITA 2	11,60	

	SELASAR / BALKON	121,60	
JUMLAH TOTTAL LUAS LANTAI 2			750,60
	LANTAI 3		
	CLASS ROOM 2	63,50	
	CLASS ROOM 3	63,50	
	CLASS ROOM 4	63,50	
	CBT LAB	129,30	
	AVIONIC & INSTRUMENT SHOP	47,10	
	CLASS ROOM 5	63,50	
	T, PRIA 1	14,30	
	TANGGA 1	14,90	
	T, WANITA 1	9,60	
	KORIDOR TOILET 1	16,20	
	JANITOR 1	3,20	
	PANTRY	4,80	
	JANITOR 2	2,60	
	GUDANG	8,60	
	LOBBY TANGGA 2	24,10	
	TANGGA 2	18,10	
	T, PRIA 2	87,50	
	T, WANITA 2	11,60	
	SELASAR / BALKON	121,60	
JUMLAH TOTTAL LUAS LANTAI 3			767,50
JUMLAH TOTAL KESELURUHAN HANGGAR			3.763,90

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	GEDUNG MONAS (TOWER A)		
1	LANTAI 1		
	DROP OF AREA	64,00	
	TERAS	27,80	

	MAIN LOBBY	36,80	
	KORIDOR	89,60	
	SITTING AREA	43,20	
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA UTAMA	41,20	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
	TERAS BELAKANG	10,20	
	AREA TANGGA DARURAT BELAKANG	23,90	
JUMLAH TOTTAL LUAS LANTAI 1			654,60
2	LANTAI 2		
	R, KAJUR DAN SEKJUR	75,20	TA204
	WORKSPACE AREA	40,60	
	R, TATA USAHA	39,10	TA203
	R, KONTROL	14,20	UPA TIK
	R,KPS	60,80	TA201
	R,LAB BIASA	128,30	TA202
	AREA TANGGA UTAMA	41,20	
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	

	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T, WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 2			741,20
3	LANTAI 3		
	R,3,1 KELAS KECIL	60,80	
	R,3,3 LAB BIASA	114,70	
	R,3,2 PENYIMPANAN	39,10	
	R,3,2 LAB KOMPUTER	192,70	
	R,3,1 KELAS KECIL	60,80	
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T, WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 3			809,90

4	LANTAI 4		
	R,4,1 RUANG DOSEN	231,70	
	R,4,2 RUANG DOSEN	51,20	
	R,4,3 KAJUR	19,60	
	R,4,4 KAPRODI AK,AMB,AB	20,70	
	R,4,5 RUANG SIDANG	19,90	
	R,4,6 RUANG SIDANG	19,90	
	KORIDOR	114,60	
	PRE FUNCTION	25,90	
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 4			845,30
5	LANTAI 5		
	R,5,1 KELAS KECIL	60,90	
	R,5,2 RUANG KELAS	64,00	
	R,5,3 KELAS KECIL	63,30	
	R,5,4 LAB KOMPUTER	63,30	
	R,5,5 SIDANG KECIL	39,20	
	KORIDOR	96,70	
	R,5,6 LAB KOMPUTER	113,80	
	PRE FUNCTION	25,90	

	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 5			868,90
6	LANTAI 6		
	R,6,1 KELAS KECIL	64,00	TA601
	R,6,2 KELAS KECIL	60,90	TA602
	R,6,3 LAB KOMPUTER	167,30	TA603
	R,6,4 LAB BIASA	113,80	TA604
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	

	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 6			747,80
7	LANTAI 7		
	R,7,1 KELAS KECIL	64,00	TA701
	R,7,2 KELAS KECIL	60,90	TA702
	R,7,3 LAB KOMPUTER	167,30	TA703
	R,7,3,2 LAB KOMPUTER	114,30	TA704
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 7			748,30
8	LANTAI 8		
	R,8,1 KELAS KECIL	60,90	TA801
	R,8,2 KELAS BESAR	128,40	TA802
	R,8,3 KELAS BESAR	103,90	TA803
	R,8,4 LAB	114,30	TA804
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	

	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 8			749,30
9	LANTAI 9		
	R,9,1 KELAS KECIL	61,20	TA901
	R,9,2 KELAS BESAR	128,40	TA902
	R,9,3 KELAS BESAR	103,60	TA903
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	

JUMLAH TOTTAL LUAS LANTAI 9			635,00
10	LANTAI 10		
	R,10,1 KELAS BESAR	61,20	TA1001
	R,10,2 KELAS BESAR	128,40	TA1002
	R,10,3 CYBER PHISICAL SYSTEM SECURITY LAB	103,60	TA1003
	R,10,4 ATTACK DEFENSE LAB	114,30	TA1004
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T,WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 10			749,30
11	LANTAI 11		
	R,11,1 COMMAND CENTRE	63,30	TA1101
	R,11,2 RUANG DOSEN	61,20	TA1102
	R,11,3 KELAS KECIL	63,30	TA1103
	R,11,4 DATA AND PRIVACY LAB	103,60	TA1104
	R,11,5 CYBER PRIVACY LAB	114,30	TA1105
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	

	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T, WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 11			747,50
12	LANTAI 12		
	R,12,1 KELAS KECIL	63,30	
	R,12,2 KELAS KECIL	61,20	
	R,12,3 KELAS BESAR	167,30	
	R,12,4 LAB	114,30	
	AREA TANGGA DARURAT DEPAN	24,80	
	AREA TANGGA DARURAT BELAKANG	23,90	
	LIFT LOBBY	20,30	
	SERVIS	5,80	
	R,PANEL	6,70	
	R, KONTROL	14,20	
	KANTIN	72,10	
	GALERY INVESTASI	60,80	
	BANK OFFICE	55,60	
	PANTRY	4,20	
	GUDANG	4,30	
	T, WANITA	14,00	
	T, PRIA	12,20	
	JANITOR	1,30	
	MUSHOLLA	6,70	
	KORIDOR TOILET	12,70	
	WUDHU	2,20	
JUMLAH TOTTAL LUAS LANTAI 12			747,90
JUMLAH TOTTAL LUAS TOWER A			9.045,00

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
1	BENGKEL W1		
	KORIDOR	13,70	
	GUDANG	16,70	
	R,INSTRUKTUR	16,60	
	LOCKERS 1	12,70	
	LOCKERS 2	12,70	
	TOILET 1	1,10	
	K,MANDI 1	1,60	
	K,MANDI 2	1,60	
	TOILET 2	1,10	
	UTM	34,20	
	IMPACT	18,10	
	MICOSKOP VICKER	15,20	
	SELASAR DEPAN	5,90	
	SELASAR BELAKANG	5,90	
	BENGKEL KERJA	101,79	
JUMLAH TOTAL LUAS LANTAI BENGKEL W1			258,89
2	BENGKEL W2		
	BENGKEL KERJA	254,80	
	R, GELAP	8,10	
	GUDANG	8,10	
	KORIDOR	13,70	
	LOCKERS 1	12,70	
	LOCKERS 2	12,70	
	TOILET 1	1,10	
	K,MANDI 1	1,60	
	K,MANDI 2	1,60	
	TOILET 2	1,10	
	SELASAR DEPAN	5,90	

	SELASAR BELAKANG	5,90	
	R,INSTRUKTUR	16,60	
JUMLAH TOTAL LUAS LANTAI BENGKEL W2			343,90
3	BENGKEL W3		
	BENGKEL KERJA	254,80	
	R, GELAP	8,10	
	GUDANG	8,10	
	KORIDOR	13,70	
	LOCKERS 1	12,70	
	LOCKERS 2	12,70	
	TOILET 1	1,10	
	K,MANDI 1	1,60	
	K,MANDI 2	1,60	
	TOILET 2	1,10	
	SELASAR DEPAN	5,90	
	SELASAR BELAKANG	5,90	
	R,INSTRUKTUR	16,60	
JUMLAH TOTAL LUAS LANTAI BENGKEL W3			343,90
4	BENGKEL W1,5		
	R. KELAS 1	43,20	
	R. KELAS 2	43,20	
	R. KELAS 3	43,20	
	Selasar Depan	7,92	
	Selasar Belakang	7,92	
JUMLAH TOTAL LUAS LANTAI BENGKEL W1,5			145,44
5	BENGKEL W2,5		
	R.DOSEN	41,56	
	R.WORKSHOP	192,00	
	SELASAR DEPAN	9,84	
	SELASAR BELAKANG	41,76	

JUMLAH TOTAL LUAS LANTAI BENGKEL W2,5		285,16
JUMLAH TOTAL LUAS LANTAI BENGKEL W1,2,3		1.377,29

1	BENGKEL W5		
	BENGKEL KERJA	254,80	
	R, GELAP	8,10	
	GUDANG	8,10	
	KORIDOR	13,70	
	LOCKERS 1	12,70	
	LOCKERS 2	12,70	
	TOILET 1	1,10	
	K,MANDI 1	1,60	
	K,MANDI 2	1,60	
	TOILET 2	1,10	
	SELASAR DEPAN	5,90	
	SELASAR BELAKANG	5,90	
	R,INSTRUKTUR	16,60	
	MEZANIN R,INSTRUKTUR BESAR	57,40	
	MEZANIN R,INSTRUKTUR KECIL 1	8,30	
	MEZANIN R,INSTRUKTUR KECIL 2	7,90	
	TERAS	13,90	
JUMLAH TOTTAL LUAS LANTAI BENGKEL W5			431,40
2	BENGKEL W6		
	BENGKEL KERJA	154,90	
	R, GELAP	8,10	
	GUDANG	8,10	
	KORIDOR	13,70	
	LOCKERS 1	12,70	
	LOCKERS 2	12,70	
	TOILET 1	1,10	
	K,MANDI 1	1,60	
	K,MANDI 2	1,60	

	TOILET 2	1,10	
	SELASAR DEPAN	5,90	
	SELASAR BELAKANG	5,90	
	R,INSTRUKTUR	16,60	
	R,PRAKTEK	100,90	
JUMLAH TOTTAL LUAS LANTAI BENGKEL W6			344,90
3	BENGKEL W7		
	R, GELAP	8,10	
	GUDANG	8,10	
	KORIDOR	13,70	
	LOCKERS 1	12,70	
	LOCKERS 2	12,70	
	TOILET 1	1,10	
	K,MANDI 1	1,60	
	K,MANDI 2	1,60	
	TOILET 2	1,10	
	SELASAR DEPAN	5,90	
	SELASAR BELAKANG	5,90	
	R,INSTRUKTUR	16,60	
	R,PRAKTEK 1	69,20	
	R,PRAKTEK 2	69,20	
JUMLAH TOTTAL LUAS LANTAI BENGKEL W7			227,50
4	BENGKEL W5,5		
	R. ASAM	9,00	
	R. OVEN	9,00	
	R. INSTRUMEN	7,50	
	GUDANG	7,50	
	R. PERSIAPAN SAMPEL	64,00	
	R. TIMBANG	8,75	
	R. STAFF	8,75	
	R. GANTI	16,00	
	KORIDOR	13,50	

JUMLAH TOTTAL LUAS LANTAI BENGKEL W5,5			144,00
5	BENGKEL W6,5		
	BENGKEL KERJA	88,08	
	SELASAR	8,26	
JUMLAH TOTTAL LUAS LANTAI BENGKEL W6,5			96,34
JUMLAH TOTAL LUAS LANTAI BENGKEL W5,6,7			1.244,14

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	Gedung Teaching Factory		
1	LANTAI DASAR		
	Meeting & Vicon Room	63,70	
	R,DOSEN	27,10	
	PCB Design and Drafting	58,10	
	Class Room	43,60	
	Musholla	19,20	
	WUDHU	5,10	
	Pantry	19,50	
	Kantin	79,80	
	Toilet pria	31,30	
	Toilet wanita	32,80	
	R,Teknisi	15,30	
	KORIDOR	172,60	
	LOBBY	138,90	
	R,GANTI	22,00	
	R,PANEL	27,70	
	teras depan	11,30	
	KORIDOR MANUFACTURING	43,70	
	koridor Storage	23,60	
	back Storage	31,00	
	Storage	32,90	

	MANUFACTURING	294,70	
	Surface Mount Technology (SMT)	88,20	
	R, GAS	20,10	
	R, Teknisi	15,30	
	R. Lab Geomatika lantai ground apartemen	111,26	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI DASAR			1.428,76
2	LANTAI 1		
	RTF 1,1 HALL OF INNOVATION	60,10	
	BALKON HALL OF INNOVATION	10,90	
	RTF 1,2 DESIGN CENTER	100,50	
	RTF 1,3 CLASS ROOM 1	44,70	
	BALKON CLASS ROOM 1	11,40	
	RTF 1,4 CLASS ROOM 2	72,20	
	TOILET PRIA	15,20	
	TOILET WANITA	15,10	
	KORIDOR	61,60	
	AREA T,DARURAT PANEL & LIFT	31,70	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI 1			423,40
3	LANTAI 2		
	RTF 2,1 BUSINESS & MEETING PRESENTASION ROOM	60,10	
	BALKON BUSINESS & MEETING PRESENTASION ROOM	10,90	
	RTF 2,2 BUSINESS & OFFICE SIMULATION LABOTARY	100,50	
	RTF 2,3 BUSINESS & OFFICE BUSINESS SIMULATION LABOTARY	44,70	
	BALKON BUSINESS & OFFICE BUSINESS SIMULATION LABOTARY	11,40	
	RTF 2,4 BUSSINESS CLASSROOM	72,20	
	TOILET PRIA	15,20	
	TOILET WANITA	15,10	
	MUSHOLA	8,40	
	KORIDOR	61,60	

	AREA T,DARURAT PANEL & LIFT	31,70	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI 2			431,80
4	LANTAI 3		
	RTF 3,1 STUDIO B	10,90	
	MCR STUDIO B	7,90	
	BALKON RTF 3,1 STUDIO B	10,90	
	RTF 3,4 MOCAB LAB	46,80	
	MCR MOCAB LAB	8,80	
	RTF 3,3 BOARDCASTING STUDIO A	49,10	
	RTF 3,5 LECTURER ROOM	38,40	
	BALKON LECTURER ROOM	11,40	
	RTF 3,6 LECTURER ROOM	31,50	
	RTF 3,7 RUANG DOSEN	32,10	
	TOILET PRIA	15,20	
	TOILET WANITA	15,10	
	PANTRY	8,40	
	KORIDOR	136,00	
	AREA T,DARURAT PANEL & LIFT	31,70	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI 3			454,20
5	LANTAI 4		
	RTF 4,1 CLASS ROOM	60,10	
	BALKON CLASS ROOM	10,90	
	RTF 4,2 ANIMATION LABORATORY	100,50	
	RTF 4,3 LECTURER ROOM	44,70	
	RTF 4,4 EDITING ROOM	31,50	
	RTF 4,5 VR LAB	32,10	
	TOILET PRIA	15,20	
	TOILET WANITA	15,10	
	PANTRY	8,40	
	BALKON LECTURER ROOM	11,40	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI 4			329,90
6	LANTAI 5		
	RTF 5,1 CLASS ROOM	57,80	

	BALKON CLASS ROOM	6,30	
	RTF 5,2 GIS LABORATORY	100,40	
	RTF 5,3 LECTURER ROOM	43,30	
	BALKON LECTURER ROOM	5,80	
	RTF 5,4 SURVEYING LABORATORY	71,40	
	TOILET PRIA	9,00	
	TOILET WANITA	7,10	
	PANTRY	7,40	
	KORIDOR	136,00	
	AREA T,DARURAT PANEL & LIFT	31,70	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI 5			476,20
7	LANTAI 6		
	RTF 6,1	57,80	
	BALKON RTF 6,1	6,30	
	RTF 6,2	99,30	
	RTF 6,3 LAB SURVEY HIDROGRAFI	43,30	
	BALKON LAB SURVEY HIDROGRAFI	5,80	
	RTF 6,4	71,40	
	TOILET PRIA	9,00	
	TOILET WANITA	6,70	
	MUSHOLA	7,40	
	KORIDOR	136,00	
	AREA T,DARURAT PANEL & LIFT	31,70	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI 6			474,70
7	LANTAI 7		
	RTF 7,1	45,60	
	RTF 7,2	73,60	
	RTF 7,3	49,10	
	RTF 7,4	52,70	
	TOILET PRIA	10,20	
	TOILET WANITA	11,20	
	KORIDOR	61,50	
	AREA T,DARURAT PANEL & LIFT	31,70	
JUMLAH TOTTAL LUAS LANTAI TF LANTAI 7			335,60

JUMLAH TOTTAL LUAS LANTAI GEDUNG TF	4.018,96
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No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	Gedung Technopreneur		
1	LANTAI 1		
	Teras depan	115,28	
	Lab Mesin	230,89	
	R. PBL 01	29,43	
	R. PBL 02	29,43	
	R. PBL 03	14,64	
	R. PBL 04	14,64	
	R. PBL 05	14,64	
	R. PBL 06	14,64	
	R. PBL 07	14,64	
	R. PBL 08	14,64	
	R.Persediaan	23,45	
	R. Instruktur	23,45	
	R. 3d Printing	53,70	
	R. simulasi	53,70	
	R. Mini teather / studio	69,00	
	R. server	16,58	
	Toilet Wanita	20,78	
	Janitor Wanita	2,36	
	Pantry Wanita	2,69	
	Toilet Pria	20,78	
	Janitor pria	2,36	
	Pantry pria	2,69	
	R. Tangga darurat	23,87	
	R. lift	5,03	
	Commonspace , R tangga 1, koridor	580,83	
	Selasar keliling	251,02	
JUMLAH TOTTAL LUAS LANTAI 1 TECHNOPRENEUR			1.645,19
2	LANTAI 2		

	R. PBL 2.01	52,86	
	R. PBL 2.02	52,98	
	R. PBL 2.03	52,86	
	R. PBL 2.04	69,00	
	R. server	16,58	
	Toilet Wanita	20,78	
	Janitor Wanita	2,36	
	Pantry Wanita	2,69	
	Toilet Pria	20,78	
	Janitor pria	2,36	
	Pantry pria	2,69	
	R. Tangga darurat	23,87	
	R. lift	5,03	
	R. Administrasi	88,01	
	Hall Inovation ,koridor dan display r, tunggu	422,94	
	Commonspace dan pedestrian rumput sintetic	420,32	
JUMLAH TOTTAL LUAS LANTAI 2 TECHNOPRENEUR			1.256,11
3	LANTAI 3		
	R. server	16,58	
	Toilet Wanita	20,78	
	Janitor Wanita	2,36	
	Pantry Wanita	2,69	
	Toilet Pria	20,78	
	Janitor pria	2,36	
	Pantry pria	2,69	
	R. Tangga darurat	23,87	
	R. lift	5,03	
	R.Perkuliahan besar	207,40	
	R. Mini teather	69,00	
	R. Virtual reality	131,56	
	R. Game development	68,60	
	R. Studio animasi	139,30	
	Koridor	137,76	

JUMLAH TOTTAL LUAS LANTAI 3 TECHNOPRENEUR	850,76
JUMLAH TOTTAL LUAS LANTAI GEDUNG TECHNOPRENEUR	3.752,06

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
	Gedung TRAIN		
1	Lantai 1		
	Center Lobby	249,60	
	R. Peralatan Ukur	19,20	
	R. Tools Crib	19,20	
	R.Workshop MB	402,90	
	R. Manufacturing Simulation	89,10	
	R. Joint Workshop	137,25	
	R. Workshop Mesin	623,62	
	R. Panel 1A	19,70	
	R. Panel 1B	19,70	
	Tangga Darurat Kiri	41,75	
	Tangga Darurat Kanan	41,75	
	Selasar Belakang	189,84	
	Selasar Depan	197,23	
	Selasar Kiri	106,25	
	Selasar Kanan	127,78	
JUMLAH TOTTAL LUAS LANTAI 1			2.284,87
2	Lantai 2		
	Center Lobby	400,00	
	Koridor A	204,60	
	Koridor B	204,60	
	R. Lab MB	204,06	
	Balkon 2A	40,10	
	R.Panel 2.1.A	15,40	
	R. Workspace 2.1.A	70,60	
	R.Lab Logistic	132,66	
	R. Lab Managent system	144,20	
	Koridor Toilet 2A	21,75	

	Toilet Difabel Pria 2A	6,69	
	Toilet Pria 2A	9,00	
	Toilet Difabel Wanita 2A	6,67	
	Toilet Wanita 2A	9,00	
	Pantry 2A	3,10	
	R. Kalibrasi Teknologi Material	145,02	
	R. Lab Kalibrasi Inspeksi	134,56	
	R. PBL Workspace 2.1.B	70,57	
	R. Laboratorium Mesin	204,06	
	R. Panel 2B	15,40	
	Balkon 2B	40,10	
	Koridor Toilet 2B	21,75	
	Toilet Difabel Pria 2B	6,69	
	Toilet Pria 2B	9,00	
	Toilet Difabel Wanita 2B	6,67	
	Toilet Wanita 2B	9,00	
	Pantry 2B	3,10	
	Tangga Darurat Kiri	41,75	
	Tangga Darurat Kanan	41,75	
	Tangga Kiri	51,21	
	Tangga Kanan	51,21	
JUMLAH TOTTAL LUAS LANTAI 2			2.324,27
3	Lantai 3		
	Center Lobby	400,00	
	Koridor A	204,60	
	Koridor B	204,60	
	R.Panel 3.1.A	15,40	
	R. Workspace 3.1.A	70,61	
	R. Workspace 3.2.A	353,20	
	R. Lab Kalibrasi Elektro	146,69	
	R. Lab system avionic	134,60	
	Koridor Toilet 3A	21,75	
	Toilet Difabel Pria 3A	6,69	
	Toilet Pria 3A	9,00	
	Toilet Difabel Wanita 3A	6,67	
	Toilet Wanita 3A	9,00	
	Pantry 3A	3,10	

	R. PLC Centre	145,02	
	R. Smartfactory	205,16	
	R. PBL Workspace 3.2.B	206,51	
	R. Dosen	123,99	
	R. Panel 3B	15,40	
	Koridor Toilet 3B	21,75	
	Toilet Difabel Pria 3B	6,69	
	Toilet Pria 3B	9,00	
	Toilet Difabel Wanita 3B	6,67	
	Toilet Wanita 3B	9,00	
	Pantry 3B	3,10	
	Tangga Darurat Kiri	41,75	
	Tangga Darurat Kanan	41,75	
	Tangga Kiri	51,21	
	Tangga Kanan	51,21	
JUMLAH TOTTAL LUAS LANTAI 3			2.524,12
4	Lantai 4		
	Center Loby	400,00	
	Koridor A	286,67	
	Koridor B	286,67	
	R.Panel 4.1.A	9,00	
	R. Workspace 4.3.A	221,75	
	R. Workspace 4.2.A	50,20	
	R. Lab Energi Pembangkit 1	141,03	
	R. Lab Energi Pembangkit 2	64,06	
	R. Lab Energi Terbarukan	147,90	
	Toilet Difabel Pria 4A	6,69	
	Toilet Pria 4A	9,00	
	Toilet Difabel Wanita 4A	6,67	
	Toilet Wanita 4A	9,00	
	Pantry 4A	3,10	
	R. LAB Scada	146,94	
	R. LAB Termo	63,97	
	R. Mekanikal Fluida	141,21	
	R. PBL Workspace 4.2.B	50,20	
	R.Panel 4B	10,00	
	R. PBL Workspace 4.3.B	221,75	

	Koridor Toilet 4B	21,75	
	Toilet Difabel Pria 4B	6,69	
	Toilet Pria 4B	9,00	
	Toilet Difabel Wanita 4B	6,67	
	Toilet Wanita 4B	9,00	
	Pantry 4B	3,10	
	Tangga Darurat Kiri	41,75	
	Tangga Darurat Kanan	41,75	
	Tangga Kiri	26,27	
	Tangga Kanan	26,27	
JUMLAH TOTTAL LUAS LANTAI 4			2.468,06
JUMLAH TOTTAL LUAS GEDUNG TRAIN			9.601,31

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
1	ASRAMA A		
	Loby Lt 1	50,73	
	Koridor Lt 1	42,78	
	Loby Lt 2	50,73	
	Koridor Lt 2	42,78	
	R. 1.1	19,80	
	R. 1.2	19,80	
	R. 1.3	19,80	
	R. 1.4	19,80	
	R. 1.5	19,80	
	R. 1.6	19,80	
	R. 1.7	19,80	
	R. 1.8	19,80	
	R. 2.1	19,80	
	R. 2.2	19,80	
	R. 2.3	19,80	
	R. 2.4	19,80	
	R. 2.5	19,80	
	R. 2.6	19,80	

	R. 2.7	19,80	
	R. 2.8	19,80	
	Balkon	8,10	
	Dapur Lt 1	4,30	
	Dapur Lt 2	4,30	
	Toilet Lt 1	133,28	
	Toilet Lt 2	133,28	
JUMLAH TOTAL LUAS LANTAI ASRAMA A			787,08
2	ASRAMA B		
	Loby Lt 1	50,73	
	Koridor Lt 1	42,78	
	Loby Lt 2	50,73	
	Koridor Lt 2	42,78	
	R. 1.1	19,80	
	R. 1.2	19,80	
	R. 1.3	19,80	
	R. 1.4	19,80	
	R. 1.5	19,80	
	R. 1.6	19,80	
	R. 1.7	19,80	
	R. 1.8	19,80	
	R. 2.1	19,80	
	R. 2.2	19,80	
	R. 2.3	19,80	
	R. 2.4	19,80	
	R. 2.5	19,80	
	R. 2.6	19,80	
	R. 2.7	19,80	
	R. 2.8	19,80	
	Balkon	8,10	
	Dapur Lt 1	4,30	
	Dapur Lt 2	4,30	
	Toilet Lt 1	133,28	
	Toilet Lt 2	133,28	
JUMLAH TOTAL LUAS LANTAI ASRAMA B			787,08

3	ASRAMA C		
	Loby Lt 1	50,73	
	Koridor Lt 1	42,78	
	Loby Lt 2	50,73	
	Koridor Lt 2	42,78	
	R. 1.1	19,80	
	R. 1.2	19,80	
	R. 1.3	19,80	
	R. 1.4	19,80	
	R. 1.5	19,80	
	R. 1.6	19,80	
	R. 1.7	19,80	
	R. 1.8	19,80	
	R. 2.1	19,80	
	R. 2.2	19,80	
	R. 2.3	19,80	
	R. 2.4	19,80	
	R. 2.5	19,80	
	R. 2.6	19,80	
	R. 2.7	19,80	
	R. 2.8	19,80	
	Balkon	8,10	
	Dapur Lt 1	4,30	
	Dapur Lt 2	4,30	
	Toilet Lt 1	133,28	
	Toilet Lt 2	133,28	
JUMLAH TOTAL LUAS LANTAI ASRAMA C			787,08
4	ASRAMA D		
	Loby Lt 2	50,73	
	Koridor Lt 2	42,78	
	R. 2.1	19,80	
	R. 2.2	19,80	
	R. 2.3	19,80	
	R. 2.4	19,80	
	R. 2.5	19,80	
	R. 2.6	19,80	
	R. 2.7	19,80	

	R. 2.8	19,80	
	Balkon	8,10	
	Dapur Lt 1	4,30	
	Dapur Lt 2	4,30	
	Toilet Lt 1	133,28	
	Toilet Lt 2	133,28	
JUMLAH TOTAL LUAS LANTAI ASRAMA D			535,17
5	ASRAMA A-B		
	R. 1.1	26,00	
	R. 1.2	26,00	
	Selasar	12,00	
	Teras	22,00	
	R. 2.1	26,00	
	R. 2.2	26,00	
	Balkon	22,00	
JUMLAH TOTAL LUAS LANTAI ASRAMA A-B			160,00
JUMLAH TOTAL LUAS LANTAI ASRAMA A-D			3.056,41

6	ASRAMA E		
	Selasar Lt 1 Dalam	51,00	
	Selasar Lt 2 Dalam	51,00	
	Loby Lt 1	24,23	
	Loby Lt 2	24,23	
	R. 1.1	24,23	
	R. 1.2	24,23	
	R. 1.3	24,23	
	R. 1.4	24,23	
	R. 1.5	24,23	
	R. 1.6	24,23	
	R. 1.7	24,23	
	R. 2.1	27,93	
	R. 2.2	27,93	
	R. 2.3	27,93	
	R. 2.4	27,93	
	R. 2.5	27,93	
	R. 2.6	27,93	
	R. 2.7	27,93	

	Balkon	14,40	
	Pantry Lt 1 Kiri	17,70	
	Pantry Lt 1 Kanan	17,70	
	Pantry Lt 2 Kiri	7,20	
	Pantry Lt 2 Kanan	7,20	
	Selasar Luar	89,88	
JUMLAH TOTAL LUAS LANTAI ASRAMA E			669,66

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
1	GUDANG		
	Area Keliling	108,00	
JUMLAH TOTTAL LUAS LANTAI 1			108,00

No	Nama Ruangan	Luas M2	TOTAL LUAS M2
1	Rumah Kompos		
	Area Keliling	108,00	
JUMLAH TOTTAL LUAS LANTAI 1			108,00

No	Ruang	Luas M2	TOTAL LUAS M2
	Gedung Batamindo		
	Lantai 1		
1	R. Kantor/R. Staf	63	
2	R. Dapur	21	
3	R. Lab BQ 1,1	63	

4	R. Kelas BQ 1,2	63	
5	R. Kelas BQ 1,3	63	
6	WC pria	10,5	
7	WC Wanita	10,5	
8	WC Staf/Dosen	10,5	
9	R. Pantry	21	
10	Gudang 1	21	
11	Gudang 2	31,5	
12	Area Tangga	21	
13	Balkon	58,5	
	Total		457,5 m2
	Lantai 2		
1	R. Kelas BQ 2,1	63	
2	R. Lab BQ 2,2	63	
3	R. Kelas BQ 2,3	63	
4	R. Mushola	63	
5	R. Kitchen & WC	31,5	
6	R. Kitchen & WC	31,5	
7	R. Kitchen & WC	31,5	
8	Tempat Whudu	31,5	
5	Area Tangga	21	
13	Balkon	58,5	
	Total		457,5 m2
	Lantai 3		
1	R. Kelas BQ 3,1	63	
2	R. Kelas BQ 3,2	63	
3	R. Kelas BQ 3,3	63	
4	R. Kelas BQ 3,4	63	
5	Area Tangga	21	
5	R. Kitchen & WC	31,5	
6	R. Kitchen & WC	31,5	
7	R. Kitchen & WC	31,5	
8	R. Kitchen & WC	31,5	
13	Balkon	58,5	
	Total		457,5 m2

Description:

Politeknik Negeri Batam has a total constructed building area of 51,601 m², comprising academic, administrative, research, innovation, student service, residential, and supporting facilities distributed across the Main Campus and Batamindo Campus. The total building area is calculated based on detailed floor-by-floor measurements and building inventory records maintained by the institution.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

https://www.youtube.com/watch?v=LaXoDxyhc_8
https://www.youtube.com/watch?v=DGvCq_tZJ3k
<https://www.polibatam.ac.id/kehidupan-kampus/>
<https://www.youtube.com/watch?v=eMB1mhoGjos>
<https://www.youtube.com/watch?v=8-rNu4ef3B0>
<https://www.youtube.com/watch?v=vKtQsIPMmJs>





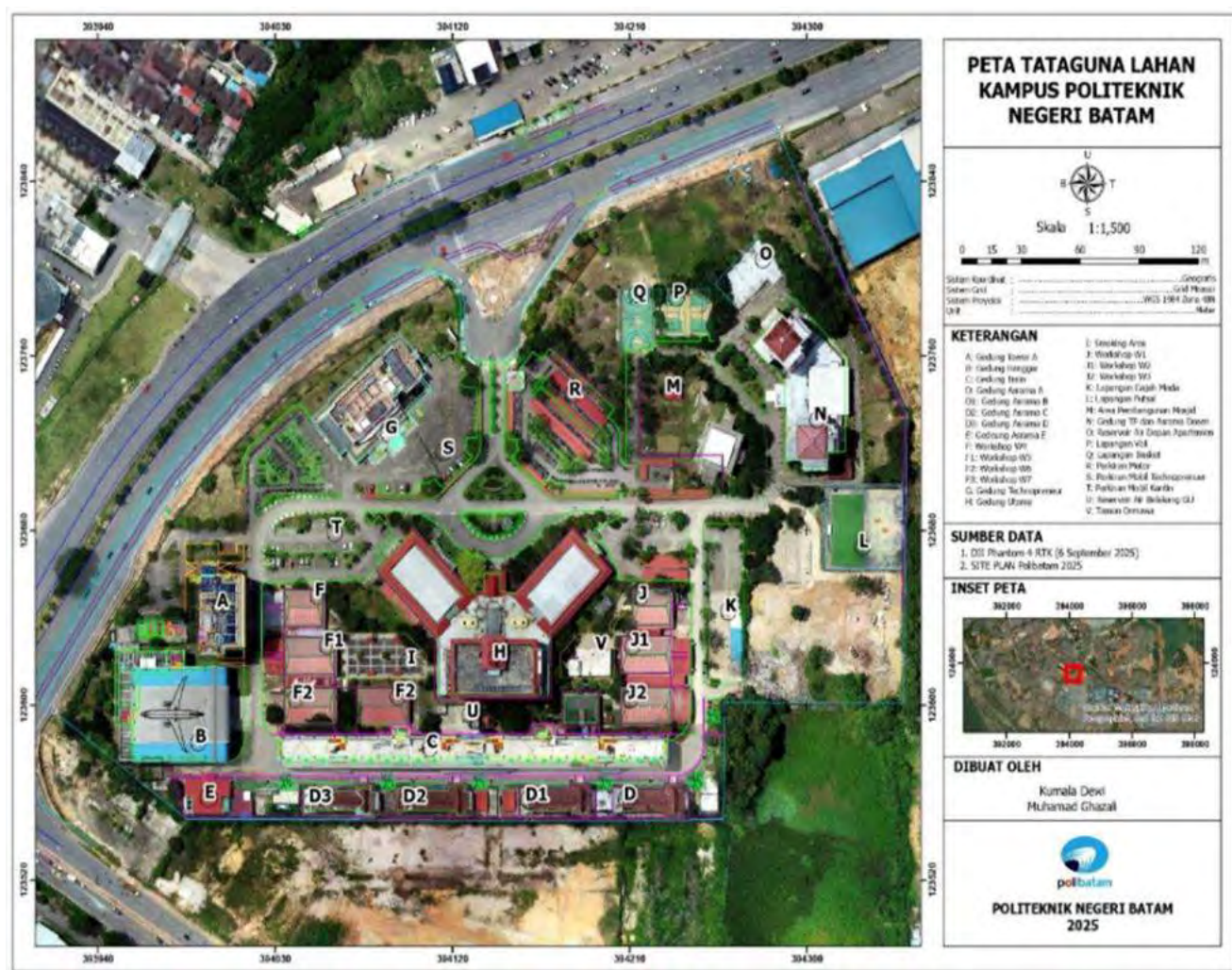


Template for Evidence(s) UI GreenMetric Questionnaire

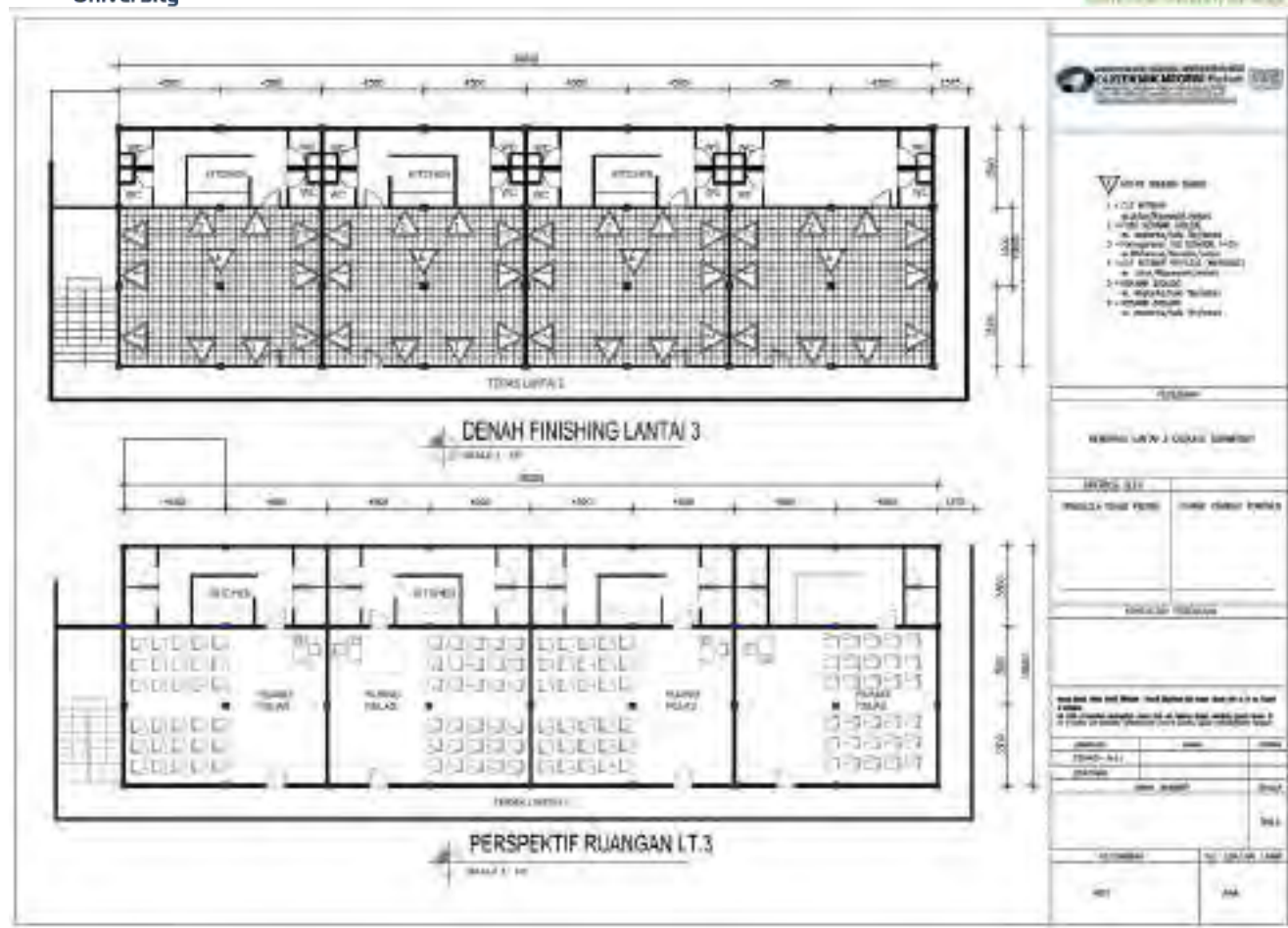
University : Politeknik Negeri Batam
Country : Indonesia
Web Address : www.polibatam.ac.id

[1] Setting & Infrastructure

[1.8] The ratio of open space area to total area (SI.1)



Campus 1



Campus 2

Description:

Politeknik Negeri Batam encompasses a total campus area of 95.505,7 m², with a building covering of 18.922 m². The remaining 80.19% (80,187 m²) comprises open space, encompassing green areas, pedestrian pathways, and outdoor educational and recreational zones.

The campus design exemplifies a harmonious blend of infrastructure and natural surroundings, promoting sustainability and comfort for educational pursuits. Maps are supplied to illustrate the location, area distribution, and spatial configuration of open spaces and facilities pertinent to this indication.

NO	Campus	Area (m ²)	Building area (m ²)
1	Campus Batam Centre	92.367	17.788
2	Campus Batamindo	3.138,7	1.134

- 1.5 Total area of Politeknik Negeri Batam Campus : 95.505,7
 - 1.6 Total building footprint area (building footprint coefficient) : 18.922
 - 1.8 Comparison of open space to total area : 80.187 = 80.19%
- Formula (((1.5-1.6)/1.5) x 100%)

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

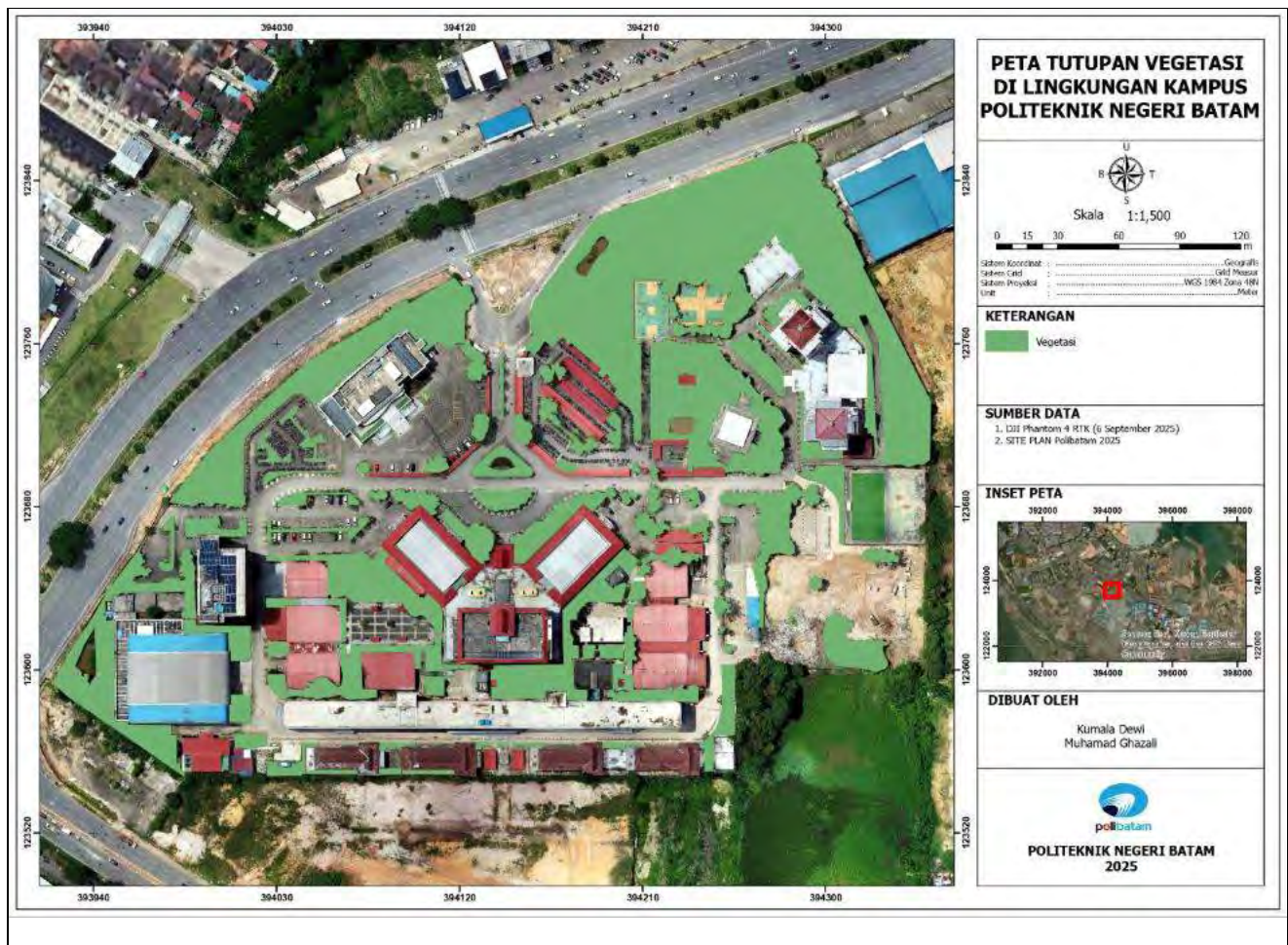
[1] Setting and Infrastructure (SI)

[1.9] Total area on campus covered in forest vegetation used for research, teaching, and/or community engagement (meter²) (SI.2)





Planted Vegetation Area (Politeknik Negeri Batam, Indonesia)



Total Forest Vegetation Area (Politeknik Negeri Batam, Indonesia)



Campus 1

No	Nama Bangunan	Luas (m2)
1	Lapangan Futsal	1.455,78
2	Gedung Teaching Factory	2.235,84
3	Gedung Apartemen Dosen	
4	Bangunan Reservoir Air depan Apartemen	495,09
5	Area Pembangunan Masjid	3.011,60
6	Lapangan Voli	555,09
7	Lapangan Basket	449,34
8	Lapangan Gajah Mada	1.284,08
9	Jalan menuju Lapangan Basket	468,96
10	Parkiran Motor	3.507,39
11	Gedung Technopreneur	1.957,20
12	Parkiran Mobil Area Techno	2.584,00
13	Parkiran Mobil Area Kantin	1.723,48
14	Gedung Mohamad Nasir (Tower A)	830,54
15	Hanggar	2.579,30
16	Asrama E	404,00

17	Asrama A, B, C dan D	1.530,83
18	Gedung Utama (GU)	4.573,83
19	Taman Ormawa	517,36
20	Smoking Area	829,30
21	Workshop W1, W2 dan W3	1.051,43
22	Workshop W4, W5, W6, dan W7	1.434,19
23	Bangunan Reservoir Air belakang GU	264,55
24	Gedung TRAIN	2.268,66
25	Area Jalan Lingkungan Kampus	9.340,00
Total Luas Bangunan		45.351,84
Luas Keseluruhan Lahan Kampus Polibatam		75.471,84
Luas Lahan Hijau Kampus Polibatam		30.120,00
Persentase Lahan Hijau		40%

Campus 2

No	Nama Bangunan	Luas (m2)
1	Bangunan 1	609
2	Bangunan 2	881
3	Bangunan 3	371
4	Bangunan 4	57
5	Bangunan 5	105
6	Bangunan 6	51
Total Luas Bangunan		2074
Luas Keseluruhan Lahan Kampus Polibatam		7525
Luas Lahan Hijau Kampus Polibatam		5451
Persentase Lahan Hijau		72%

Description:

Politeknik Negeri Batam maintains significant green open spaces across its campuses to support environmental sustainability, biodiversity conservation, education, research, and community engagement activities. The vegetated areas consist of tree-covered zones, landscaped green corridors, gardens, buffer vegetation, and planted areas surrounding academic buildings, student facilities, dormitories, sports facilities, and campus infrastructure.

Based on campus land-use mapping and area measurements, the Main Campus (Campus 1) covers a total land area of 75,471.84 m², of which 30,120.00 m² is designated as green open space and vegetated land, representing approximately 40% of the total campus area.

Meanwhile, Campus 2 occupies a total area of 7,525 m², with 5,451 m² covered by green open spaces and vegetation, accounting for approximately 72% of the campus area.



The total area of the Batam State Polytechnic campus is 82,996.84 m², of which 35,571 m² (approximately 42.85%) is covered by vegetation as open space. These vegetated areas serve various sustainability functions. Besides contributing to carbon sequestration, microclimate regulation, stormwater infiltration, and biodiversity preservation, the green spaces are utilized as living laboratories for environmental education, sustainability awareness programs, student projects, campus greening initiatives, and community engagement activities. The areas also provide opportunities for field observations, environmental monitoring, ecological studies, and sustainability-related learning experiences for students and staff.

The distribution of vegetation can be observed around major campus facilities including the Main Building, Teaching Factory, Technopreneur Building, Tower A, TRAIN Building, dormitory complexes, workshop areas, sports facilities, and internal campus road corridors. These green zones create an environmentally friendly learning environment while supporting the university's commitment to sustainable campus development.

The accompanying maps and area calculations provide visual verification of vegetated land coverage and demonstrate the integration of green infrastructure into campus planning and operations.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

https://www.tiktok.com/@hme_polibatam/video/7375401133340134661

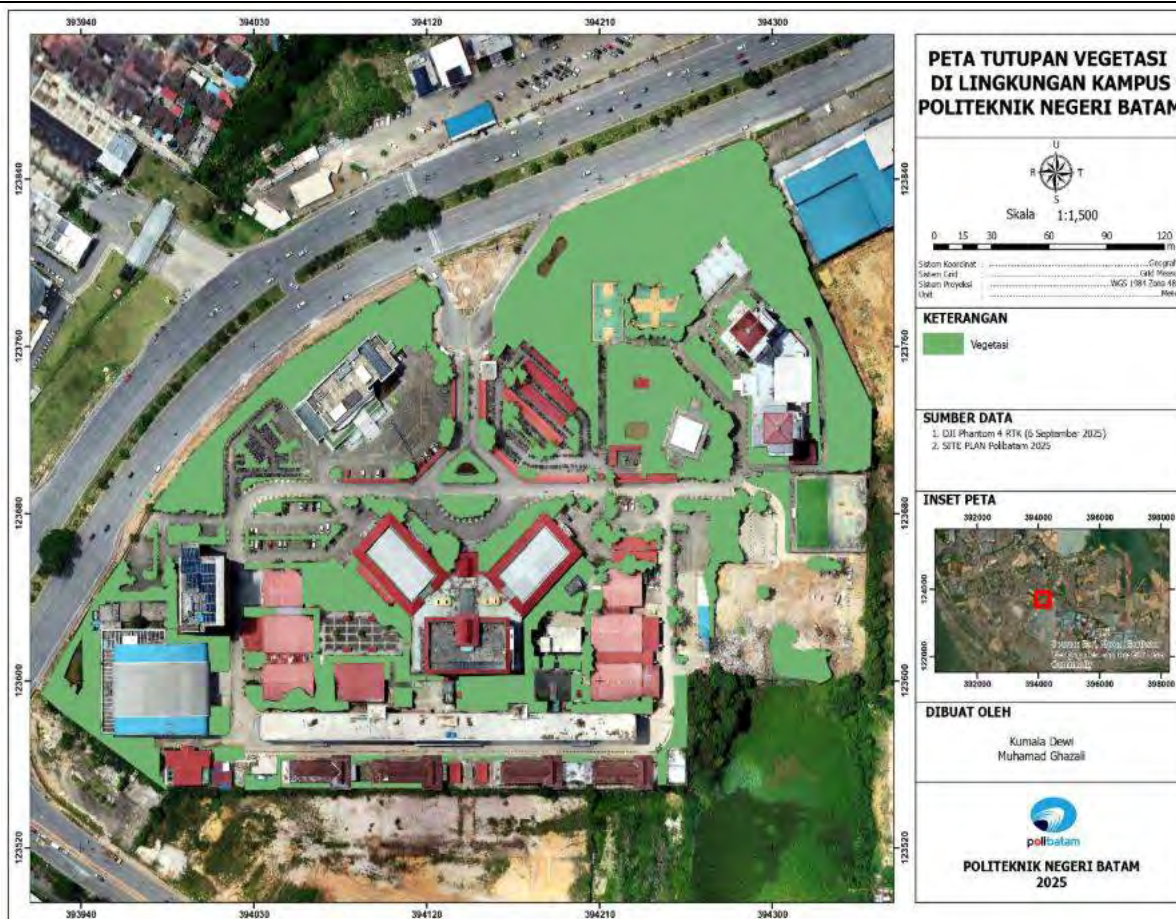
Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

[1.10] Total area on campus covered in planted vegetation (meter²) (SI.3)

Planted Vegetation Area (Politeknik Negeri Batam, Indonesia)





No	Nama Bangunan	Luas (m2)
1	Lapangan Futsal	1.455,78
2	Gedung Teaching Factory	2.235,84
3	Gedung Apartemen Dosen	
4	Bangunan Reservoir Air depan Apartemen	495,09
5	Area Pembangunan Masjid	3.011,60
6	Lapangan Voli	555,09
7	Lapangan Basket	449,34
8	Lapangan Gajah Mada	1.284,08
9	Jalan menuju Lapangan Basket	468,96
10	Parkiran Motor	3.507,39
11	Gedung Technopreneur	1.957,20
12	Parkiran Mobil Area Techno	2.584,00
13	Parkiran Mobil Area Kantin	1.723,48
14	Gedung Mohamad Nasir (Tower A)	830,54
15	Hanggar	2.579,30
16	Asrama E	404,00
17	Asrama A, B, C dan D	1.530,83
18	Gedung Utama (GU)	4.573,83

19	Taman Ormawa	517,36
20	Smoking Area	829,30
21	Workshop W1, W2 dan W3	1.051,43
22	Workshop W4, W5, W6, dan W7	1.434,19
23	Bangunan Reservoir Air belakang GU	264,55
24	Gedung TRAIN	2.268,66
25	Area Jalan Lingkungan Kampus	9.340,00
Total Luas Bangunan		45.351,84
Luas Keseluruhan Lahan Kampus Polibatam		75.471,84
Luas Lahan Hijau Kampus Polibatam		30.120,00
Persentase Lahan Hijau		40%

Campus 2

No	Nama Bangunan	Luas (m2)
1	Bangunan 1	609
2	Bangunan 2	881
3	Bangunan 3	371
4	Bangunan 4	57
5	Bangunan 5	105
6	Bangunan 6	51
Total Luas Bangunan		2074
Luas Keseluruhan Lahan Kampus Polibatam		7525
Luas Lahan Hijau Kampus Polibatam		5451
Persentase Lahan Hijau		72%

Description:

Total area: $75.471,84 + 7.525 = 82.996,84$

Total area covered by plants = $30.120 + 5.451 = 35.571$

Percentage of total area covered by plants = 42,85%

The overall area of Politeknik Negeri Batam's campus is **82.996,84 m²**, and **35.571 m²** (around 42,85%) of that is covered in plants. The campus has a lot of green spaces that are spread out in a way that makes it easy to get to the academic and support buildings. This helps the environment and makes people feel comfortable.

The areas where plants were put in are:

1. Landscaped gardens and lawns around important structures like the Main Building, the Technopreneur Center, and Tower A. These areas have grass lawns, decorative plants, and shaded tree areas.
2. Tree-lined walkways connect different academic zones, dorms, and recreational spaces. They help keep the heat down and provide shade for walking and learning outside.
3. Shrubs, grass, and medium-sized trees surround the futsal, volleyball, and basketball courts, which are part of the sports and recreation areas.

4. Along interior roads and parking lots, there are green belts and buffer zones that act as natural barriers, cut down on noise and dust, and make the microclimate better overall.
5. There are dedicated garden areas, like the Taman Ormawa and manicured grounds near the Teaching Factory and TRAIN Building, where students and staff can rest and meet up.
6. There are lawns, flowering plants, and shade trees around dorms and staff quarters that make the living space better.

These green spaces not only make the campus seem better, but they also help the environment by absorbing carbon, lowering surface temperature, and providing modest habitats for local animals. Polibatam is dedicated to keeping the campus ecology green and strong, and the addition of plants in different parts of the campus shows this.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

https://www.youtube.com/watch?v=DGvCq_tZJ3k

<https://www.youtube.com/watch?v=3Bj0zfm608U&t=12s>





Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

[1.15] Campus facilities for disable, special needs and or maternity care (SI.5)

	
1. Disabled parking	2. Accessible toilet
	
3. Special elevator equipped with Braille	4. Guiding Block



5. Accessible ramp with handrails



6. Equipped with screen readers and visual alerts



7. Lactation Room



8. Priority queue



8. Daycare

Fasilitas disabilitas
https://www.instagram.com/reel/DXL62B1D5kN/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFiZA==



Main Building Disability Facilities Distribution Map (disabled toilets)



Map of the Distribution of Disability Facilities in Tower A Building



Map of Technopreneur Disability Facilities Distribution



RTF Building Disability Facilities Distribution Map

Description:



Politeknik Negeri Batam is committed to creating an inclusive, accessible, and equitable campus environment for all members of the academic community, including persons with disabilities, individuals with special needs, pregnant women, nursing mothers, and elderly visitors. In line with the principles of universal design and sustainable campus development, the university continuously improves physical infrastructure and support services to ensure equal access to education, campus facilities, and public services.

To support accessibility and inclusivity, disability-friendly facilities have been integrated into various academic and administrative buildings across the campus. These facilities are strategically distributed to ensure that students, staff, and visitors can move independently, safely, and comfortably throughout the campus area.

The campus facilities include:

1. **Disabled Parking Spaces**
Dedicated parking areas are provided near major building entrances to facilitate convenient access for wheelchair users and individuals with limited mobility. These parking spaces are clearly marked and designed according to accessibility standards.
2. **Accessible Toilets**
Accessible toilets are available in several campus buildings and are equipped with handrails, wider door access, sufficient maneuvering space for wheelchairs, and emergency support features to ensure safety and comfort for users with disabilities.
3. **Accessible Elevators with Braille Features**
Multi-story buildings are equipped with elevators that include Braille buttons, audio announcements, and visual indicators to support users with visual impairments and mobility limitations.
4. **Guiding Blocks for the Visually Impaired**
Tactile paving (guiding blocks) is installed along pedestrian pathways and building entrances to assist blind and visually impaired individuals in navigating the campus independently and safely.
5. **Accessible Ramps with Handrails**
Ramps with non-slip surfaces and sturdy handrails are provided at building entrances and areas with level differences. These facilities ensure seamless mobility for wheelchair users and individuals using mobility aids.
6. **Accessible Information Technology Facilities**
Selected computers in libraries and service centers are equipped with accessibility features such as screen readers, magnification tools, audio support systems, and visual accessibility software to facilitate learning and access to information.
7. **Lactation Rooms**
The university provides dedicated lactation rooms for breastfeeding mothers. These rooms offer a private, clean, and comfortable environment equipped with seating, electrical outlets, and storage facilities to support maternal well-being.
8. **Priority Service Areas**
Priority queues and designated service areas are available at various campus service points for persons with disabilities, pregnant women, and elderly visitors. These services help ensure efficient, respectful, and inclusive access to administrative and student support services.
9. **Daycare Facilities**



To support working parents and student parents, the university provides daycare facilities that contribute to a family-friendly campus environment. These facilities help create a supportive ecosystem that promotes equal participation in academic and professional activities.

10. Disability Support and Inclusion Initiatives

Beyond physical infrastructure, Politeknik Negeri Batam has strengthened its commitment to inclusivity through the establishment of disability support services and awareness programs. The university actively promotes equal educational opportunities and seeks to eliminate barriers that may hinder participation in academic and campus life.

Through continuous improvement of accessibility infrastructure and support services, Politeknik Negeri Batam strives to become a fully inclusive campus that empowers every individual to participate actively in academic, social, and professional activities without discrimination.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

- [\[1.15\] Campus facilities for disabled, special needs and or maternity care \(SI.5\).xlsx](#)
https://www.instagram.com/reel/DXL62B1D5kN/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFiZA==
- 1. <https://www.polibatam.ac.id/polibatam-hadirkan-kampus-yang-inklusif-dan-ramah-untuk-semua/>
- 2. <https://www.polibatam.ac.id/polibatam-resmikan-unit-layanan-disabilitas-sebagai-langkah-strategis-menuju-kampus-inklusif-dan-berdaya-maju-untuk-semua/>
- 3. <https://www.instagram.com/reels/DXL62B1D5kN/>
- 4. https://www.youtube.com/watch?v=kytcyy_gtWg

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

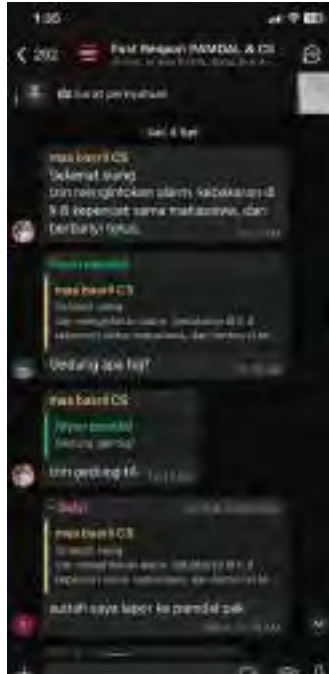
[1.16] Security and safety facilities (SI.6)

	
1. CCTV Point More Pictures of CCTV	2. Fire Hydrant More Images (Politeknik Negeri Batam, Indonesia)
	
3. Evacuation Route More Images	4. Assembly Point More Images



5. Elevator Evacuation Training [Pelatihan Evakuasi Lift](#)

6. A first aid kit is available on each floor, and further data can be accessed via the link [Distribution of First Aid Stations](#) (Politeknik Negeri Batam, Indonesia)



7. response time for accidents, crimes, fires and natural disasters is less than 5 minutes (Politeknik Negeri Batam, Indonesia)

8. Security is maintained 24 hours a day (Politeknik Negeri Batam, Indonesia)

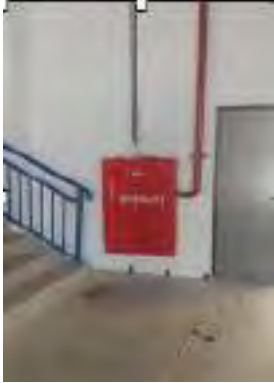
No	Keterangan	Lokasi	Foto
1	Jalur Evakuasi 1	di halaman Gedung Utama	
2	Jalur Evakuasi 2	di depan gedung Tower A	
3	Jalur Evakuasi 2	di samping gedung tower A	

4	Jalur Evakuasi 2	di depan gedung hanggar	
5	Titik Kumpul 1	Halaman Gedung Technopreuner	
6	Titik Kumpul 2	Lapangan Basket	
7	Titik Kumpul 3	Lapangan Gajah Mada	

No	Lokasi	Keterangan	Foto
1	Gedung Utama	di halaman bagian kanan	
2	Gedung Utama	di halaman bagian kanan	
3	Gedung Utama	di halaman di bagian depan	
4	Gedung Utama	di halaman sebelah kiri	

No	Lokasi	Keterangan	Foto
5	Gedung Utama	Lantai 1	
6	Gedung Utama	Lantai 2	
7	Gedung Utama	Lantai 3	
8	Gedung Utama	Lantai 4	

No	Lokasi	Keterangan	Foto
9	Gedung Utama	Lantai 5	
10	Gedung Utama	Lantai 6	
11	Gedung Utama	Lantai 7	
12	Gedung Utama	Lantai 8	

No	Lokasi	Keterangan	Foto
13	Gedung Train	Lantai 1	 
10	Gedung Train	Lantai 2	 
11	Gedung Train	Lantai 3	 
12	Gedung Train	Lantai 4	 

No	Lokasi	Keterangan	Foto
13	Gedung Tower A	Lantai 1	
14	Gedung Tower A	Lantai 2	
15	Gedung Tower A	Lantai 3	
16	Gedung Tower A	Lantai 4	

No	Lokasi	Keterangan	Foto
17	Gedung Tower A	Lantai 5	
18	Gedung Tower A	Lantai 6	
19	Gedung Tower A	Lantai 7	
20	Gedung Tower A	Lantai 8	

No	Lokasi	Keterangan	Foto
21	Gedung Tower A	Lantai 9	
22	Gedung Tower A	Lantai 10	
23	Gedung Tower A	Lantai 11	
24	Gedung Tower A	Lantai 12	











Description:

Politeknik Negeri Batam is committed to providing a safe, secure, and resilient campus environment for students, faculty members, staff, and visitors. As part of its sustainable campus management strategy, the university has implemented comprehensive security and safety systems designed to prevent accidents, minimize risks, enhance emergency preparedness, and ensure rapid response to incidents.

Security and safety facilities are distributed throughout the campus and integrated into daily operations to support a secure learning and working environment.

1. CCTV Surveillance System

Politeknik Negeri Batam operates an extensive Closed-Circuit Television (CCTV) surveillance network installed across academic buildings, laboratories, workshops, administrative offices, public spaces, canteens, parking areas, smoking areas, and other strategic campus locations. These CCTV systems are monitored continuously to support crime prevention, traffic monitoring, asset protection, and incident investigation.

The university continuously expands its surveillance coverage, including the addition of new CCTV points in high-activity areas to further strengthen campus security.



2. Fire Hydrant System

Fire hydrants are strategically installed throughout the campus to provide immediate access to water sources during fire emergencies. The hydrant network supports rapid firefighting operations by campus security personnel and external emergency services, reducing response time and minimizing potential damage caused by fire incidents.

These facilities are regularly inspected and maintained to ensure operational readiness at all times.

3. Emergency Evacuation Routes

Clearly marked evacuation routes are available in all major buildings and public areas across the campus. Directional signage guides building occupants toward safe exits during emergencies such as fires, earthquakes, or other disasters.

The evacuation routes are designed to facilitate orderly movement toward designated assembly points while minimizing congestion and ensuring efficient evacuation procedures.

4. Designated Assembly Points

Several assembly points are established in open and easily accessible locations across the campus, including areas near academic buildings and public spaces. These gathering points serve as safe locations for students, staff, and visitors after evacuation and facilitate emergency response coordination, attendance verification, and safety assessments.

5. Elevator Emergency Evacuation Training

Politeknik Negeri Batam regularly conducts emergency preparedness training, including elevator evacuation simulations. These activities educate building occupants on proper procedures during elevator malfunctions, power outages, or other emergency situations, helping to improve awareness and readiness among the campus community.

6. First Aid Facilities

First aid kits are available on every floor of campus buildings, ensuring immediate access to essential medical supplies in the event of minor injuries or emergencies. The distribution of first aid stations enables rapid initial treatment while waiting for professional medical assistance if required.

These facilities are regularly monitored and replenished to maintain preparedness.

7. Rapid Emergency Response System

The university has established an emergency response standard with a target response time of less than five minutes for accidents, security incidents, fires, and natural disasters. This rapid response capability is achieved through effective coordination among campus security personnel, health services, emergency response teams, and relevant stakeholders.

The system helps minimize risks and ensures prompt intervention during emergency situations.



8. Twenty-Four-Hour Security Services

Campus security officers operate 24 hours a day, seven days a week, to maintain a safe and orderly environment. Security personnel conduct routine patrols, monitor campus facilities, control access to strategic areas, and respond to potential security disturbances.

Continuous security presence supports the protection of people, facilities, and university assets while creating a conducive atmosphere for academic activities.

9. Fire Extinguisher Inspection and Maintenance

Portable fire extinguishers (APAR) are installed throughout campus buildings and undergo annual inspection, maintenance, and replacement when necessary. Regular maintenance ensures that fire extinguishers remain fully functional and ready for immediate use during emergency situations.

This preventive approach reflects the university's commitment to maintaining high standards of fire safety management.

Through continuous investment in safety infrastructure, emergency preparedness, and security management systems, Politeknik Negeri Batam demonstrates its commitment to creating a secure, resilient, and sustainable campus for all members of the academic community.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

[Security dan Safety Facilities](#)

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

[1.17] Health infrastructure facilities for students, academics and administrative staffs' wellbeing (SI.7)

	
UKS and Quiet Room of Polibatam (CV Perawat)	A first aid kit is available on each floor, Distribution data of First Aid Kits (Politeknik Negeri Batam, Indonesia)
	
Counseling Room, Counseling Room	Task Force for the Prevention and Handling of Sexual Violence Counseling Room

	CURRICULUM VITAE I. Data Pribadi Nama Lengkap : Erna Susianti, AMK Tempat, Tanggal Lahir : Topang, 24 Mei 1982 Alamat : Perum Mediterania Blok JJ 4 No 11 Kota Batam Nomor Telepon : 0852 6443 7585 Email : ernasusianti312@gmail.com Jenis Kelamin : Perempuan Kewarganegaraan : Indonesia Agama : Islam
Sertifikasi K3L, Security and Safety	Nurse, Clinic's Personel
	
Gym facilities	Gym facilities

Description:

Politeknik Negeri Batam prioritizes the health, safety, and well-being of its students, academic staff, administrative personnel, and visitors by providing comprehensive health infrastructure and support services throughout the campus. These facilities are designed to promote physical health, mental well-being, occupational safety, and a supportive educational environment that enhances the quality of campus life.

Politeknik Negeri Batam continuously strengthens its health-related infrastructure as part of its commitment to creating a sustainable, healthy, and inclusive campus community.

1. Campus Health Unit (UKS) and Quiet Room

Politeknik Negeri Batam provides a Campus Health Unit (UKS) equipped to deliver basic healthcare services, first aid treatment, health monitoring, and emergency assistance for students and staff. The facility serves as the primary point of contact for health-related incidents occurring on campus.

In addition, a Quiet Room is available for individuals who require temporary rest due to illness, fatigue, stress, or other health conditions. This facility supports physical recovery and promotes overall well-being within the academic environment.

2. First Aid Facilities

First aid kits are strategically placed on every floor of campus buildings to ensure immediate access to essential medical supplies in emergency situations. The availability of first aid stations enables prompt treatment for minor injuries and supports emergency preparedness across the campus.

Regular inspections and replenishment of supplies are conducted to maintain readiness and effectiveness.

3. Counseling Services

To support mental health and emotional well-being, the university provides dedicated counseling rooms where students and staff can access professional guidance and psychological support. Counseling services assist individuals in addressing academic pressures, personal challenges, emotional concerns, stress management, and other psychosocial issues.

These services contribute to creating a supportive and healthy campus environment that encourages personal growth and academic success.

4. Sexual Violence Prevention and Response Task Force (SATGAS PPKS)

Politeknik Negeri Batam has established a Task Force for the Prevention and Handling of Sexual Violence (SATGAS PPKS) as part of its commitment to creating a safe, respectful, and inclusive campus environment. The task force provides confidential consultation, reporting mechanisms, counseling support, victim assistance, awareness programs, and preventive education related to sexual violence and harassment. Dedicated counseling facilities are available to support individuals affected by such incidents while ensuring privacy and protection.

5. Occupational Health, Safety, and Environment (OHSE/K3L) Implementation

The university actively implements Occupational Health, Safety, and Environment (K3L) standards to protect the well-being of all campus users. Through K3L certification, training programs, safety inspections, risk assessments, and awareness campaigns, Politeknik Negeri Batam promotes a culture of safety and health in academic, administrative, laboratory, and workshop activities.

These initiatives help prevent workplace accidents, reduce health risks, and improve overall campus resilience.

6. Professional Healthcare Personnel

Qualified nursing personnel are available to provide healthcare support, first aid assistance, health consultations, and emergency response services. Healthcare staff play a vital role in managing health incidents, conducting preventive health education, and supporting the physical well-being of the campus community.

The presence of trained medical personnel enhances the university's ability to respond effectively to health-related emergencies and routine healthcare needs.

7. Fitness Center (Gym Facility)

Politeknik Negeri Batam provides a fitness center (gym) equipped with various exercise machines and fitness equipment to support the physical health and well-being of students, academic staff, and administrative personnel. The facility includes cardiovascular exercise equipment, strength-training machines, and other fitness resources that encourage regular physical activity and healthy lifestyles.

The gym serves as an important component of the university's health promotion initiatives by providing opportunities for exercise, stress reduction, physical fitness improvement, and overall wellness. Through access to fitness facilities, members of the campus community are encouraged to maintain healthy habits that contribute to productivity, mental well-being, and quality of life.

The availability of a gym facility reflects Politeknik Negeri Batam's commitment to creating a healthy campus environment that supports both physical and mental health as part of its sustainable development efforts.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://www.tiktok.com/@polibatamtv/video/758695196272225428>



<https://www.instagram.com/reels/DSmOSsUEhwz/>

<https://www.polibatam.ac.id/kehidupan-kampus/>



Template for Evidence(s) UI GreenMetric Questionnaire

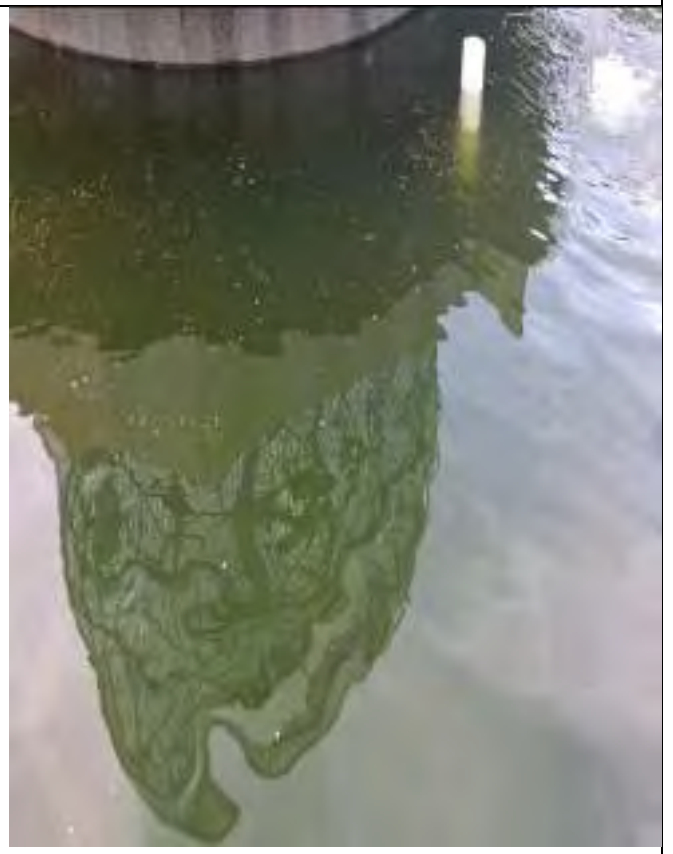
University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

[1.18] Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities (SI.8)

Kolam





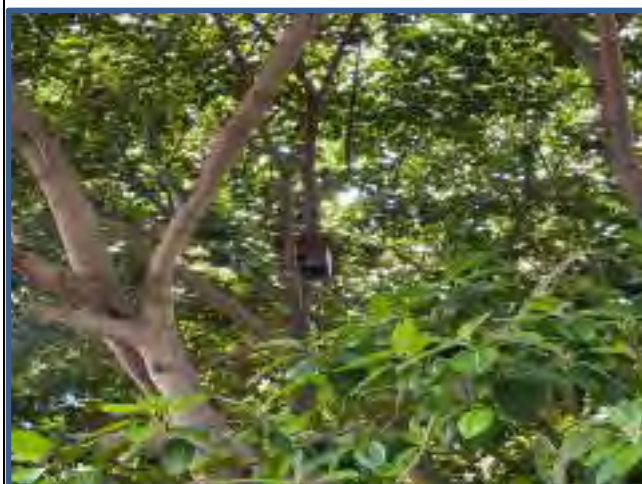


https://www.instagram.com/p/DYyXVeTnXPX/?igsh=aGN3Y3J6OG1tZjkw&img_index=1

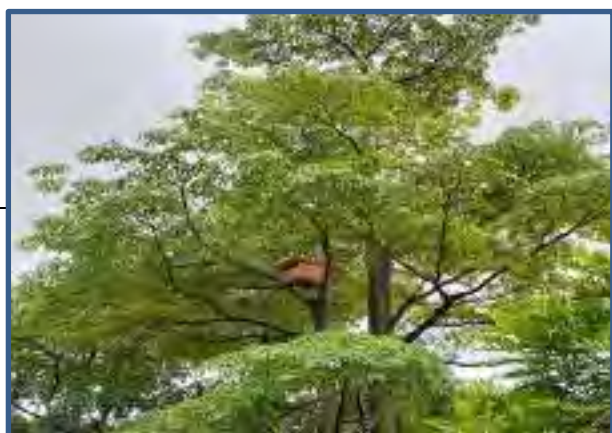
Rumah Burung



Burung



Gedung Utama



Di samping Gedung PP	Di samping Gedung Monas
Kucing	
	
	
Biopori	



Kompos Daun



Kabin Bambu



Tanaman



Penanaman Kates



Penanaman Cabai



Lengkeng



Sawo



Nangka



Serai



kangkung



terong

Description:

Politeknik Negeri Batam actively promotes biodiversity conservation and environmental sustainability through various conservation initiatives involving plants, animals, wildlife habitats, and ecological infrastructure across the campus. These conservation efforts aim to preserve local biodiversity, enhance ecosystem services, support environmental education, and create a greener and more sustainable campus environment.

The university integrates conservation areas into campus planning and encourages the participation of students, faculty members, and staff in maintaining ecological balance and environmental stewardship.

1. Campus Pond Ecosystem

Politeknik Negeri Batam maintains a campus pond that functions as a micro-ecosystem supporting aquatic biodiversity. The pond serves as a habitat for fish and other aquatic organisms while contributing to environmental education, water conservation, and landscape enhancement.

The presence of the pond improves ecological diversity on campus and creates a natural environment that supports local wildlife.

2. Bird Conservation Facilities

The university provides bird houses and designated green areas that serve as habitats and resting places for various bird species. These facilities encourage bird conservation by providing safe environments for nesting, feeding, and shelter.

The presence of birds on campus contributes to ecosystem balance and serves as an indicator of environmental quality.

3. Animal Welfare and Habitat Support

Politeknik Negeri Batam supports coexistence with urban wildlife and animals found within the campus environment, including community cats and local fauna. The university promotes humane treatment of animals and maintains green spaces that provide natural habitats and ecological connectivity.

4. Biopore Infiltration Systems

Biopore infiltration holes are implemented across campus as part of environmental conservation and sustainable water management efforts. These facilities improve rainwater absorption, reduce surface runoff, enhance groundwater recharge, and support soil biodiversity.

Biopores also contribute to organic waste decomposition and improve soil fertility in surrounding green areas.

5. Leaf Composting Program

The university utilizes fallen leaves and organic landscaping waste to produce compost for campus gardens and green spaces. This initiative supports circular waste management practices while reducing the volume of organic waste sent to landfills.

The compost generated is used to improve soil quality and support plant growth within campus conservation areas.

6. Bamboo Eco-Cabin

Politeknik Negeri Batam has developed a bamboo cabin area that demonstrates the use of sustainable and environmentally friendly natural materials. In addition to functioning as a green learning space, the bamboo area contributes to biodiversity conservation by maintaining vegetation and supporting ecological habitats.

7. Plant Conservation and Green Spaces

Various ornamental, shade, and native plant species are maintained throughout the campus to preserve plant diversity and improve environmental quality. These green spaces provide ecosystem services such as carbon sequestration, temperature regulation, air purification, and habitat provision for wildlife.

The university continuously expands and maintains vegetation coverage as part of its commitment to sustainable campus development.

8. Food and Agricultural Genetic Resource Conservation

Politeknik Negeri Batam cultivates a variety of food-producing and medicinal plants that contribute to the conservation of agricultural genetic resources. These include:

- a. Papaya (*Carica papaya*)
- b. Chili Pepper (*Capsicum* spp.)
- c. Longan (*Dimocarpus longan*)



- d. Sapodilla (*Manilkara zapota*)
- e. Jackfruit (*Artocarpus heterophyllus*)
- f. Lemongrass (*Cymbopogon citratus*)
- g. Water Spinach (*Ipomoea aquatica*)
- h. Eggplant (*Solanum melongena*)
- i. Kangkung

These plants are maintained within campus green areas and serve educational, conservation, and sustainability purposes. The cultivation of diverse plant species helps preserve genetic resources while supporting environmental awareness and urban agriculture initiatives.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

https://www.instagram.com/p/DYyXVeTnXPX/?img_index=1

<https://www.instagram.com/p/DaKRXvTjt4l/?igsh=MmhmodZvbHptZTJi>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[1] Setting and Infrastructure (SI)

[1.19] Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals (SDGs)



(SDGs: Decent work and economic growth &
SDGs: Industry, innovation and infrastructure)



Classroom



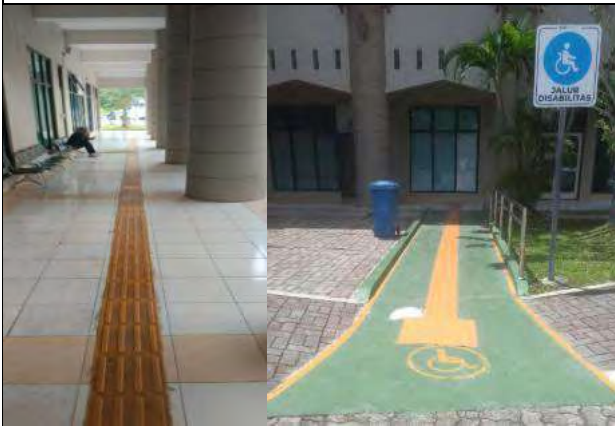
Library
(SDGs: Quality of Education)



Panel Surya (SDGs: Climate Action & affordable and clean energy)



Waste Management
(SDGs: Climate Action and Life on land)



Disability infrastructure
(SDGs: Reduced inequality)



Health Infrastructure
(SDGs: good health and well-being)



Pedestrian street
(SDGs: sustainable cities and communities)



Water absorption
(clean water and sanitation & responsible consumption and production)

Description:

Politeknik Negeri Batam (Polibatam) has implemented various sustainable campus initiatives that align with the United Nations Sustainable Development Goals (SDGs). These efforts demonstrate Polibatam's commitment to creating an environmentally friendly, inclusive, and energy-efficient campus environment.

1. **Energy-Efficient Buildings and Green Infrastructure**
Polibatam's campus buildings are designed and revitalized following green building principles. Classrooms and offices are equipped with natural lighting and cross ventilation systems to reduce energy consumption. Several buildings also utilize solar panels to harness renewable energy sources.
2. **Expansion of Green Open Spaces**
The campus has multiple green open spaces (GOS) that contribute to air quality improvement and support biodiversity. These include landscaped areas, gardens, and tree-covered pedestrian paths that provide a natural and comfortable environment for students and staff.
3. **Rainwater Harvesting and Groundwater Conservation**
Polibatam applies rainwater harvesting systems and infiltration wells to manage stormwater and maintain groundwater balance. These initiatives help reduce the risk of flooding while promoting sustainable water use across campus.
4. **Eco-Friendly and Inclusive Sanitation Facilities**
The campus provides environmentally friendly sanitation facilities equipped with waste separation bins and accessible toilets for persons with disabilities, supporting inclusivity and hygiene.
5. **Green Mobility and Low-Emission Transportation**
Polibatam encourages green mobility through the availability of pedestrian walkways, bicycle parking areas, and car-free zones in several parts of the campus. These efforts aim to reduce carbon emissions and promote a healthier lifestyle.

6. Digital Monitoring for Energy and Water Efficiency

Digital technology is used to monitor energy and water consumption efficiently. Data collected helps the campus manage resources effectively and identify opportunities to reduce waste.

7. Inclusive Learning and Public Spaces

Learning facilities, discussion areas, and open spaces at Polibatam are designed to be accessible for everyone, including people with disabilities. The campus environment supports collaborative learning and community engagement.

8. Collaboration and Partnerships for Sustainability

Polibatam actively collaborates with external partners, industries, and government agencies to enhance its sustainable campus ecosystem. These partnerships strengthen research, community service, and innovation in green technology and environmental management.

These programs support the following **SDGs: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 17**, addressing key aspects such as poverty alleviation (through equitable access to public space and facilities), good health and well-being, quality education, gender equality, clean water and sanitation, affordable and clean energy, green economic growth, resilient infrastructure, reduced inequalities, sustainable cities and communities, responsible consumption and production, climate action, and the protection of terrestrial and aquatic ecosystems, as well as global partnerships.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

https://www.youtube.com/watch?v=DGvCq_tZJ3k





ENERGY AND CLIMATE CHANGE

- 7. Affordable and Clean Energy
- 8. Decent Work and Economic Growth
- 11. Sustainable Cities and Communities
- 12. Responsible Consumption and Production
- 13. Climate Action
- 17. Partnerships for The Goals



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : www.polibatam.ac.id

[2] Energy and Climate Change (EC)

[2.1] Energy Efficient Appliances Usage (EC.1)

Polibatam actively promotes energy efficiency by integrating energy-saving technologies into its campus infrastructure and daily operations. One of the primary measures undertaken is the campus-wide deployment of LED lighting systems, which consume significantly less electricity and have a longer service life compared to conventional lighting technologies.

The replacement of conventional lamps with LED fixtures has been implemented across all campus buildings, including the Main Building (GU), Tower A Building, Technopreneur Building, Hangar, Teaching Factory Building, Student Dormitories A–E, and Workshop Buildings W1–W7. This initiative contributes to reducing overall electricity consumption, lowering greenhouse gas emissions associated with energy use, and strengthening Polibatam's commitment to sustainable campus management and resource efficiency.

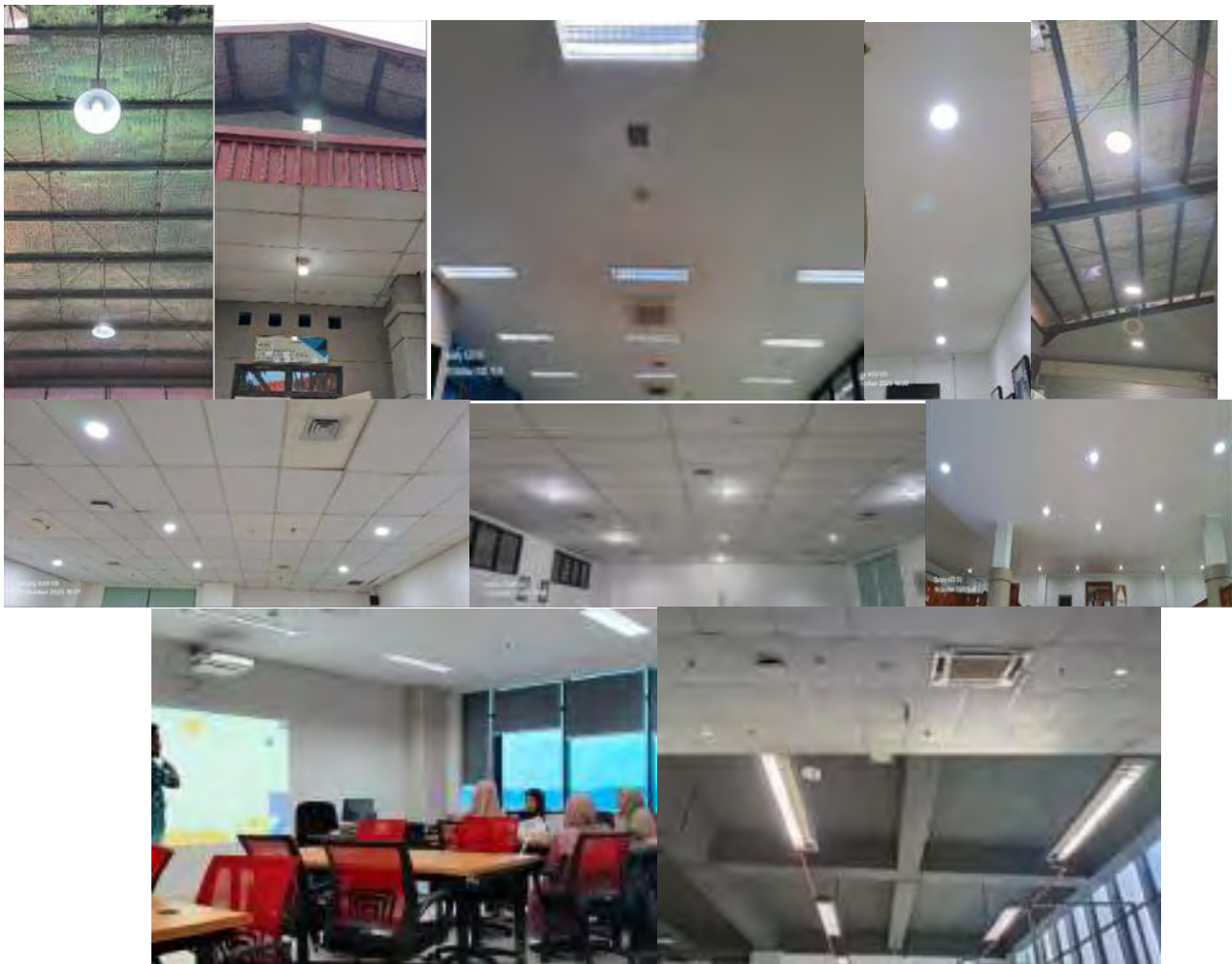


Figure 2.1. LED lighting Installation

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.3] Smart Building Implementation (EC.2)

Tabel 1. Total Area of Smart Building Implementation

No	Area	Automation (B)		Safety (S)				Energy (E)		Water (A)		Indoor Environment (I)				Lighting (L)				Building Area (m ²)
		B1	B2	S1	S2	S3	S4	E1	E2	A1	A2	I1	I2	I3	I4	L1	L2	L3	L4	
1	Gedung Utama		x		x	x									x	x		x	x	14881
2	Gedung Teaching Factory		x		x	x									x	x		x	x	4018
3	Gedung Technopreneur		x		x	x									x	x		x	x	3752
4	Gedung Mohamad Nasir (Tower A)		x		x	x					x				x	x		x	x	9045
5	Gedung Hanggar		x		x	x					x				x	x		x	x	3762
6	Kampus Batamindo		x		x	x									x	x				1372
7	Asrama E		x			x									x	x				669
8	Asrama A,B,C dan D		x			x									x	x				3056
9	Workshop W1, W2 dan W3		x		x	x									x	x				1377
10	Workshop W5, W6 dan W7		x		x	x									x	x				1244
11	Gedung TRAIN		x		x	x									x	x			x	9601
12	Gudang BMN		x			x									x	x				108
13	Rumah Kompos														x					108
Total Area																				52993

Polibatam integrates smart building principles into its campus infrastructure to enhance operational efficiency, environmental sustainability, and user comfort. The implementation encompasses several key aspects of smart building management, including safety and security systems such as access control and CCTV/video surveillance,



energy management systems, water and sanitation management, indoor environmental quality monitoring, and lighting efficiency through the use of energy-saving lighting technologies. These integrated features support the optimization of building performance while promoting resource conservation, improving occupant well-being, and contributing to the development of a sustainable and smart campus environment. The smart building facilities implemented across the campus and their corresponding floor areas are presented in **Table 1**, with a total smart building area of 52.993 m²

–

% Smart building implementation

$$= \frac{\text{total smart building area}}{\text{total building area}} \times 100\%$$

***Total Building Area: 53101 m²**

$$52993/53101 \times 100\% = 99,7 \%$$

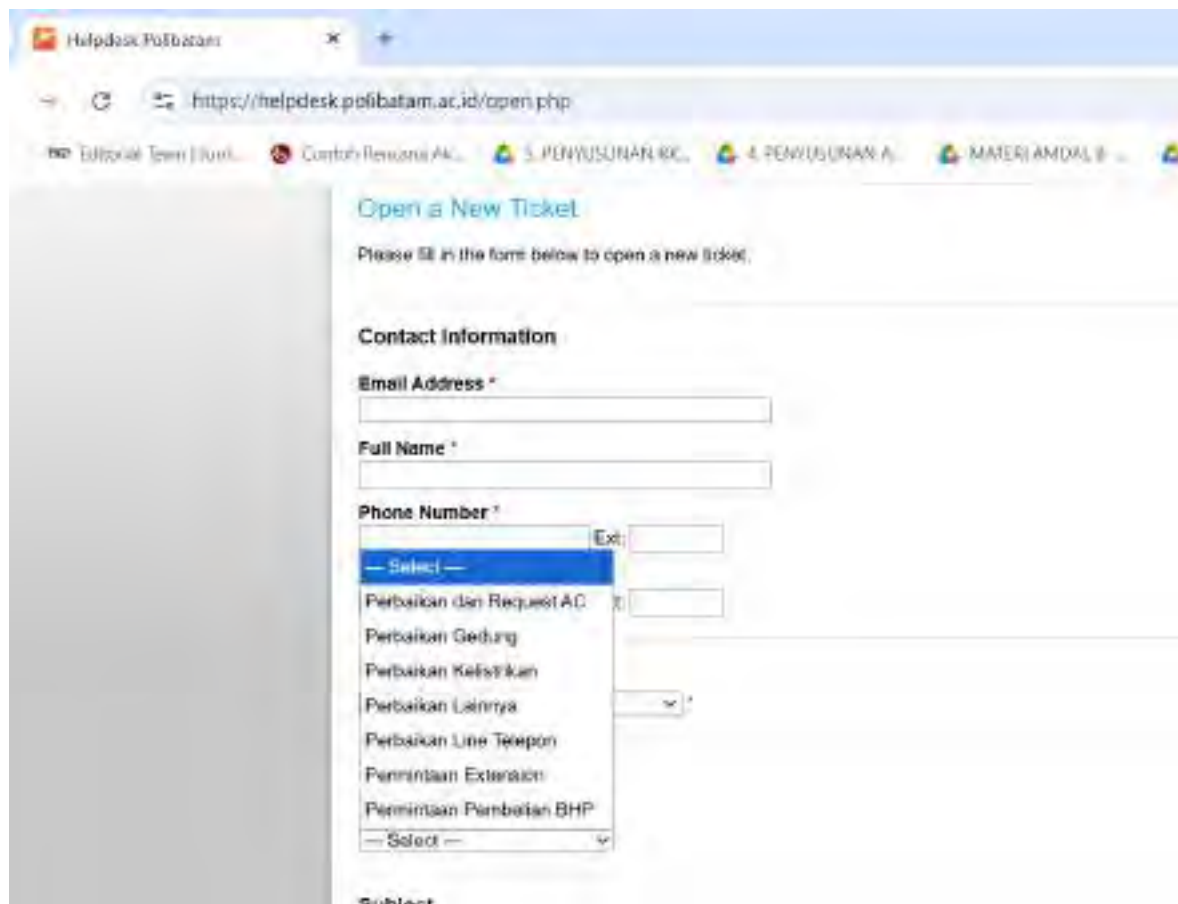
Based on the assessment of campus facilities, the implementation of smart building features covers approximately **99.7%** of the total building area at Polibatam. This high percentage indicates that nearly all campus buildings have incorporated at least one or more smart building elements, including safety and security systems, energy management, water and sanitation management, indoor environmental quality measures, and lighting efficiency technologies. Although not every building currently implements all smart building aspects in a fully integrated manner, Polibatam continuously strives to expand and enhance smart building applications across the entire campus. This approach reflects the institution's commitment to progressively transforming all campus facilities into smarter, more efficient, and more sustainable learning environments.



Figure 1. Natural Lighting Implementation



Figure 2. Fire-fighting system



The screenshot shows a web browser window with the title 'Helpdesk Polibatam'. The address bar displays 'https://helpdesk.polibatam.ac.id/open.php'. The browser's tab bar shows several open tabs, including 'Buku Teks Jilid...', 'Contoh Rencana AK...', '5. PENYUSUNAN R...', '4. PENYUSUNAN A...', and 'MATERI AMDAL B...'. The main content area is titled 'Open a New Ticket' and includes the instruction 'Please fill in the form below to open a new ticket.' Below this, there is a 'Contact Information' section with the following fields: 'Email Address *', 'Full Name *', and 'Phone Number *'. The 'Phone Number *' field is split into a main number input and an 'Ext:' input. A dropdown menu is open below the phone number field, showing a list of categories: 'Perbaikan dan Request AC', 'Perbaikan Gedung', 'Perbaikan Kelistrikan', 'Perbaikan Lainnya', 'Perbaikan Line Telepon', 'Permintaan Extension', and 'Permintaan Pembelian BHP'. The dropdown menu also includes 'Select' options at the top and bottom. At the bottom of the form, there is a 'Subject' label.

Figure 3. Interactive support for users via APP or online service

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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[2] Energy and Climate Change (EC)

[2.5] Renewable Energy Sources in Campus

Polibatam has provided alternative energy on solar panels. Solar panels have been installed on the roofs of the Mohamad Nasir Building, the Technopreneur Building, and the Main Building.

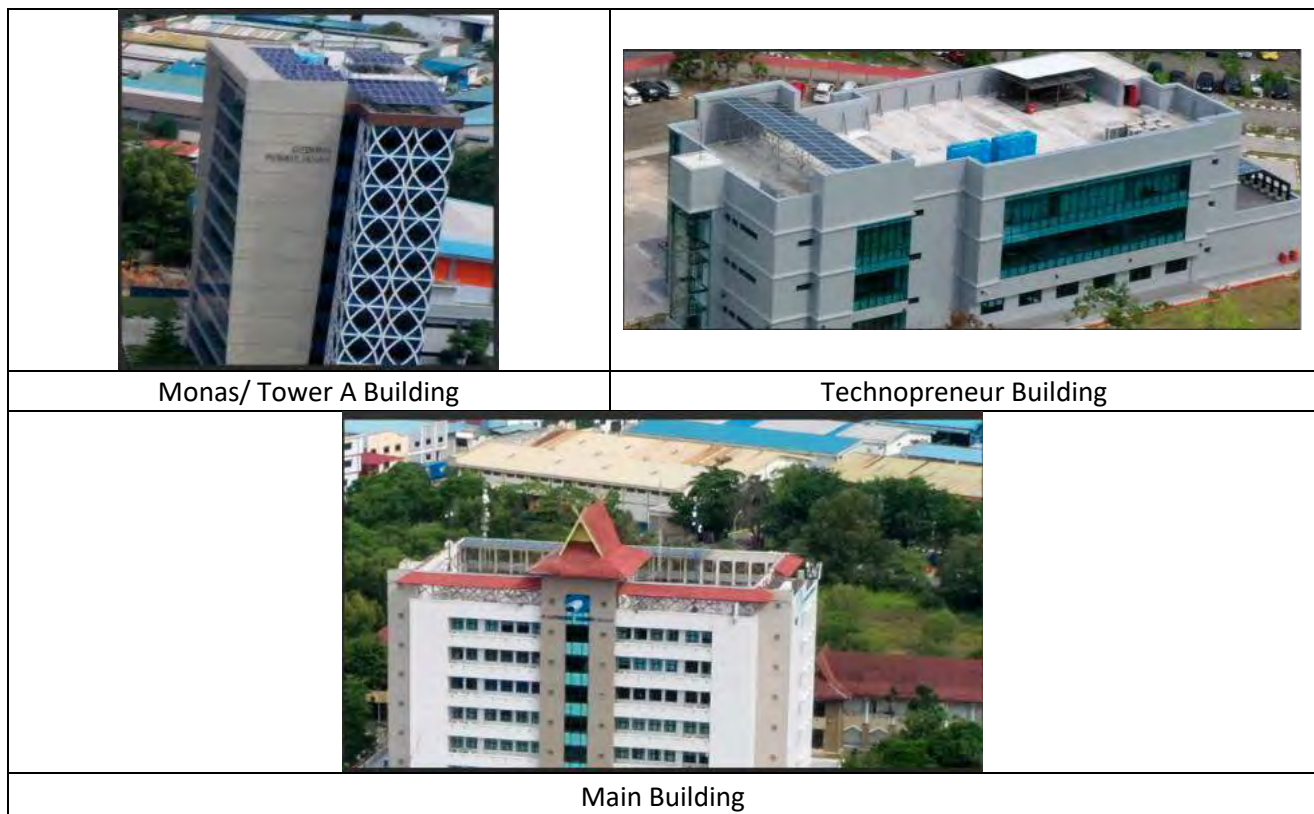


Figure 1. Roof Solar Panels Polibatam

Tabel 1. Total Solar Poer Generated

No	Renewable Energy	Production (in kWh)
1	Solar Panel – Monas/ Tower A Building	162
2	Solar Panel – Technopreneur Building	54
3	Solar Panel – Main Building	54
	Total	270

The total generated power of 270 kWh is distributed in real time across the buildings through an integrated energy management system. By utilizing renewable energy from the sun, it reduces the pollution burden from burning fossil fuels.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.6] Electricity Usage per Year (in Kilowatt hour)

During the reporting period, the total annual electricity consumption reached 4,207,626 kWh. The campus population consisted of 13,194 regular students and 480 academic and administrative staff, resulting in a total population of 13,674 persons. Consequently, the electricity usage per campus population was calculated at 307.71 kWh per person per year, as summarized in Table 2. This indicator provides a valuable benchmark for evaluating campus energy performance and monitoring the effectiveness of energy efficiency initiatives.

Table 2. Electricity Usage per Campus Population

Parameter	Value
Total Annual Electricity Usage	4,207,626 kWh/year
Total Number of Regular Students	13,194
Total Number of Academic and Administrative Staff	480
Total Campus Population	13,674
Electricity Usage per Campus Population	307.71 kWh/person/year

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.8] Ratio of renewable energy production divided by total energy usage per year (EC.5)

Polibatam has provided alternative energy on solar panels. Solar panels have been installed on the roofs of the Mohamad Nasir Building, the Technopreneur Building, and the Main Building.

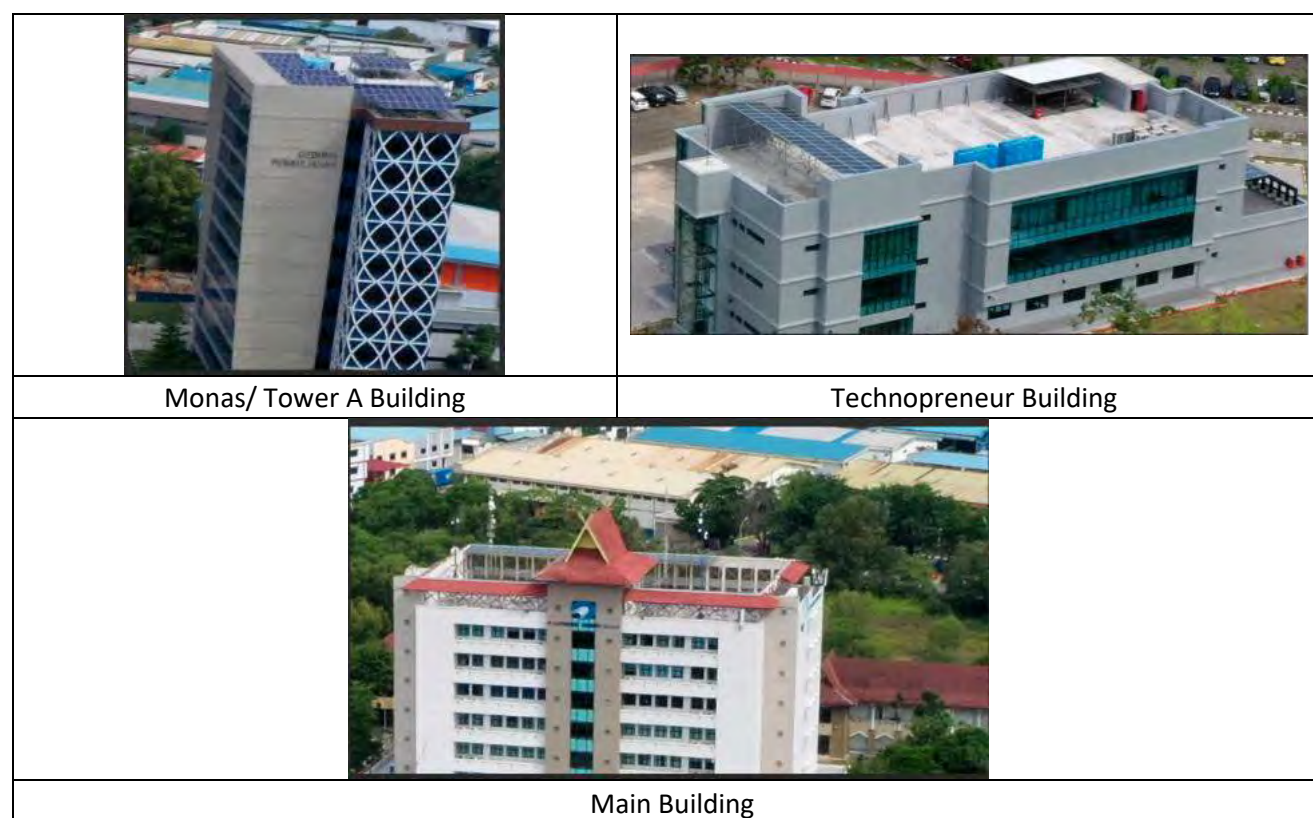


Figure 1. Roof Solar Panels Polibatam

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1	Solar Panel – Monas/ Tower A Building	162
2	Solar Panel – Technopreneur Building	54
3	Solar Panel – Main Building	54
	Total	270



The total generated power of 270 kWh is distributed in real time across the buildings through an integrated energy management system. By utilizing renewable energy from the sun, it reduces the pollution burden from burning fossil fuels.

Ratio of renewable energy production divided by total energy usage per year =
270.000 kwh / 4207626 kWh (Electricity usage) = 0,077%

The ratio of renewable energy production is determined by comparing the total annual renewable energy generated with the total annual campus electricity consumption during the reporting period. Based on operational records, the campus generated **270.000 kWh** of renewable electricity, while the total annual electricity consumption was **350,635.5 kWh**. Consequently, renewable energy contributed approximately **6,4215%** of the total annual electricity usage. Although the current contribution remains modest, the installation of the solar PV system represents an important first step in Polibatam's long-term renewable energy roadmap. The institution is committed to progressively expanding renewable energy capacity and increasing the proportion of clean energy within the campus energy mix to support sustainable campus development and climate change mitigation initiatives.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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[2] Energy and Climate Change (EC)

[2.9] Elements of Green Building Implementation as Reflected in All Buildings (EC.6)



Example of Green Building Implementation - Minimum Energy Efficiency and Lighting)



Example of Green Building Implementation – Renewable Energy

GBI Non-Residential Existing Building	GU	Tower A	TF	Techno	Hanggar	Workshop
Element 1. Energy Efficiency	V	V	V	V	V	V
Design & Performance						
Minimum EE Performance						
Lighting Zoning						
Electrical Sub-metering						
Renewable Energy	V	V		V		
Advanced or Improved EE Performance - BEI						

GBI Non-Residential Existing Building	GU	Tower A	TF	Techno	Hanggar	Workshop
Commissioning						
Enhanced or Re-commissioning						
On-going Post Occupancy Commissioning						
Monitoring, Improvement & Maintenance						
EE Monitoring & Improvement						
Sustainable Maintenance	V	V	V	V	V	V
Element 2. Indoor Environmental Quality	V	V	V	V	V	V
Air Quality						
Minimum IAQ Performance						
Environmental Tobacco Smoke (ETS) Control						
Carbon Dioxide Monitoring and Control	V			V		V
Indoor Air Pollutants						
Mould Prevention						
Thermal Comfort						
Thermal Comfort: Controllability of Systems						
Air Change Effectiveness						
Lighting, Visual & Acoustic Comfort						
Daylighting	V	V	V	V	V	V
Daylight Glare Control						
Electric Lighting Levels						
High Frequency Ballasts						
External Views	V	V	V	V	V	V
Internal Noise Levels						
Verification						
IAQ Before/During Occupancy						
Occupancy Comfort Survey: Verification						
Element 3. Sustainable Site Planning & Management						
Facility Management						
GBI Rated Design & Construction						
Building Exterior Management						
Integrated Pest Management, Erosion Control & Landscape Management						
Transportation						
Green Vehicle Priority - Low Emitting & Fuel Efficient Vehicles	V	V	V	V	V	
Parking Capacity						
Reduce Heat Island Effect						
Greenery & Roof	V					
Building User Manual						
Element 4. Materials & Resources						
Reused & Recycled Materials						
Materials Reuse and Selection						

GBI Non-Residential Existing Building	GU	Tower A	TF	Techno	Hanggar	Workshop
Recycled Content Materials						
Sustainable Materials & Resources and Policy						
Sustainable Timber						
Sustainable Purchasing Policy						
Waste Management						
Storage, Collection & Disposal of Recyclables	V	V	V	V	V	V
Green Products						
Refrigerants & Clean Agents						
Element 5. Water Efficiency	V	V	V	V	V	V
Water Harvesting & Recycling						
Rainwater Harvesting				V		
Water Recycling				V		
Increased Efficiency						
Water Efficient - Irrigation/Landscaping	V	V	V	V	V	V
Water Efficient Fittings						
Metering & Leak Detection System						
Element 6. Innovation						
Innovation & Environmental Initiatives						
Green Building Index Facilitator						

Description:

Polibatam has successfully implemented various elements of green building across its campus buildings as part of its commitment to sustainability. More than 90% of rooms in Polibatam are equipped with exterior windows to maximize the use of natural light and reduce dependence on artificial lighting, fulfilling the minimum energy efficiency standard. In addition, three major buildings utilize solar panels as a source of renewable energy to support daily operations. The institution also promotes responsible waste management through source separation, organic waste utilization, and paper recycling initiatives. Furthermore, Polibatam practices water cycling by reusing treated wastewater from its wastewater treatment plant (IPAL) for toilet flushing and landscape irrigation.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.10] Greenhouse gas emission reduction program (EC.7)

Politeknik Negeri Batam (Polibatam) continuously implements various greenhouse gas (GHG) emission reduction initiatives as part of its commitment to sustainable campus development and climate change mitigation. The programs are designed to address several major sources of greenhouse gas emissions, including purchased electricity, solid waste generation, purchased water consumption, and transportation-related emission. These initiatives integrate renewable energy utilization, resource efficiency, circular economy practices, sustainable transportation, and digital learning systems to reduce the campus carbon footprint while supporting the achievement of the Sustainable Development Goals (SDGs).

The implementation of GHG emission reduction programs at Polibatam is summarized in Table 1.

Table 1. Greenhouse Gas (GHG) Emission Reduction Programs at Politeknik Negeri Batam

No	GHG Emission Source (Scope)	GHG Reduction Program	Contribution to GHG Reduction
1	Scope 2 – Purchased Electricity	Installation of Solar Photovoltaic (PV) systems on several campus buildings	Reduces dependence on grid electricity by utilizing renewable solar energy, thereby lowering indirect CO ₂ emissions associated with electricity consumption.
2	Scope 3 – Waste	On-campus organic waste treatment through the Composting House	Organic waste is processed into compost instead of being disposed of in landfills, reducing methane (CH ₄) emissions while producing compost for campus landscaping.
3	Scope 3 – Waste	Collaboration with external partners for plastic waste utilization and recycling	Diverts plastic waste from landfill disposal, promotes material recycling, and supports the circular economy, thereby reducing emissions associated with waste management and virgin plastic production.
4	Scope 3 – Purchased Water	Reuse of treated wastewater through the campus Water Recycling System	Treated effluent from the campus STPs is reused for toilet flushing and landscape irrigation, reducing freshwater demand and lowering emissions associated with water supply and treatment.

5	Scope 3 – Commuting	Provision of bus shelters to encourage the use of public transportation	Supports the use of mass transportation by students and staff, helping reduce emissions generated from private vehicle commuting.
6	Scope 3 – Commuting	Implementation of online learning (distance learning) for selected academic activities	Reduces commuting frequency and associated fuel consumption, thereby decreasing transportation-related greenhouse gas emissions while supporting flexible and sustainable education.



1. Renewable energy Main Building



2. Renewable energy Tower A



3. Renewable energy Technopreneur



4. Electric Motor



5. Utilize organic waste for composting



6. Biopore



7. Recycle inorganic waste program



8. Recycle effluent of STP



8. Composting Area	9. Composting Process
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Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.11] Please Provide The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons)

Politeknik Negeri Batam (Polibatam) annually estimates its carbon footprint to evaluate greenhouse gas (GHG) emissions generated from campus operations and to monitor the effectiveness of its climate change mitigation initiatives. The carbon footprint assessment covers the major emission sources associated with campus activities, including purchased electricity and daily transportation by campus users. The calculation follows the methodology recommended by the UI GreenMetric Sustainable University Rankings, where carbon emissions from electricity consumption are estimated using the applicable electricity emission factor, while transportation emissions are calculated based on the number of vehicles entering the campus, their average travel distance within the campus, and the corresponding emission factors for each vehicle type.

Calculation of Carbon Footprint Polibatam

a. Electricity Usage per Year

The CO₂ Emission from electricity
= (electricity usage per year in kWh/1000) x 0,84
= 4207626 kWh/1000 x 0,84
= 3534.41 metric tons

b. Transportation per year (Shuttle)

= (Number of the shuttle bus in your university x total trips for shuttle bus service each day x approximate travel distance of a vehicle each day inside campus only (in kilometers) x 240/100) x 0.01
= ((0 x 0 x 0 x 240)/100) x 0.01
= 0 metric tons

c. Transportaion per year (Car)

= (Number of cars entering your university x 2 x approximate travel distance of a vehicle each day inside campus only (in kilometers) x 240/100) x 0.02

= ((371 x 2 x 1 x 240)/100)x0.02

= 35.62 metric tons

d. Transportion per year (Motorcycle)

= (Number of motorcycle entering your university x 2 x approximate travel distance of a vehicle each day inside campus only (in kilometers) x 240/100) x 0.01

= ((4002 x 2 x 1 x 240)/100)) x 0.01

= 192.1 metric tons

e. Total emisin per year

= total emission from electricity usage + transportation (bus, car, motorcycle)

= 3534.41 + (0 + 35.62 + 192.1)

= 3762.13 metric tons

Based on the carbon footprint assessment for the reporting period, Polibatam recorded an annual electricity consumption of 4,207,626 kWh, resulting in an estimated 3,534.41 metric tons of CO₂ emissions, which represents the largest contributor to the campus carbon footprint. Transportation activities contributed an additional 227.72 metric tons of CO₂, consisting of 35.62 metric tons from passenger cars and 192.10 metric tons from motorcycles, while no emissions were recorded from campus shuttle bus operations during the reporting period. Consequently, the total carbon footprint of Polibatam was estimated at 3,762.13 metric tons of CO₂ over the last twelve months.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.12] Please Provide The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons) EC8

Politeknik Negeri Batam (Polibatam) evaluates its carbon footprint per campus population to assess greenhouse gas (GHG) emissions relative to the size of its academic community. This indicator provides a normalized measure of campus carbon emissions, enabling a more meaningful comparison of environmental performance regardless of institutional size. The calculation is based on the total annual carbon footprint generated from campus electricity consumption and transportation activities, divided by the total campus population, including regular students and academic and administrative staff.

During the reporting period, Polibatam recorded a total annual carbon footprint of 3,762.13 metric tons of CO₂, consisting primarily of emissions from purchased electricity and daily transportation activities. The total campus population comprised 13,194 regular students and 480 academic and administrative staff, resulting in a total population of 13,674 people. Based on these data, the campus carbon footprint was calculated at 0.275 metric tons CO₂ per person per year. This indicator serves as an important benchmark for monitoring the effectiveness of Polibatam's greenhouse gas mitigation initiatives, including renewable energy utilization, smart building implementation, energy efficiency measures, sustainable transportation, and waste and water management programs.

Tabel 1. Carbon Footprint Calculation of Politeknik Negeri Batam

Emission Source	Calculation Method	CO ₂ Emissions (metric tons/year)
Electricity Consumption	$(4,207,626 \text{ kWh} \div 1,000) \times 0.84$	3,534.41
Transportation – Shuttle Bus	$((0 \times 0 \times 0 \times 240) \div 100) \times 0.01$	0.00
Transportation – Passenger Cars	$((371 \times 2 \times 1 \times 240) \div 100) \times 0.02$	35.62
Transportation – Motorcycles	$((4,002 \times 2 \times 1 \times 240) \div 100) \times 0.01$	192.10
Total Annual Carbon Footprint	Sum of all emission sources	3,762.13

Tabel 2.

Parameter	Value
Total Annual Carbon Footprint	3,762.13 metric tons CO ₂ /year
Total Number of Regular Students	13,194

Parameter	Value
Total Number of Academic and Administrative Staff	480
Total Campus Population	13,674
Carbon Footprint per Campus Population	0.275 metric tons CO ₂ /person/year

The carbon footprint per campus population of 0.275 metric tons CO₂ per person per year demonstrates Polibatam's ongoing commitment to monitoring and reducing greenhouse gas emissions through evidence-based sustainability management.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.13] Number of innovative program(s) in energy and climate change (EC.9)

Politeknik Negeri Batam (Polibatam) continuously promotes innovation in energy efficiency, climate change mitigation, renewable energy, and sustainable resource management through research, innovation, intellectual property (IP), and community implementation. These innovations are developed by academic staff and students to address environmental challenges while supporting sustainable industrial development and the circular economy. Several of these innovations have resulted in intellectual property rights (IPRs), research outputs, prototypes, and community implementation programs, demonstrating Polibatam's commitment to creating practical and impactful solutions for energy conservation, greenhouse gas reduction, waste utilization, and climate resilience.

The innovative programs presented in Table 1 represent university-developed technologies and solutions that contribute directly to renewable energy utilization, energy efficiency, sustainable aquaculture, circular economy, carbon emission reduction, and environmental protection.

Tabel 1. Innovative Programs in Energy and Climate Change Developed by Politeknik Negeri Batam

No.	Innovative Program	Category	Contribution to Energy and Climate Change
1	Portable Solar Photovoltaic (PV) System	Renewable Energy	Provides portable clean energy for off-grid applications, reducing dependence on fossil fuels and lowering carbon emissions.
2	Solar Drying System for Gonggong Shell Waste Processing	Renewable Energy & Waste Utilization	Utilizes solar energy to dry shell waste, reducing electricity consumption and supporting sustainable waste management.
3	AERO: Automatic Room Efficiency Optimization System	Smart Building & Energy Efficiency	Optimizes lighting and indoor environmental control to reduce electricity consumption in buildings.
4	IoT-Based Smart Biofloc Monitoring and Automatic Feeding System	Smart Sustainable Technology	Optimizes feeding, water quality, and energy consumption in aquaculture through IoT-based automation.
5	Transport Carbon Calculator Application	Carbon Management	Calculates transportation-related carbon emissions to support carbon footprint assessment and mitigation planning.

6	Deep Learning-Based Organic Waste Classification for Digital Waste Bank	Artificial Intelligence & Circular Economy	Improves waste segregation efficiency and promotes recycling through AI-based waste classification.
7	Composite Ship Panel from Coconut Fiber and Plastic Waste	Circular Economy & Sustainable Materials	Converts agricultural and plastic waste into environmentally friendly composite materials for the maritime industry.
8	Eco-Grow: Kitchen Waste Conversion into Liquid Organic Fertilizer	Circular Economy	Transforms organic household waste into liquid fertilizer, reducing landfill waste and greenhouse gas emissions.
9	Blue Carbon Transport Modeling in Mangrove Ecosystems	Climate Change Mitigation	Develops a blue carbon model to estimate carbon sequestration in mangrove ecosystems for climate mitigation planning.
10	Climate Change Impact Assessment on Sea Surface High Anomaly (SSHA)	Climate Adaptation	Develops analytical models to understand climate change impacts on coastal and marine environments.

Through these innovative programs, Polibatam demonstrates its commitment to developing university-based solutions that support energy efficiency, renewable energy, climate change mitigation, climate adaptation, and circular economy practices. The integration of research, innovation, intellectual property, and community implementation strengthens the university's contribution to sustainable development while fostering practical technologies that generate environmental, social, and economic benefits.

Supporting

evidence

:

<https://drive.google.com/drive/folders/1FawPFxQpqnB7g6ZFYBpfOEuUbK0Zzc?usp=sharing>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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[2] Energy and Climate Change (EC)

[2.14] Impactful university program(s) on climate change (EC.10)

Politeknik Negeri Batam (Polibatam) actively promotes climate change mitigation and sustainability through education, research, community engagement, and capacity-building programs. These initiatives aim to increase environmental awareness, encourage sustainable lifestyles, strengthen green skills, and disseminate innovative solutions for resource efficiency and climate resilience. The programs involve students, academic staff, industries, schools, and surrounding communities through campaigns, workshops, research activities, community service, and professional training. Supporting documents, including training materials, activity reports, participant lists, and photographic evidence, are provided to demonstrate the implementation and impact of these initiatives.

Tabel 1. Impactful university programs on climate change Polibatam

No.	Program	Description	Climate Change Contribution
1	Water and Energy Conservation Campaign	Awareness campaign encouraging students and staff to reduce water and electricity consumption through posters, social media, and campus-wide reminders.	Promotes energy efficiency and water conservation, reducing indirect greenhouse gas emissions.
2	Bring Your Own Tumbler Campaign	Campaign encouraging the campus community to use reusable tumblers instead of single-use plastic bottles.	Reduces plastic waste generation and emissions associated with plastic production and disposal.
3	Green Jobs Workshop	Workshop introducing green economy concepts, sustainable industries, renewable energy, and future green employment opportunities.	Develops green competencies and prepares students for low-carbon industries.
4	Research on Waste Utilization	Research projects focusing on converting waste into value-added products, including recycling technologies and circular economy applications.	Develops innovative solutions for waste reduction and climate change mitigation.

5	Community Service on Waste Utilization	Community engagement programs providing training on recycling technologies and waste management for schools and local communities.	Enhances public awareness and promotes community-based climate mitigation practices.
6	Industrial Seminar on Green Manufacturing (PT Alcon Batam)	Polibatam lecturers serve as speakers for industrial training and seminars on green manufacturing, cleaner production, and sustainable industrial practices.	Promotes low-carbon manufacturing and resource-efficient production in industry.
7	Training of Trainers (ToT) on Waste Management Facilities	Academic staff participate in national Training of Trainers programs on integrated waste management systems and sustainable waste processing technologies. Knowledge gained is disseminated through teaching, research, and community outreach.	Strengthens institutional capacity and supports wider implementation of sustainable waste management practices.



Figure 1. Water and Energy Conservation Campaign



Figure 2. Bring Your Own Tumbler and Paperless Campaign



The screenshot shows the BiMA (Berkas Informasi Manajemen Akademik) system interface. It includes a navigation bar with options like Dashboard, Penilaian, Pengajaran, and Laporan. The main content area displays a table of waste utilization records with columns for ID, Nama, Aspek, Skema, Bidang Fokus, Tahun Pelaksanaan, and Status. The table contains one record for a waste utilization activity, with a status of 'Selesai' (Completed).

ID	Nama	Aspek	Skema	Bidang Fokus	Tahun Pelaksanaan	Status	Komentar (Catat)	Komentar (Review)	Aksi
1	Waste Utilization	Waste Utilization	Waste Utilization	Waste Utilization	2020	Selesai			

Figure 3. Research on Waste Utilization

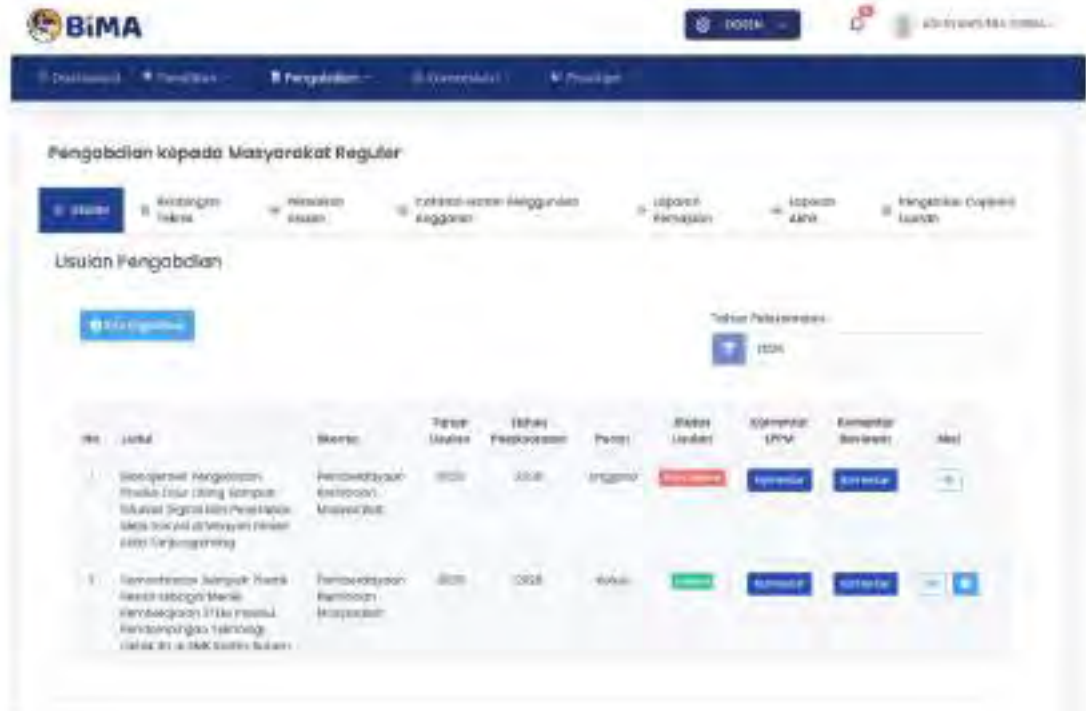


Figure 4. Community Service on Waste Utilization



FGD Smart Street Lighting Dorong Transformasi Smart City Batam yang Efisien dan Berkelanjutan

04/07/2024



Figure 5. FD Smart Street Lighting & Green Jobs Workshop



Figure 6. Industrial Seminar on Green Manufacturing (PT Alcon Batam)



glz glz_idasean • Harii

glz glz_idasean The Indonesia – Germany Cooperation is moving towards a green and inclusive economy and it begins with skilled people.

A collaboration between the Government of Indonesia (Rappertus) and Germany (GIZ Indonesia & ASEA) to accelerate a sustainable and inclusive green economic transformation is proud to launch the Waste Processing Facility Management Upskilling Program, a training of Trainers (ToT) initiative designed to grow a new generation of qualified waste management professionals across the country.

📍 Jakarta | 28-30 April 2025

👥 16 trainees from institutions across Indonesia, creating a lasting multiplier effect in their regions

🌱 Developed from real inputs by circular economy practitioners and waste facility operators



👤 Disukai oleh vicky.wahyudi dan 70 lainnya
29 April

Supporting evidence :

<https://www.polibatam.ac.id/polibatam-gelar-sosialisasi-pilah-sampah-dukung-green-campus-dan-program-sdgs/>

<https://www.polibatam.ac.id/satu-kampus-satu-aksi-polibatam-deklarasikan-gerakan-pilah-sampah-dan-operasikan-tpst-mandiri-2/>

<https://www.polibatam.ac.id/fgd-smart-street-lighting-dorong-transformasi-smart-city-batam-yang-efisien-dan-berkelanjutan/>

<https://www.polibatam.ac.id/technopreneur-centre-polibatam-dilengkapi-panel-surya-dukung-efisiensi-energi-dan-green-campus/>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[2] Energy and Climate Change (EC)

[2.15] Impact of Energy and Climate Change programs in supporting the Sustainable Development Goals (SDGs)

Politeknik Negeri Batam (Polibatam) actively promotes climate change mitigation and sustainability through education, research, community engagement, and capacity-building programs. These initiatives aim to increase environmental awareness, encourage sustainable lifestyles, strengthen green skills, and disseminate innovative solutions for resource efficiency and climate resilience. The programs involve students, academic staff, industries, schools, and surrounding communities through campaigns, workshops, research activities, community service, and professional training. Supporting documents, including training materials, activity reports, participant lists, and photographic evidence, are provided to demonstrate the implementation and impact of these initiatives.

Tabel 1. Energy and Climate Change programs

Tabel 1. Impactful university programs on climate change Polibatam

No.	Program	Description	Climate Change Contribution	SDGs
1	Water and Energy Conservation Campaign	Awareness campaign encouraging students and staff to reduce water and electricity consumption through posters, social media, and campus-wide reminders.	Promotes energy efficiency and water conservation, reducing indirect greenhouse gas emissions.	SDG 6, SDG 7, SDG 12, SDG 13
2	Bring Your Own Tumbler Campaign	Campaign encouraging the campus community to use reusable tumblers instead of single-use plastic bottles.	Reduces plastic waste generation and emissions associated with plastic production and disposal.	SDG 12, SDG 13, SDG 14
3	Green Jobs Workshop	Workshop introducing green economy concepts, sustainable industries, renewable energy, and future green employment opportunities.	Develops green competencies and prepares students for low-carbon industries.	SDG 4, SDG 8, SDG 9, SDG 13

4	Research on Waste Utilization	Research projects focusing on converting waste into value-added products, including recycling technologies and circular economy applications.	Develops innovative solutions for waste reduction and climate change mitigation.	SDG 9, SDG 12, SDG 13
5	Community Service on Waste Utilization	Community engagement programs providing training on recycling technologies and waste management for schools and local communities.	Enhances public awareness and promotes community-based climate mitigation practices.	SDG 4, SDG 11, SDG 12, SDG 13
6	Industrial Seminar on Green Manufacturing (PT Alcon Batam)	Polibatam lecturers serve as speakers for industrial training and seminars on green manufacturing, cleaner production, and sustainable industrial practices.	Promotes low-carbon manufacturing and resource-efficient production in industry.	SDG 9, SDG 12, SDG 13
7	Training of Trainers (ToT) on Waste Management Facilities	Academic staff participate in national Training of Trainers programs on integrated waste management systems and sustainable waste processing technologies. Knowledge gained is disseminated through teaching, research, and community outreach.	Strengthens institutional capacity and supports wider implementation of sustainable waste management practices.	SDG 4, SDG 11, SDG 12, SDG 13

Politeknik Negeri Batam (Polibatam) actively implements various energy and climate change initiatives through education, research, community engagement, and institutional sustainability programs. These initiatives include water and energy conservation campaigns, the "Bring Your Own Tumbler" campaign, Green Jobs workshops, research and community service on waste utilization, industrial seminars on green manufacturing, and the participation of academic staff in Training of Trainers (ToT) on waste management. Collectively, these programs promote sustainable lifestyles, improve resource efficiency, strengthen environmental awareness, and encourage the adoption of low-carbon practices among students, staff, industries, and surrounding communities.

The implementation of these programs demonstrates Polibatam's commitment to supporting climate change mitigation through capacity building, innovation, and knowledge transfer. By integrating sustainability into academic activities, research, and community outreach, Polibatam contributes to the development of environmentally responsible behaviors and strengthens collaboration with industry and society to achieve long-term sustainability goals. The impacts of these initiatives in supporting the Sustainable Development Goals (SDGs) are summarized as follows:

- **SDG 4 – Quality Education:** Enhances sustainability education and develops green competencies through workshops, training, research, and community service.
- **SDG 6 – Clean Water and Sanitation:** Promotes water conservation through awareness campaigns and responsible water use practices.
- **SDG 7 – Affordable and Clean Energy:** Encourages energy conservation and efficient energy use across the campus community.
- **SDG 8 – Decent Work and Economic Growth:** Prepares students and professionals for employment in green and sustainable industries through Green Jobs initiatives.
- **SDG 9 – Industry, Innovation and Infrastructure:** Supports innovation in waste utilization and promotes green manufacturing practices through research and industrial collaboration.
- **SDG 11 – Sustainable Cities and Communities:** Strengthens community participation in sustainable environmental management through outreach and training programs.
- **SDG 12 – Responsible Consumption and Production:** Encourages waste reduction, resource efficiency, and circular economy practices, including the use of reusable products and waste recycling.
- **SDG 13 – Climate Action:** Contributes to greenhouse gas emission reduction by promoting climate awareness, sustainable resource management, and low-carbon practices.
- **SDG 14 – Life Below Water:** Reduces plastic pollution through campaigns that minimize single-use plastics, helping protect aquatic ecosystems



WASTE

- 3. Good Health and Well-Being
- 8. Decent Work and Economic Growth
- 12. Responsible Consumption and Production
- 14. Life Below Water
- 15. Life on Land
- 17. Partnerships for The Goals



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.1] 3R (Reduce, Reuse and Recycle) Program for University Waste



Waste Segregation Awareness Campaign to Support Waste Reduction

https://www.instagram.com/reel/DUdVNNukX4o/?utm_source=ig_web_copy_link&igsh=NTc4MTIwNiQ2YQ==



Waste Sorting Based on Waste Categories



Leaf compost nets have been installed on 230 trees across the campus, supported by 10 biopore infiltration holes with a spacing of approximately 4 meters



TPST (Tempat Pengolahan Sampah Terpadu)

<https://www.polibatam.ac.id/polibatam-deklarasikan-gerakan-pilah-sampah-tpst-mandiri-resmi-beroperasi/>



(Left) Organic Waste Processed into Compost Fertilizer at Polibatam

<https://www.polibatam.ac.id/polibatam-ubah-sampah-organik-menjadi-kompos-wujud-nyata-green-campus/>

(Right) Products from the Polibatam TPST

<https://www.polibatam.ac.id/sampel-produk-tpst-polibatam-tampil-di-bazar-mtg-kota-batam-2026-tunjukkan-inovasi-pengolahan-sampah-menjadi-kompos/>

Description:

Policy basis and scope

Politeknik Negeri Batam (Polibatam) operates its 3R (Reduce, Reuse, Recycle) program as part of its Green Campus commitment, under Keputusan Direktur No. 096/K/PL29/I/2026 tentang Penetapan Pengelola Sampah di Lingkungan Politeknik Negeri Batam. The program is coordinated by the Green Campus team and operated through the campus Integrated Waste Processing Facility (TPST). It is supported by continuous awareness campaigns that encourage students, lecturers, staff, and visitors to sort waste by type. Reporting period: 2025 – April 2026.

Level of implementation

The 3R program is implemented campus-wide and covers more than 75% of the waste generated on campus. During the reporting period, virtually all segregated waste was diverted from landfill: 3.07 tons of organic waste were composted and 2.188 tons of inorganic (paper and plastic) waste were recycled, representing an estimated landfill-diversion rate of approximately >95% of recorded waste (see evidence files 3.5–3.11).

Reduce

Polibatam reduces waste at source through self-service drinking-water refill stations (12 units), promotion of reusable tumblers, reduction of single-use plastics in canteens and university events, and digital administration to cut paper use. These efforts reduced paper waste by approximately 4 tons and plastic waste by 0.093 tons compared with 2025.

Reuse

Compost produced from organic waste is reused on campus for landscaping and tree maintenance. During the reporting period, 3.04 tons of compost was produced and applied to campus green areas, and TPST compost products were exhibited at Bazar MTQH XXXIV (2026) to promote circular-economy practices.



Recycle

Segregated waste bins are provided at 169 units across campus. Organic waste is processed via leaf-composting nets placed around approximately 230 trees, supported by 10 biopore infiltration holes (≈ 4 m spacing) that aid decomposition and groundwater infiltration. Paper and plastic are sorted and channelled to authorized recycling partners, while plastic bottles are collected through 6 drop boxes in partnership with Free The Sea (FTS).

Monitoring

Waste-generation data are recorded monthly to evaluate program effectiveness and support continuous improvement, as documented in the waste-monitoring spreadsheet and the plastic-bottle drop-box distribution data.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

[\[3.1\] Data tempat sampah 2026.xlsx](#)

[Data Sebaran Dropbox Botol Plastik](#)

[MOU Free The Sea](#)

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.2] Total volume of paper and plastic produced this year

1. Annual Waste Generation Summary 2026

Type of waste	Amount (ton) Produced		Reduced (ton)
	Last year (2025)	This year (Jan s.d. April 2026)	
Plastic	0.394	0.301	0.093
- Plastik Padat	0.394	0.300	0.094
- Plastik Lunak	0.000	0.001	-0.001
Paper	5.884	1.887	3.997
- Kertas	5.884	1.887	3.997
	6.278	2.188	4.090

Note: 2025 is a full 12-month figure while 2026 covers 4 months, so “Reduced” reflects the period-on-period difference rather than reduction achieved solely through 3R. Soft plastic shows +0.001 t (a small increase).

2. Monthly Waste Collection Data (Jan–Apr 2026)

2026	Paper (kg)	Plastic (kg)	Total (kg)
Jan	1,852	–	1,852
Feb	–	–	–
Mar	–	300	300
Apr	35	1	36
Mei	-	-	-
Jun	-	-	-
Jul	-	-	-
Ags	-	-	-
Sept	-	-	-
Okt	-	-	-
Nov	-	-	-
Des	-	-	-
Total (kg)	1.887	301	2.188
Total (ton)	1,887	0,301	2,188

Description:

During the January–April 2026 reporting period, Polibatam generated a total of 2.188 tons of paper and plastic waste, consisting of 1.887 tons of paper and 0.301 tons of plastic. Paper accounted for the largest share, while



plastic consisted mainly of rigid plastic. Because the 2026 figure covers only the first four months of the year, it is not directly comparable with the full-year 2025 total of 6.278 tons (paper 5.884 t; plastic 0.394 t).

All paper and plastic waste is segregated at source and channelled to authorized recycling partners (treatment reported in evidence files 3.9 and 3.11), supported by the campus 3R program and the Integrated Waste Processing Facility (TPST) described in file 3.1. Waste-generation data are recorded monthly to support evaluation and continuous improvement.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.3] Total volume of paper and plastic produced last year

1. Annual Paper and Plastic Waste Generation Summary for 2025

Type of waste	Amount (ton) Produced		Reduced (ton)
	Last year (2025)	This year (Jan s.d. Mei 2026)	
Plastic	0.394	0.301	0.093
- Plastik Padat	0.394	0.300	0.094
- Plastik Lunak	0.000	0.001	-0.001
Paper	5.884	1.887	3.997
- Kertas	5.884	1.887	3.997

Note: 2025 is a full 12-month figure while 2026 covers 4 months, so "Reduced" here reflects the period-on-period difference rather than reduction achieved solely through 3R. Soft plastic shows +0.001 t (a small increase).

2. Monthly Paper and Plastic Waste Generation Data for 2025

2025	Paper (kg)	Plastic (kg)	Total (kg)
Jan	-	15	15
Feb	-	15	15
Mar	-	16	16
Apr	-	15	15
Mei	-	15	15
Jun	-	18	18
Jul	-	19	19
Ags	-	25	25
Sept	-	17	17
Okt	4.607	90	4.697
Nov	681	80	761
Des	596	70	666
Total (kg)	5.884	394	6.278
Total (ton)	5,884	0,394	6

Description:

In 2025, Polibatam generated a total of 6.278 tons of paper and plastic waste, consisting of 5.884 tons of paper and 0.394 tons of plastic. Paper represented the largest proportion of the total, while plastic consisted primarily of rigid



plastic materials. These figures cover the full 12-month period (January–December 2025) and serve as the baseline for comparison with the 2026 reporting period (file 3.2).

To reduce paper and plastic waste generation, Polibatam implemented various waste management initiatives, including waste segregation campaigns, the provision of segregated waste bins, the reduction of single-use plastics, and waste treatment through the Integrated Waste Processing Facility (TPST). These initiatives support waste reduction efforts and promote the reuse and recycling of valuable materials.

Waste-generation data were monitored and recorded regularly throughout the year to evaluate the effectiveness of waste management programs and support continuous improvement. Through these efforts, Polibatam continues to strengthen sustainable waste management practices and promote a cleaner, more environmentally friendly campus.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.4] Program to Reduce the Use of Paper and Plastic on Campus (WS.2)

	
Reusable Water Bottle Initiative at the Annual Plenary Meeting https://www.polibatam.ac.id/polibatam-gelar-rapat-pleno-tahunan-dan-apresiasi-dosen-laboran-serta-tendik-berprestasi-2025/	Campaign To Reduce Single Use Plastics
	
Green Campus Educational Media Media Edukasi Green Campus Polibatam	Campaign to Reduce Plastic Bag Use



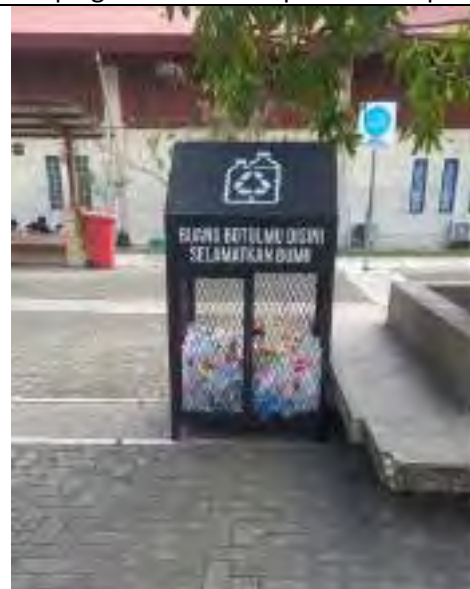
Campaign Encouraging the Use of Reusable Tumblers



Campaign to Reduce Paper Consumption



Supporting the Reusable Tumbler Program



Plastic Bottle Collection Drop Box



Plastic Bottle Recycling Program in Collaboration with Free The Sea



Self Service Drinking Water Refill Station
<https://www.polibatam.ac.id/dukung-green-campus-polibatam-buka-depot-air-minum-isi-ulang-sendiri-2/>



Description:

Polibatam implements various initiatives to reduce the consumption of paper and single-use plastics as part of its commitment to developing a sustainable Green Campus. These initiatives include awareness campaigns, educational programs, behavioral change efforts, and the provision of supporting facilities for the campus community.

To reduce plastic waste, Polibatam actively promotes the use of reusable tumblers and encourages students, lecturers, and staff to bring their own drinking bottles during campus activities and official events. The campus also provides self-service drinking water refill stations to support the reduction of bottled water consumption. In addition, awareness campaigns encourage the reduction of plastic bag usage and the adoption of environmentally responsible lifestyles.

To support recycling efforts, dedicated collection boxes for plastic bottles are available on campus. The collected plastic bottles are managed in collaboration with environmental partners, including Free The Sea, to increase recycling rates and reduce the amount of plastic waste sent to landfills.

Polibatam also promotes paper reduction through digital administration systems, electronic document distribution, and paper-saving campaigns. Through these initiatives, the university continues to strengthen sustainable consumption practices and support the implementation of the Reduce, Reuse, and Recycle (3R) principles across campus operations.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.5] Total volume organic waste produced this year

1. Organic Waste Generation Summary for 2026

Type of waste	amount (ton)					
	Produced		reduced	Treated		
	Last year (2025)	This Year (2026)		reused	down-cycled	up-cycled
organic	5,10	3,07	2,03	-	3,07	-
- food waste	2,60	0,86	1,74	-	0,86	-
- leaf, etc.	2,14	2,12	0,02	-	2,12	-
- etc	0,36	0,09	0,27	-	0,09	-

2. Monthly Organic Waste Generation Data

Month/ 2026	Organic (kg)	Food Waste (kg)	Leaf Waste (kg)	Others (kg)
Januari	550	200	320	30
Februari	587	205	352	30
Maret	640	256	352	32
April	1.293	200	1.093	-
Total	3.070	861	2.117	92

Description:

During the January–April 2026 reporting period, Polibatam generated a total of 3.07 tons of organic waste, consisting of 0.86 tons of food waste, 2.12 tons of leaf and garden waste, and 0.09 tons of other organic waste. Leaf and garden waste represented the largest proportion, reflecting the campus's extensive green areas and routine landscape maintenance. The higher volume recorded in April (approximately 1,093 kg of leaf and garden waste) corresponds to scheduled tree-pruning and landscaping activities carried out that month.

All organic waste is managed through source segregation and treated at the Integrated Waste Processing Facility (TPST), where it is processed into compost and reused for landscaping, tree maintenance, and the upkeep of green open spaces. During the period, 100% of the organic waste generated was treated and diverted from landfill (see files 3.7 and 3.8).

The composting program is supported by leaf-composting nets, biopore infiltration holes, and routine collection of organic materials across campus, reinforcing resource recovery and circular-economy practices as part of Polibatam's Green Campus commitment.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.6] Total volume organic waste produced last year

a. Organic Waste Generation Summary for 2025

Type of waste	amount (ton)					
	Produced		reduced	Treated		
	Last year (2025)	This Year (2026)		reused	down-cycled	up-cycled
organic	5,10	3,07	2,03	-	3,07	-
- food waste	2,60	0,86	1,74	-	0,86	-
- leaf, etc.	2,14	2,12	0,02	-	2,12	-
- etc	0,36	0,09	0,27	-	0,09	-

b. Monthly Organic Waste Generation Data (January–December 2025)

Month/ 2025	Organic (kg)	Food Waste (kg)	Leaf Waste (kg)	Others (kg)
Januari	440	220	190	30
Februari	410	210	170	30
Maret	450	230	190	30
April	420	210	180	30
Mei	430	220	180	30
Juni	410	210	170	30
Juli	450	230	190	30
Agustus	430	220	180	30
September	420	210	180	30
Oktober	420	210	180	30
November	440	230	180	30
Desember	380	200	150	30
Total	5100	2600	2140	360

Description:

In 2025, Polibatam recorded approximately 2.60 tons of food waste, 2.14 tons of leaf and garden waste, and 0.36 tons of other organic waste, resulting in a total of 5.10 tons of organic waste generated on campus. Food waste represented the largest proportion of the total organic waste, mainly originating from campus dining facilities, meetings, and daily campus activities.



All organic waste generated from campus activities was managed through waste segregation and treatment programs operated by the Integrated Waste Processing Facility (TPST). The collected organic waste was processed into compost and reused for landscaping, tree maintenance, and the management of campus green spaces.

The composting program was supported by routine collection of food waste and leaf litter, composting facilities, and organic waste management initiatives implemented across the campus. Through these efforts, Polibatam successfully reduced 2.03 tons of organic waste and diverted a significant portion of organic materials from landfills.

These initiatives demonstrate Polibatam's commitment to sustainable waste management, resource recovery, and the implementation of circular economy principles to support a greener and more environmentally friendly campus.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.7] Total volume organic waste treated this year

Type of waste	amount (ton)					
	Produced		reduced	Treated		
	Last year (2025)	This Year (2026)		reused	down-cycled	up-cycled
organic	5,10	3,07	2,03	-	3,07	-
- food waste	2,60	0,86	1,74	-	0,86	-
- leaf, etc.	2,14	2,12	0,02	-	2,12	-
- etc	0,36	0,09	0,27	-	0,09	-

Description:

During the January–April 2026 period, Polibatam treated a total of 3.07 tons of organic waste through its campus organic waste management system and the Integrated Waste Processing Facility (TPST). The treated waste consisted of 0.86 tons of food waste, 2.12 tons of leaf and garden waste, and 0.09 tons of other organic waste.

All collected organic waste was processed through composting activities and reused as compost fertilizer for landscaping, tree maintenance, and the management of green open spaces across the campus. As a result, the entire volume of organic waste treated during the reporting period was diverted from landfills and converted into valuable resources that support campus sustainability initiatives.

The organic waste treatment program is supported by waste segregation at the source, routine collection of organic materials, leaf composting facilities, and biopore installations throughout the campus. These initiatives help reduce environmental impacts, improve resource recovery, and promote the implementation of circular economy principles within the campus community.

Through continuous monitoring and treatment efforts, Polibatam remains committed to improving organic waste management performance and creating a cleaner, greener, and more sustainable campus environment.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.8] Organic Waste Treatment (WS.3)



Organic Waste Shredding Process at the TPST

**Description:**

Polibatam treats the large majority of its organic waste on site—effectively 100% of the volume generated (3.07 tons in January–April 2026; see file 3.7)—through an integrated system operated by the campus Integrated Waste Processing Facility (TPST). This places organic-waste handling in the "extensive treatment" category, with virtually no organic waste sent to landfill.

The treatment follows a structured process. Organic waste—food waste, leaf litter, and other biodegradable materials—is segregated at source, collected on a routine schedule, and delivered to the TPST. There, materials are shredded to accelerate decomposition and processed through aerobic composting. Leaf and garden waste is additionally handled using leaf-composting nets installed around approximately 230 trees, supported by 10 biopore infiltration holes (≈ 4 m spacing) that promote in-situ decomposition and groundwater recharge. The compost is matured and screened before reuse.

The compost produced is applied as organic fertilizer for campus landscaping, tree maintenance, and the upkeep of green open spaces, closing the loop between waste generation and resource recovery. Treating organic waste on site reduces reliance on external disposal services, lowers methane emissions associated with landfilling, and maintains soil fertility across the campus's green areas without chemical inputs.

Treatment performance is verified through routine monitoring and monthly recording of organic-waste volumes, enabling continuous improvement. Collectively, these practices advance responsible consumption and production (SDG 12), climate action (SDG 13), and the protection of terrestrial ecosystems (SDG 15), reinforcing Polibatam's circular-economy commitment under its Green Campus agenda.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.9] Total volume inorganic waste produced this year

January-April 2026

Type of waste	Produced (ton)	Reduced (ton)	Treated (ton)	Reused	Down-cycled	Up-cycled
Inorganic Non-toxic	2.1880	2.1880	–	–	2.1880	–
- Paper	1.8870	1.8870	–	–	1.8870	–
- Soft Plastic	0.0010	0.0010	–	–	0.0010	–
- Hard Plastic	0.3000	0.3000	–	–	0.3000	–
Total	2.1880	2.1880			2.1880	

Description:

During the January–April 2026 reporting period, Polibatam produced a total of 2.188 tons of inorganic (non-toxic) waste, consisting of 1.887 tons of paper, 0.300 tons of hard plastic, and 0.001 tons of soft plastic. Paper accounted for the largest share, generated mainly from academic and administrative activities. (These figures correspond to the paper-and-plastic data reported in file 3.2.).

All inorganic non-toxic waste was segregated at source and diverted from landfill: 100% of the recorded volume (2.188 tons) was channelled to authorized recycling partners for recovery and down-cycling, with none disposed of by landfilling. This is supported by the campus 3R program and the Integrated Waste Processing Facility (TPST) described in file 3.1; treatment is reported in files 3.11 and 3.12.

Waste-generation data are recorded monthly to verify recovery performance and support continuous improvement, reinforcing Polibatam's resource-recovery and circular-economy practices under its Green Campus commitment.



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.10] Total volume inorganic waste produced last year

January-Desember 2025

Type of waste	amount (ton)					
	Produced		reduced	Treated		
	Last year	This Year		reused	down-cycled	up-cycled
inorganic non-toxic	6.278	2.188	2.188		2.188	
- paper	5.884	1.887	1.887		1.887	
- soft plastic	0.001	0.001	0.001		0.001	
- hard plastic	0.393	0.300	0.300		0.300	

Description:

In 2025, Polibatam produced a total of 6.278 tons of inorganic (non-toxic) waste over the full 12-month period (January–December), consisting of 5.884 tons of paper, 0.393 tons of hard plastic, and 0.001 tons of soft plastic. Paper was by far the dominant fraction, generated from academic, administrative, and operational activities. These figures provide the baseline against which the 2026 reporting period (2.188 tons in January–April; file 3.9) is compared—noting that the two periods are not directly comparable because 2025 covers twelve months and 2026 only four.

All inorganic non-toxic waste was managed through source segregation and a recovery-oriented chain rather than disposal. Paper and plastic were collected, sorted by type, and transferred or sold to authorized recycling partners for further processing and down-cycling, diverting effectively the entire recorded volume from landfill. Strengthened monitoring and recording during the year improved the accuracy and traceability of waste data across campus units.

This performance is enabled by Polibatam's waste infrastructure and partnerships: segregated waste bins distributed across campus, dedicated drop boxes for plastic bottles, collaboration with Free The Sea (FTS) for plastic recovery, and the Integrated Waste Processing Facility (TPST). Treatment of this waste stream is detailed in files



3.11 (volume treated) and 3.12 (treatment method, WS.4), while the corresponding paper-and-plastic figures appear in file 3.3.

By recovering paper and plastic instead of landfilling them, Polibatam conserves raw materials, reduces emissions associated with waste disposal, and advances sustainable cities and communities (SDG 11), responsible consumption and production (SDG 12), climate action (SDG 13), and reduced marine pollution (SDG 14)—reinforcing its circular-economy commitment under the Green Campus agenda.

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Country : Indonesia
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[3] Waste (WS)

[3.11] Total volume inorganic waste treated this year

January-April 2026

Type of waste	amount (ton)					
	Produced		reduced	Treated		
	Last year	This Year		reused	down-cycled	up-cycled
inorganic non-toxic	6.278	2.188	2.188		2.188	
- paper	5.884	1.887	1.887		1.887	
- soft plastic	0.001	0.001	0.001		0.001	
- hard plastic	0.393	0.300	0.300		0.300	

Description:

During the January–April 2026 reporting period, Polibatam treated 2.188 tons of inorganic (non-toxic) waste—1.887 tons of paper, 0.300 tons of hard plastic, and 0.001 tons of soft plastic—representing a 100% treatment rate of the inorganic non-toxic waste generated in the same period (file 3.9). None of this waste stream was sent to landfill.

Treatment follows a recovery-oriented chain rather than disposal. Waste is segregated at source into dedicated bins, collected on a routine schedule, and sorted by type: paper is bundled and stored, while plastic is separated into hard and soft fractions to improve recycling efficiency. The sorted materials are then transferred or sold to authorized recycling partners for further processing and down-cycling, while plastic bottles are recovered through dedicated drop boxes in collaboration with Free The Sea (FTS).

As a result, effectively the entire recorded volume was diverted from landfill through recycling and down-cycling. Each transfer is documented through handover records and receipts from recycling partners, ensuring traceability, and waste volumes are recorded monthly to verify performance and support continuous improvement.

By recovering paper and plastic instead of landfilling them, Polibatam conserves raw materials, reduces emissions associated with waste disposal, and advances sustainable cities and communities (SDG 11), responsible



consumption and production (SDG 12), climate action (SDG 13), and reduced marine pollution (SDG 14). The treatment method is described in detail in file 3.12 (Inorganic Waste Treatment, WS.4).

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[3] Waste (WS)

[3.12] Inorganic Waste Treatment (WS.4)



Paper and Plastic waste sorting



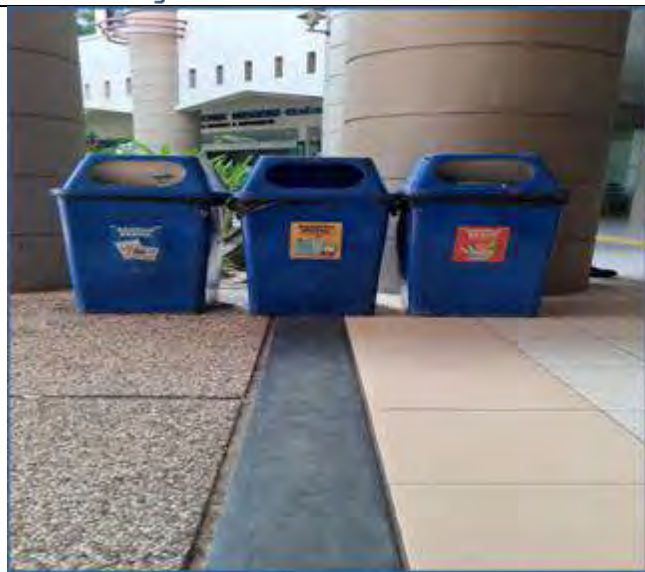
Paper and Plastic waste transporting



Paper Waste Sortir



Carton Waste Sorting



Waste Sorting



Plastic Waste Sorting



Collaboration with FTS for plastic waste processing



Drop Box [\[3.1\] Dropbox.xlsx](#)

Description:

Polibatam treats the large majority of its inorganic (non-toxic) waste—effectively 100% of the volume generated (2.188 tons in January–April 2026; files 3.9 and 3.11)—through an integrated, recovery-oriented management system rather than landfill disposal. This places the inorganic waste stream firmly in the "extensive treatment" category.

The treatment follows a documented chain. Paper and plastic generated from academic and administrative activities are segregated at source, collected, and consolidated in designated storage areas before sorting. Paper and carton are bundled and stored, while plastic is separated by type (hard and soft) to maximize recycling efficiency. The sorted materials are then transported to authorized recycling partners for further processing and down-cycling, ensuring that recoverable materials re-enter the production cycle instead of being discarded.

Plastic-bottle recovery is strengthened through dedicated drop boxes placed at several strategic campus locations, with collected bottles managed in partnership with Free The Sea (FTS), an environmental organization specializing



in plastic-waste collection and recycling. Together with campus-wide segregated bins and the Integrated Waste Processing Facility (TPST), this infrastructure enables consistent, traceable handling of the inorganic waste stream.

Each transfer to recycling partners is supported by handover records, and waste volumes are recorded monthly to verify recovery performance and drive continuous improvement. By recovering paper and plastic at scale, Polibatam reduces landfill dependence, conserves raw materials, and advances sustainable cities and communities (SDG 11), responsible consumption and production (SDG 12), climate action (SDG 13), and reduced marine pollution (SDG 14), reinforcing its circular-economy commitment under the Green Campus agenda.

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University : Politeknik Negeri Batam
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[3] Waste (WS)

[3.13] Total volume toxic waste produced this year

January-Juni 2026

Type of waste	Last Year (2025)	This Year (2026)	Reduced (ton)	Treated (ton)	Reused	Down-cycled	Up-cycled
Toxic Waste	0.181	0.245	0.000	0.245	—	—	—
- Mix Chemical Acid	0.001	0.040	0.000	0.040	—	—	—
- Etching Waste	0.000	0.200	0.000	0.200	—	—	—
- PCB	0.180	0.005	0.000	0.005	—	—	—
Total	0.181	0.245	0.000	0.245	—	—	—

Description:

During the 2026 reporting period, Polibatam produced approximately 0.245 tons of toxic (hazardous/B3) waste, generated from laboratory, research, and technical activities. The waste comprised 0.200 tons of etching waste, 0.040 tons of mixed chemical-acid waste, and 0.005 tons of printed circuit board (PCB) waste. Etching waste formed the largest fraction, reflecting the campus's electronics and engineering practicums. For comparison, total hazardous-waste generation in 2025 was 0.181 tons (file 3.14).

All hazardous waste is handled in accordance with applicable environmental and occupational-safety regulations. Each waste type is identified, segregated, clearly labelled by category and hazard, securely packaged to prevent leaks or spills, and temporarily stored in a designated hazardous-waste storage facility (TPS Limbah B3) before being transferred to a licensed hazardous-waste transporter and an authorized B3 treatment facility. Every transfer is accompanied by an official manifest to ensure traceability and regulatory compliance.

Hazardous-waste generation is monitored and recorded to support accurate reporting, risk control, and continuous improvement. Treatment of this stream is reported in file 3.15 (volume treated) and file 3.16 (treatment method, WS.5). These practices safeguard health and safety (SDG 3), prevent soil and water contamination (SDG 6), and support responsible production (SDG 12), reinforcing Polibatam's commitment to safe and sustainable waste management.

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University : Politeknik Negeri Batam
Country : Indonesia
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[3] Waste (WS)

[3.14] Total volume toxic waste produced last year

Type of waste	Last Year (2025)	This Year (2026)	Reduced (ton)	Treated (ton)	Reused	Down-cycled	Up-cycled
Toxic Waste	0.181	0.245	0.000	0.245	—	—	—
- Mix Chemical Acid	0.001	0.040	0.000	0.040	—	—	—
- Etching Waste	0.000	0.200	0.000	0.200	—	—	—
- PCB	0.180	0.005	0.000	0.005	—	—	—
Total	0.181	0.245	0.000	0.245	—	—	—

Description:

In 2025, Polibatam produced a total of 0.181 tons of toxic (hazardous/B3) waste, consisting of 0.180 tons of printed circuit board (PCB) waste and 0.001 tons of mixed chemical-acid waste. PCB waste represented the largest proportion, reflecting the laboratory, practicum, research, and technical activities that support teaching and innovation on campus. These figures cover the full year and serve as the baseline for the 2026 reporting period (0.245 tons; file 3.13).

All hazardous waste generated during the year was handled in accordance with applicable environmental and occupational-safety regulations. Each waste type was identified, segregated, labelled by category and hazard, securely packaged, and temporarily stored in a designated hazardous-waste storage facility (TPS Limbah B3) before being transferred to a licensed transporter and an authorized B3 treatment facility, accompanied by an official manifest to ensure traceability and regulatory compliance.

Hazardous-waste generation was monitored and recorded regularly to support accurate reporting and to identify opportunities for waste reduction and improved management performance. Treatment of this stream is reported in files 3.15 (volume treated) and 3.16 (treatment method, WS.5). These practices protect health and safety (SDG 3), prevent soil and water contamination (SDG 6), and support responsible production (SDG 12), reinforcing Polibatam's commitment to safe and sustainable hazardous-waste management.

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University : Politeknik Negeri Batam
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[3] Waste (WS)

[3.15] Total volume toxic waste treated this year

Type of waste	Last Year (2025)	This Year (2026)	Reduced (ton)	Treated (ton)	Reused	Down- cycled	Up- cycled
Toxic Waste	0.181	0.245	0.000	0.245	—	—	—
- Mix Chemical Acid	0.001	0.040	0.000	0.040	—	—	—
- Etching Waste	0.000	0.200	0.000	0.200	—	—	—
- PCB	0.180	0.005	0.000	0.005	—	—	—
Total	0.181	0.245	0.000	0.245	—	—	—

Description:

During the 2026 reporting period, Polibatam treated a total of 0.245 tons of toxic (hazardous/B3) waste, comprising 0.200 tons of etching waste, 0.040 tons of mixed chemical-acid waste, and 0.005 tons of printed circuit board (PCB) waste. This represents a 100% treatment rate of the hazardous waste generated in the same period (file 3.13), meaning no hazardous waste was left untreated beyond regulated temporary storage. Etching waste accounted for the largest share, reflecting electronics and engineering practicum activities.

All hazardous waste was identified, segregated, recorded, and managed according to its characteristics and potential risks. It was securely packaged and labelled, temporarily stored in the designated hazardous-waste storage facility (TPS Limbah B3), and then transferred to a licensed hazardous-waste transporter and an authorized treatment/disposal facility in accordance with applicable environmental regulations.

Each transfer is accompanied by an official manifest and supporting documents, ensuring full traceability "from cradle to grave," and treatment activities are monitored and documented to maintain compliance with environmental, health, and safety requirements. Through proper treatment and disposal, Polibatam minimizes environmental and occupational risks, protecting health and safety (SDG 3), preventing soil and water contamination (SDG 6), and supporting responsible production (SDG 12). The treatment method is detailed in file 3.16 (Toxic Waste Treatment, WS.5).

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Web Address : <https://www.polibatam.ac.id/>

[3] Waste (WS)

[3.16] Toxic Waste Treatment (WS.5)

The generated hazardous waste (B3) is managed in accordance with proper environmental and safety procedures. Each type of waste is carefully handled through a systematic process that includes secure packaging to prevent leaks or spills, clear labeling to identify the waste category and potential hazards, and temporary storage in a designated, compliant facility. Once the waste is ready for disposal, it is transported by a licensed transporter to an authorized treatment or disposal site

**Certificate Of
Hazardous Waste Management**
No:2025/VIII/DAB-Cer/240

Waste Generator : Politeknik Negeri Batam
Address : Jl. Ahmad Yani Kec. Batam Kota
Transporter By : PT. Desa Armada Betiga
As described below :

Date Arrival	Waste Name	Manifest No.	Quantity
Aug 27, 2025	Mixed Chemical Acid	ALU 0037130	4 Drum

I certify, on behalf of the above reception facilities KPLI Kabil Batam, that the above described waste has been receipt on the date listed above.

Batam, 29 August 2025


SOPINGI
Director

**DOKUMEN LAMBAH B3
(HAZARDOUS WASTE MANIFEST)**

No: 0037130

Waste Generator: Politeknik Negeri Batam
Address: Jl. Ahmad Yani Kec. Batam Kota
Transporter: PT. Desa Armada Betiga

Waste Name: Mixed Chemical Acid
Quantity: 4 Drum

Manifest No: ALU 0037130

Received at: KPLI Kabil Batam

Received by: [Signature]

Received on: 29 August 2025

Director: [Signature]

Toxic Waste Treatment Document

Toxic Waste Treatment Document (Manifest)



Description:

Polibatam manages effectively 100% of its toxic (hazardous/B3) waste through a fully compliant, end-to-end system, while the total volume generated remains minimal (0.245 tons in 2026; files 3.13 and 3.15). This combination of complete treatment and low generation places the hazardous-waste stream in the highest performance category.

On campus, hazardous waste from laboratories, research, and technical operations is identified and segregated according to its characteristics and risk, securely packaged to prevent leaks or spills, and clearly labelled by category and hazard. It is then held in a designated hazardous-waste storage facility (TPS Limbah B3) that complies with regulatory requirements, and only within the permitted maximum storage period before onward transfer.

Off-site handling is carried out exclusively through licensed parties: a licensed hazardous-waste transporter collects the waste and delivers it to an authorized (permitted) B3 treatment and disposal facility. Each shipment is accompanied by an official manifest and supporting documents, providing complete "cradle-to-grave" traceability and verifiable regulatory compliance. Hazardous-waste types handled include laboratory chemical waste, etching waste, and electronic (PCB) waste.

Through proper segregation, packaging, documentation, storage, transport, and treatment, Polibatam minimizes environmental and occupational risks and prevents hazardous materials from contaminating the surrounding environment. Treatment activities are monitored and documented to sustain compliance, supporting good health and well-being (SDG 3), clean water (SDG 6), and responsible production (SDG 12).

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[3] Waste (WS)

[3.17] Sewage Disposal (WS.6)



Campus Retention Pond (414.78 m²) for Wastewater and Stormwater Management

Description:

Polibatam manages its campus sewage through decentralized Sewage Treatment Plants (STPs) installed in major buildings, including the Hanggar, Tower A, and Technopreneur Centre. Domestic wastewater generated from campus activities is treated at these STPs before being discharged or reused, ensuring that sewage undergoes proper biological (secondary) treatment rather than being released untreated.

The treatment chain is recovery-oriented: wastewater is collected and processed at each building's STP, after which the treated effluent is conveyed to a centralized storage and equalization pond. Before reuse, the collected effluent undergoes an additional filtration (polishing) stage, and the recycled water is then used for non-potable purposes such as toilet flushing and landscape irrigation. This decentralized treat-and-reuse approach reduces both freshwater demand and the volume of effluent discharged to the environment (see files 4.3 and 4.6).

In parallel, stormwater and surface runoff are managed through an integrated drainage system that includes a retention pond of approximately 414.78 m². The retention pond temporarily stores runoff to regulate water flow,



prevent flooding, and support sedimentation and natural water-quality improvement before water is further managed through the drainage infrastructure.

Polibatam maintains and monitors these facilities as part of its sustainable water- and wastewater-management commitment. Routine monitoring—supported by periodic effluent-quality testing—verifies treatment performance and regulatory compliance, contributing to clean water and sanitation (SDG 6), sustainable campus infrastructure (SDG 11), and the protection of water bodies from pollution (SDG 14).

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[3] Waste (WS)

[3.18] Impact of Waste Management programs in supporting the Sustainable Development Goals (SDGs)

Leaf Compost Net	Biopore
	
Total Installed Leaf Compost Nets: 230 Trees	Total Biopore: 10 Units Average Spacing: 4 Meters



Paper and Plastic waste sorting



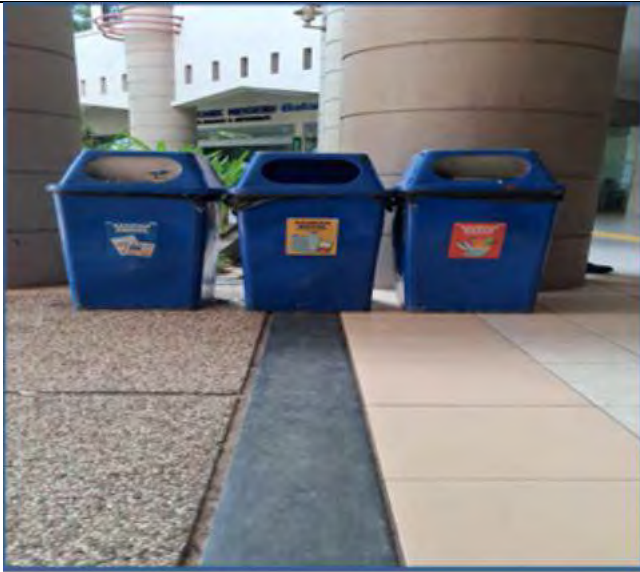
Paper and Plastic waste transporting



Paper Waste Sortir



Carton Waste Sorting



Waste Sorting



Plastic Waste Sorting



Collaboration with FTS for plastic waste processing



Drop Box [Dropbox](#)



Polibatam implements an organic waste management program by converting organic waste into compost

Description:



Polibatam's integrated waste-management program delivers measurable contributions to the Sustainable Development Goals (SDGs) across the full waste hierarchy—reduction, segregation, recovery, and safe treatment. The campus operates a source-segregation system for organic, inorganic, and hazardous waste, supported by the Integrated Waste Processing Facility (TPST), composting infrastructure, recycling partnerships, and compliant hazardous-waste handling.

The impact is demonstrated by concrete results during the reporting period: effectively 100% of organic waste (3.07 tons) was composted and reused on campus; effectively 100% of inorganic non-toxic waste (2.188 tons) was recovered through recycling and down-cycling; and 100% of the minimal hazardous waste generated (0.245 tons) was treated through licensed channels. Organic processing is reinforced by leaf-composting nets around approximately 230 trees and 10 biopore infiltration holes; plastic recovery is strengthened through 6 drop boxes and a partnership with Free The Sea (FTS); and single-use plastics are reduced in canteens, vending, and events, while administrative digitalization further cuts paper use.

Polibatam implements an organic waste management program by converting organic waste into compost, which is then used to cultivate water spinach (kangkung) within the campus environment. This initiative reflects the principles of a circular economy by transforming waste into valuable resources, reducing the volume of organic waste sent to disposal sites, and promoting sustainable agricultural practices.

The program contributes significantly to SDG 2 (Zero Hunger) by supporting local food production and encouraging sustainable farming methods. It also supports SDG 3 (Good Health and Well-being) through the creation of a cleaner and healthier campus environment, while providing access to fresh and nutritious vegetables. In addition, the initiative indirectly contributes to SDG 1 (No Poverty) by lowering cultivation costs through the use of self-produced organic fertilizer and creating potential economic value from waste utilization activities.

These efforts directly support **SDGs 1,2,3, 4, 6, 9, 11, 12, 13, 14, 15, and 17**, and contribute indirectly to others, including:

- **SDG 3** – Reducing health risks through safe waste handling and sanitation
- **SDG 4** – Educating students about sustainable materials management
- **SDG 6** – Preventing water contamination through proper waste disposal
- **SDG 9** – Driving innovation in waste treatment and recycling technology
- **SDG 11** – Advancing sustainable campus infrastructure and communities
- **SDG 12** – Promoting responsible consumption and waste reduction
- **SDG 13** – Lowering emissions from waste and enhancing climate action
- **SDG 14** – Minimizing land and marine pollution from solid waste
- **SDG 15** – Protecting ecosystems through sustainable waste practices
- **SDG 17** – Building waste partnerships for policy and practice improvement

Additional Evidence:

<https://www.instagram.com/p/DaKRXvTjt4I/?igsh=ZGRicnRhOXFwbmho>



WATER

- 6. Clean Water and Sanitation
- 14. Life Below Water
- 15. Life on Land
- 17. Partnerships for The Goals



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[4] Setting and Infrastructure (SI)

[4.1] Total area on campus for water absorption besides the forest and planted vegetation[WR1]

Polibatam has implemented various infrastructures that support water absorption and sustainable stormwater management across the campus. Permeable paving blocks are utilized in several pedestrian and parking area, circulation areas to allow rainwater to infiltrate directly into the soil, while open soil areas are maintained as natural infiltration zones. In addition, biopore infiltration holes have been installed at strategic locations to enhance groundwater recharge and reduce surface runoff during rainfall events.

To further strengthen the campus water absorption system, Polibatam operates synthetic sports fields equipped with drainage systems designed to channel rainwater into the campus drainage network and subsequently to rainwater retention ponds. This integrated approach not only improves stormwater management and reduces the risk of localized flooding but also supports efforts to preserve the natural hydrological cycle within the campus environment.



Figure 1. Biopore Infiltration Holes

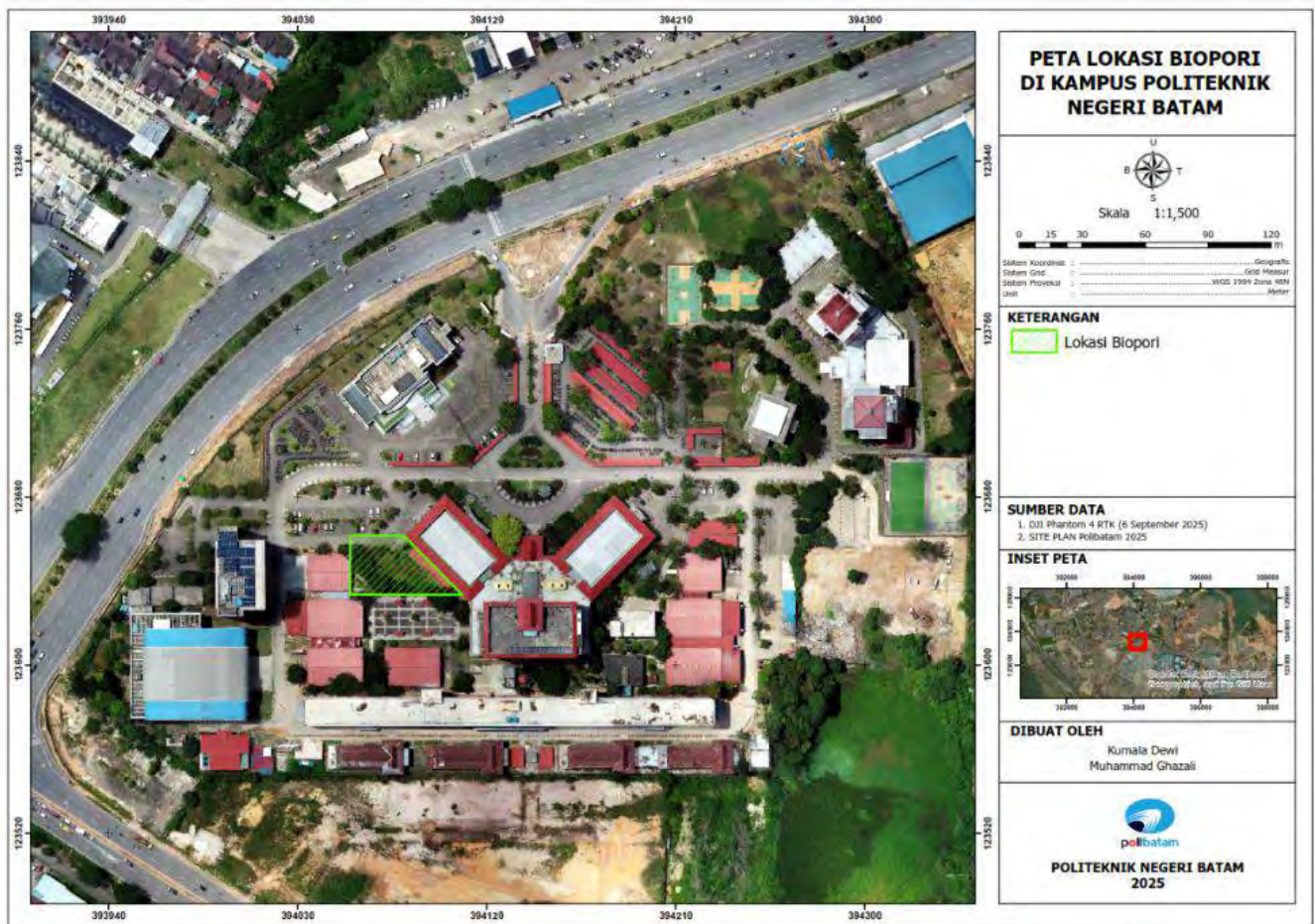


Figure 2. Biopore Locations on Campus Site Plan



Figure 3. Syntethic Sport Field



Figure 4. Green areas and paving blocks area





Seluruh lingkungan Polibatam untuk jalannya menggunakan paving block



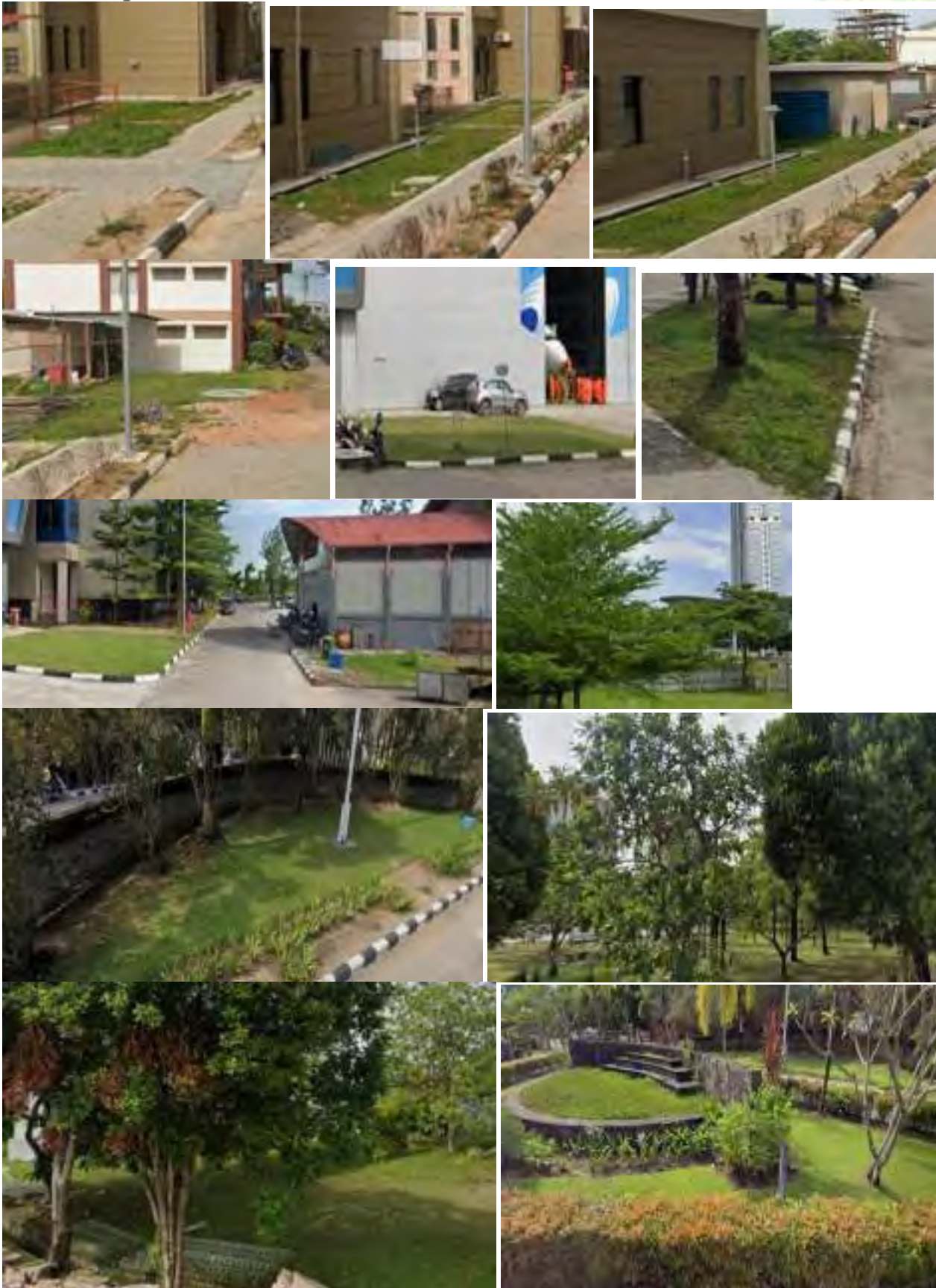


Table 1. Water Absorption Area

No.	Land Use Type	Area (m²)
1	Paving block for pedestrian	7.843,17
2	Paving block for parking area	11.886,52
3	Biopore	1.025,25
4	synthetic sports fields	1.471,92
5	Open soil area	24.536,56
Total		46.762,46

Overall, the implementation of permeable paving, open soil areas, biopores, and synthetic fields with integrated drainage demonstrates Polibatam's commitment to enhancing water infiltration capacity and promoting sustainable water management practices. Based on the campus inventory and measurements, the total area dedicated to water absorption under this indicator is 53.242,96 m², representing 56,34 % of the total campus area

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[4] Setting and Infrastructure (SI)

[4.2] Water Conservation Program Implementation (WR.2)

Polibatam has established an integrated water conservation program to support sustainable water resource management throughout the campus. The program encompasses the installation of biopores to improve groundwater infiltration, the utilization of treated effluent from the Sewage Treatment Plant (STP) for non-potable purposes such as toilet flushing and landscape irrigation, and the construction of rainwater retention ponds to harvest and optimize the use of rainfall. Furthermore, Polibatam consistently promotes responsible water consumption among members of the campus community through awareness initiatives and regular dissemination of water-saving practices.



Figure 1. Water Conservation Campaign



Figure 2. Rainwater Ponds



Figure 3. Biopores

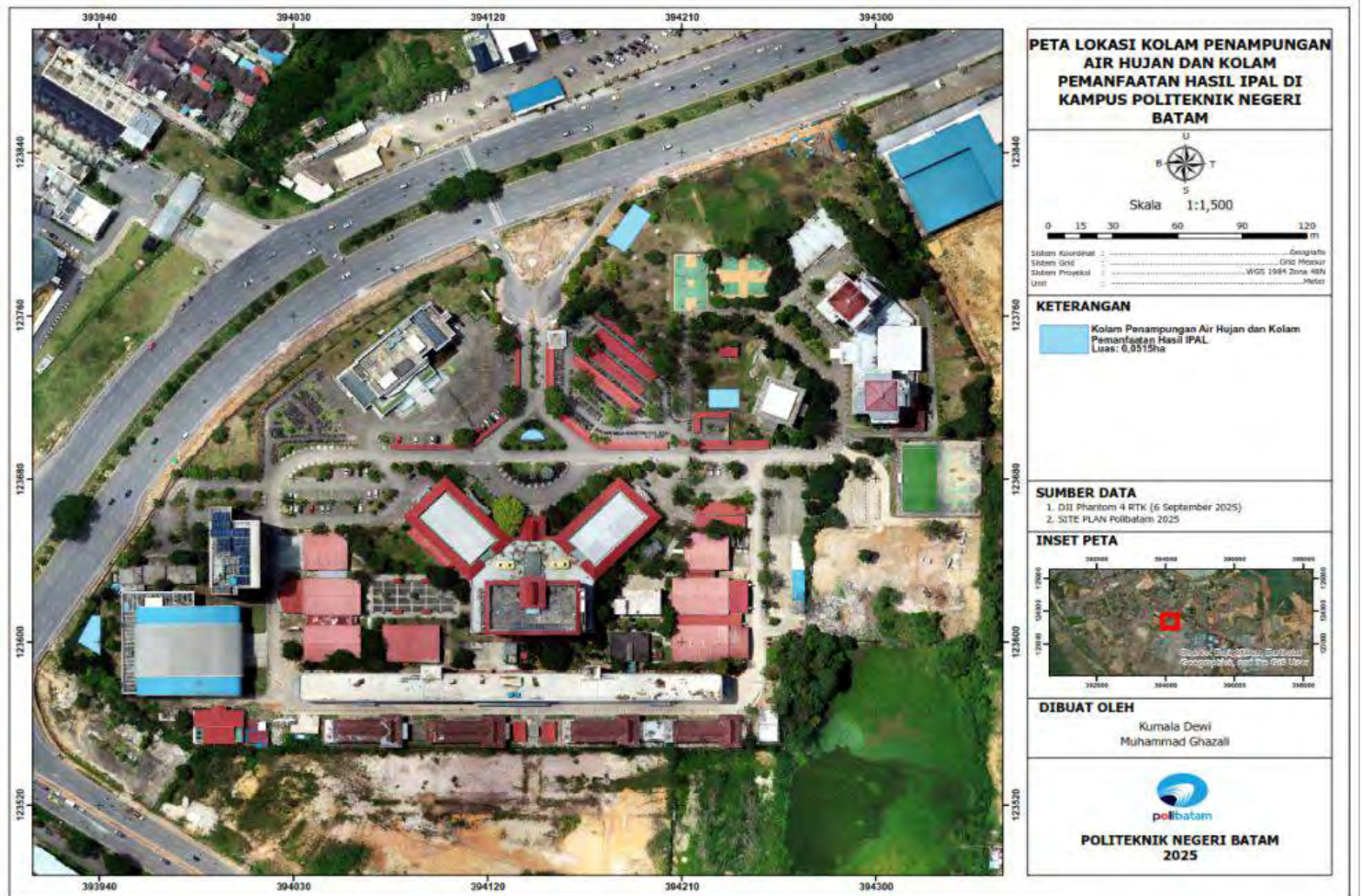


Figure 4. Rainwater Ponds area on Polibatam siteplan

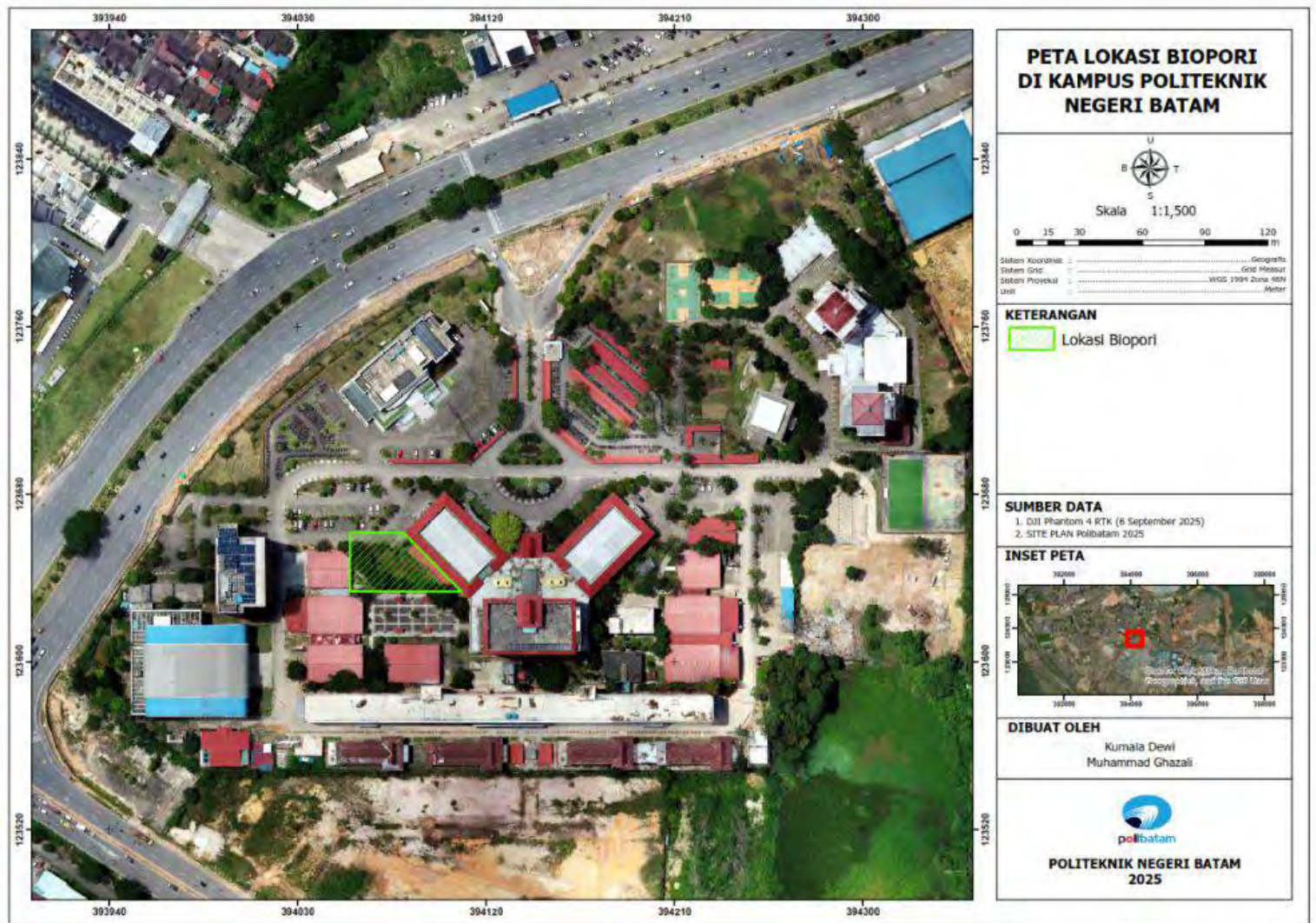


Figure 5. Biopore Locations on Polibatam Site Plan

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[4] Water (WR)

[4.3] Water Recycling Program Implementation (WR.3)

Polibatam implements a water recycling program by reusing treated effluent generated from three Sewage Treatment Plants (STPs) located across the campus (Hanggar, Tower A and Technopreneur Centre). The treated effluent from each STP is conveyed to a centralized storage pond, which serves as a collection and equalization facility before the water undergoes further treatment and reuse. This integrated system enables the campus to optimize the utilization of treated wastewater and reduce dependence on freshwater sources for non-potable applications.

Prior to reuse, the collected effluent is subjected to an additional filtration process using sand and activated carbon media to improve its quality. The treatment system is further supported by a dosing pump that provides chemical conditioning to ensure the recycled water meets the required standards for its intended use. The treated recycled water is subsequently distributed and utilized for non-potable purposes within the campus, contributing to more efficient water resource management and supporting Polibatam's commitment to sustainable water practices.



Figure 1. Water Recycling Process



Tabel 1. Total number water Efficient appliances

Appliance	Total Number	Total number water Efficient appliances
Toilet	6	3 liter/flush 50x usage/day = 3 x 50 x 6 = 900 liter/day = 27.000L/mont h= 27 m3/month
Plant Watering	200	10 L x 200 x 30 days = 60.000 L/month = 60 m3

Tabel 1. Total number water Used

No	Month	Water Used Monthly (m ³)
1	May-25	596
2	Jun-25	651
3	Jul-25	1052
4	Aug-25	848
5	Sep-25	862
6	Oct-25	917
7	Nov-25	917
8	Dec-25	890
9	Jan-26	906
10	Feb-26	3936
11	Mar-26	3542
12	Apr-26	3470
Avarage		1548,92

Overall, the implementation of the campus water recycling system demonstrates Polibatam's commitment to promoting circular water management through the collection, treatment, and reuse of treated wastewater for non-potable applications. Based on operational records, approximately **87 m³** of reclaimed water was reused during the reporting period, while the total campus water consumption was **1548,92 m³**. This represents approximately **5,616 %** of the total annual water consumption. Although the current proportion of recycled water utilization remains relatively small, the existing infrastructure—including three decentralized STPs, a centralized reclaimed water storage pond, and a dedicated reuse distribution network—provides a strong foundation for expanding water reuse applications in the future. Polibatam remains committed to continuously increasing the utilization of reclaimed water to reduce dependence on freshwater resources and strengthen sustainable water management across the campus.

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[4] Water (WR)

[4.4] Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.) (WR.4)

Polibatam implements water efficiency measures by integrating water-saving fixtures into campus buildings and facilities to reduce potable water consumption while maintaining user comfort and functionality. These initiatives include the use of self-closing taps that automatically stop water flow after a few seconds of operation, low-flow faucets that limit water discharge, and dual-flush toilet systems that allow users to select the appropriate flushing volume according to their needs.



(a)



(b)



(c)

Figure 1. Water Efficient Appliances Usage : (a) Toilet Dual Flush, (b) Automatic Taps, (c) Low-flow Faucets

Description:

Some examples of water conservation measures include, cisternisers (automatic control of urinal flushing), waterless urinals, low flush WC's and low flo taps and automatic taps.

Appliance	Total Number	Total number water Efficient appliances	Percentage
Toilet Dual flush	250	150	60%
Wastafel low flow faucet and automatically stop water flow	150	100	66%
		Average Percentage	63%

Polibatam implements water efficiency measures by integrating water-saving fixtures into campus buildings and facilities to reduce potable water consumption while maintaining user comfort and functionality. These initiatives include the use of self-closing taps that automatically stop water flow after a few seconds of operation, low-flow faucets that limit water discharge, and dual-flush toilet systems that allow users to select the appropriate flushing volume according to their needs.

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[4] Water (WR)

[4.5] Consumption of Treated Water [WR5]

Polibatam utilizes treated water generated through its campus water recycling system as an alternative water source for selected non-potable applications. Recycled water collected from the centralized storage pond is distributed for toilet flushing in six toilet units within the Technopreneur Building and for landscape irrigation activities across the campus. Through this initiative, Polibatam seeks to reduce its reliance on freshwater resources while promoting the efficient use of treated wastewater as part of an integrated and sustainable water management strategy.

Tabel 1. Data of Monthly Water Consumption

Month	Total Water Consumption (m ³)
Apr-25	586
May-25	596
Jun-25	651
Jul-25	1052
Aug-25	848
Sep-25	862
Oct-25	917
Nov-25	917
Dec-25	890
Jan-26	904
Feb-26	3931
Mar-26	3550
Apr-26	3470
Average	2057

Tabel 2. Utilization of Treated Water Uses

Application		Basis of Calculation	Monthly Treated Water Consumption (m ³)
Toilet Flushing (Technopreneur Building)		6 toilet units × 3 L/flush × 50 flushes/day × 30 days = 27,000 L/month	27
Landscape Irrigation		200 plants × 10 L/plant/day × 30 days = 60,000 L/month	60
		Total Treated Water Consumption	87
		Average Monthly Campus Water Consumption	2.057
		Percentage of Treated Water Utilization	4,23%

Overall, the consumption of treated water reflects Polibatam's commitment to optimizing alternative water resources and reducing the demand for freshwater on campus. Based on operational records, a total of 87 m³ of treated water was utilized annually for toilet flushing and landscape irrigation, while the average total campus water consumption during the same period was approximately 2.057 m³ per year. Therefore, treated water accounted for approximately 4,23 % of the total annual campus water consumption.

The records of campus water consumption used in this assessment are supported by official water utility bills, which can be accessed through the attached link below.

<https://bit.ly/billofwaterconsumption>



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[4] Water (WR)

[4.6] Water pollution control in campus area (WR.6)

Polibatam implements a comprehensive water pollution control program to prevent the discharge of contaminants into the campus environment and surrounding water bodies. Domestic wastewater generated from campus activities is treated through Sewage Treatment Plants (STPs) installed in each major building, ensuring that wastewater undergoes appropriate treatment before being discharged or reused. This decentralized treatment approach enables effective wastewater management across the campus while maintaining compliance with environmental protection principles and supporting sustainable water management practices.

In addition to domestic wastewater treatment, Polibatam applies strict controls for the management of hazardous liquid waste generated from laboratory and practical activities. Hazardous liquid waste (B3 waste) is prohibited from being disposed of through sinks or the wastewater drainage system. Instead, it is collected separately in designated storage containers (drums and intermediate bulk containers) and temporarily stored in accordance with applicable regulations before being transported and treated by licensed hazardous waste transporters and treatment facilities. This practice minimizes the risk of water pollution and prevents hazardous substances from entering the campus wastewater treatment system or the surrounding environment.

[illegible]

Figure 1. Monitoring Report



Figure 2. Waste Water Sampling at Polibatam

Description:

Planning : Polibatam plans to increase the number of Sewage Treatment Plant (STP) units in line with campus infrastructure development. In addition, the institution aims to enhance the capacity of recycled water utilization from the STP process for toilet flushing and landscape irrigation activities

Implementation : Polibatam has implemented a sustainable water management initiative by utilizing treated wastewater from the Sewage Treatment Plant (STP) for non-potable purposes such as toilet flushing and landscape irrigation.

Monitoring : T Polibatam has established a comprehensive monitoring program for the effluent quality from its STP. Regular testing and analysis are conducted to measure key water quality parameters such as pH, turbidity, BOD, COD, and microbial content.

Evaluation : The results of the monitoring activities and the effectiveness of water utilization are reviewed during unit performance evaluation meetings to assess progress and identify areas for improvement

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[4] Water (WR)

[4.7] Impact of Water Management programs in supporting the Sustainable Development Goals (SDGs)

Politeknik Negeri Batam (Polibatam) has established an integrated water management program that combines water conservation, water recycling, efficient water use, and water pollution prevention to support sustainable campus operations. The program includes the implementation of permeable paving, open infiltration areas, biopore systems, synthetic sports fields with integrated drainage, and rainwater retention ponds to enhance groundwater recharge and reduce surface runoff. In addition, treated effluent from three Sewage Treatment Plants (STPs) is collected in a centralized storage pond, undergoes additional treatment through sand and activated carbon filtration followed by chemical dosing, and is subsequently reused for toilet flushing and landscape irrigation. Water-efficient fixtures, including self-closing taps, low-flow faucets, and dual-flush toilets, are also installed throughout campus buildings to reduce potable water consumption, while decentralized STPs and proper hazardous liquid waste management prevent contaminants from entering the campus drainage system and the surrounding environment.

These integrated water management initiatives generate significant environmental, operational, and educational benefits while contributing directly to the achievement of the United Nations Sustainable Development Goals (SDGs). By improving groundwater recharge, promoting wastewater reuse, increasing water use efficiency, and preventing water pollution, Polibatam strengthens the sustainability and resilience of its campus water system. At the same time, these initiatives serve as practical learning resources for students and staff, demonstrating the application of sustainable water management technologies and fostering environmental awareness within the academic community.

The implementation of Polibatam's integrated water management program directly supports **SDG 6 – Clean Water and Sanitation** by improving water use efficiency, expanding wastewater treatment and reuse, and protecting water quality, as well as **SDG 12 – Responsible Consumption and Production** through the efficient utilization and recycling of water resources. Furthermore, the program contributes indirectly to several other Sustainable Development Goals, including:

- **SDG 3 – Good Health and Well-being:** Protecting public health by providing proper wastewater treatment and preventing water pollution.
- **SDG 4 – Quality Education:** Providing students with practical learning opportunities and a campus environment that demonstrates sustainable water management practices.

- **SDG 9 – Industry, Innovation and Infrastructure:** Implementing innovative infrastructure such as decentralized STPs, reclaimed water distribution systems, rainwater management facilities, and water-efficient technologies.
- **SDG 11 – Sustainable Cities and Communities:** Enhancing urban resilience through integrated stormwater management, groundwater recharge, and sustainable campus infrastructure.
- **SDG 13 – Climate Action:** Increasing climate resilience by reducing stormwater runoff, improving rainwater management, and reducing dependence on freshwater resources through wastewater reuse.
- **SDG 14 – Life Below Water:** Preventing untreated domestic wastewater and hazardous liquid waste from entering rivers and other aquatic ecosystems through effective wastewater treatment and responsible hazardous waste management.
- **SDG 15 – Life on Land:** Conserving terrestrial ecosystems by minimizing environmental contamination, enhancing groundwater replenishment, and protecting soil and surrounding natural habitats through integrated water management practices.

Through the continuous implementation and improvement of these initiatives, Polibatam demonstrates its long-term commitment to sustainable water resource management and reinforces its role in supporting the achievement of the Sustainable Development Goals at both the institutional and global levels.



TRANSPORTATION

➤ 11. Sustainable Cities and Communities

➤ 13. Climate Action

➤ 15. Life on Land

➤ 17. Partnerships for The Goals



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.4] The total number of vehicles (cars and motorcycles) divided by total campus' Population (TR.1)

No.	Vehicle	Total Number
1	Car managed by the university	21
2	Motorcycle managed by the university	2
2	Cars entering the university	350
3	Motorcycles entering the university	4000
	Total	4.373

$$5.4 = 4.373 / 5000 \text{ (population)} = 0.87$$

Description:

Politeknik Negeri Batam manages a limited number of official vehicles to support academic and operational activities, consisting of 21 cars and 2 motorcycles owned by the institution. In addition, an average of 350 cars and 4,000 motorcycles enter the campus daily, resulting in a total of 4,373 vehicles. When divided by the total campus population of approximately 5,000 people, the ratio is 1.87 vehicles per person.

To reduce dependency on private vehicles, the institution promotes sustainable transportation initiatives. These include the provision of campus shuttle buses connecting main buildings, designated pedestrian pathways, and bicycle facilities to encourage low-carbon mobility. Access control and parking management are supported by an ICT-based monitoring system to regulate vehicle entry and minimize congestion.

Through these efforts, Polibatam demonstrates its commitment to creating a green and efficient transportation system.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

[google.com/maps?sca_esv=94496da32a26b7ea&rlz=1C1ASVC_enID1151ID1151&output=search&q=map+polibatam&source=Inms&fbs=ABfTbFWHxUTwsLiip5v2SuoCb-WKvw96U4GFC393wb6LJGbqj6GE25jrEVrisT6WmhnNaqh4vXyLIBDtqPDUnZ2yMPPy_G2UZ2fRwp-Mc3m9dcf752LrOf7IJM0OcUMzDS-l1tAiYnz8LBKXjYb6mkiO5Clb83_Liq9nrpYWFqe2i-vGZ0e2cVgUPBLpzMreEqWmIgtSe-htu9NHF2zv0hpH2LUw5MA6mw&entry=mc&ved=1t:200715&ictx=111](https://www.google.com/maps?sca_esv=94496da32a26b7ea&rlz=1C1ASVC_enID1151ID1151&output=search&q=map+polibatam&source=Inms&fbs=ABfTbFWHxUTwsLiip5v2SuoCb-WKvw96U4GFC393wb6LJGbqj6GE25jrEVrisT6WmhnNaqh4vXyLIBDtqPDUnZ2yMPPy_G2UZ2fRwp-Mc3m9dcf752LrOf7IJM0OcUMzDS-l1tAiYnz8LBKXjYb6mkiO5Clb83_Liq9nrpYWFqe2i-vGZ0e2cVgUPBLpzMreEqWmIgtSe-htu9NHF2zv0hpH2LUw5MA6mw&entry=mc&ved=1t:200715&ictx=111)

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.5] Shuttle Services (TR.2)



Shuttle Services (Politeknik Negeri Batam)



Bus Timetable (Politeknik Negeri Batam)

Jadwal penggunaan mobil operasional Jan-April 2026

No	Hari	Tanggal	Kegiatan	Kendaraan
1	Selasa	13 Januari 2026	Akademik	Avanza
2	Selasa	13 Januari 2026	Tamu JICA	Avanza
3	Rabu	14 Januari 2026	BMNP	Innova
4	Sabtu-Minggu	17-18 Januari 2026	Akademik	Avanza
5	Senin-Minggu	19-31 Januari 2026	Tamu Glasgow	Innova

No	Hari	Tanggal	Kegiatan	Kendaraan
6	Jumat–Minggu	23–31 Januari 2026	Tim Expert Cina	Innova
7	Rabu	4 Februari 2026	Konsumsi Rombongan Wamen	Innova
8	Sabtu–Minggu	7–8 Februari 2026	Team Building	Etios
9	Sabtu–Minggu	7–8 Februari 2026	Team Building	Innova
10	Kamis–Jumat	12–13 Februari 2026	Akreditasi Lapangan	Innova
11	Minggu–Rabu	8–11 Februari 2026	Forum Kajor	Hiace
12	Rabu–Minggu	12–15 Februari 2026	Forum Direktur	Hiace
13	Rabu–Minggu	12–15 Februari 2026	Forum Direktur	Avanza
14	Rabu–Minggu	12–15 Februari 2026	Forum Direktur	Innova
15	Rabu–Minggu	12–15 Februari 2026	Forum Direktur	Etios
16	Minggu–Selasa	15–17 Februari 2026	Asrama	Avanza
17	Kamis	26 Februari 2026	Pengantaran Tim Kepegawaian Bimtek BPJS	Innova
18	Kamis	26 Februari 2026	Bank	Avanza
19	Jumat	13 Maret 2026	Pengabdian Masyarakat Pak Daniel	Hiace
20	Minggu–Rabu	5–8 April 2026	Asesor Akre ABT	Innova
21	Sabtu–Rabu	11–15 April 2026	GeoMatika PBL	Avanza
22	Rabu–Kamis	22–23 April 2026	Survei lapangan dan narasumber seminar DJKN Kemenkeu bersama Inixindo di Bapelkes Marina Batam	Avanza

Description:

Politeknik Negeri Batam operates several official vehicles, including Hiace, Innova, Avanza, and Altis, to support academic, administrative, and community activities. These vehicles are maintained on a monthly basis and serve various purposes such as industrial visits, accreditation logistics, guest transportation, community service programs, and student mobility to partner institutions or companies.

Although Politeknik Negeri Batam does not provide a dedicated shuttle service, the use of these official vehicles ensures efficient coordination between departments and supports inclusive mobility for students with disabilities and visiting lecturers. This fleet is managed by the Facilities and Infrastructure Unit through a centralized scheduling and monitoring system, with a primary focus on safety, fuel efficiency, and routine maintenance to ensure operational reliability.

Furthermore, given the compact size of the Polibatam campus—where most destinations can be easily reached by walking, cycling, or using an electric motorcycle—the absence of a shuttle system is a deliberate step toward sustainability. This policy supports the institution's commitment to reducing carbon emissions and promoting environmentally friendly transportation practices on campus.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. Movement to use public transportation



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.9] Zero Emission Vehicles (ZEV) availability on campus (TR.3)

		
Electric Car	Electric Car	
		
Electric Motor	Bicycle	



Motor listrik patroli



Motor listrik patroli

Description:

Politeknik Negeri Batam promotes sustainable transportation and carbon emission reduction through the provision and utilization of Zero Emission Vehicles (ZEVs) across campus. The university continuously encourages environmentally friendly mobility alternatives to reduce dependence on fossil-fuel-powered vehicles and support the development of a low-carbon campus environment.

Currently, Politeknik Negeri Batam provides several types of zero-emission transportation facilities, including electric cars, electric motorcycles, and bicycles. These vehicles are used to support campus operations, internal transportation, security patrol activities, and environmentally friendly mobility within the university area.

Based on the latest campus inventory, the available zero-emission vehicles consist of:

No	Zero Emission Vehicle Type	Total
1	Bicycle	1
2	Electric Vehicle	3
3	Electric Car	3

Electric motorcycles are primarily utilized for campus patrol and operational activities, helping reduce fuel consumption and greenhouse gas emissions associated with conventional vehicles. Electric cars support institutional mobility needs while demonstrating the university's commitment to adopting cleaner transportation technologies. Meanwhile, bicycles are provided to encourage active mobility and short-distance travel without generating emissions.

These initiatives are complemented by a pedestrian-friendly campus layout, open green spaces, and internal circulation routes that support walking and cycling. Together, these measures contribute to reducing the campus transportation carbon footprint and promoting sustainable transportation behavior among students, staff, and visitors.

The availability of electric vehicles and bicycles reflects Politeknik Negeri Batam's commitment to achieving a greener campus through the adoption of clean transportation technologies and environmentally responsible mobility practices.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

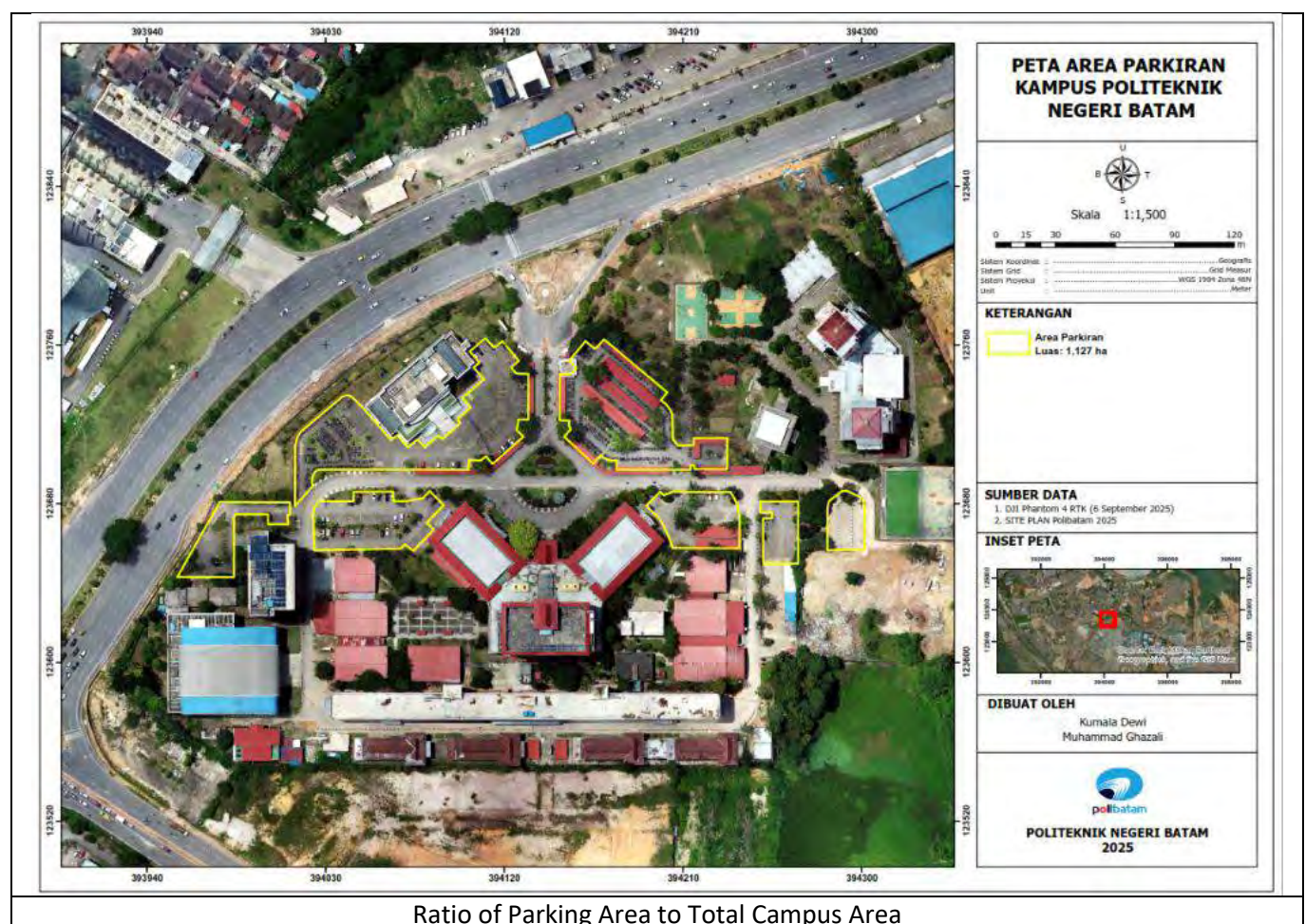
1. <https://www.polibatam.ac.id/pamdal-polibatam-patroli-keliling-lingkungan-kampus-pakai-motor-listrik/>
2. <https://www.polibatam.ac.id/dukung-program-kampus-hijau-polibatam-terima-2-motor-listrik-dari-bright-pln-batam/>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.12] Ratio of Parking Area to Total Campus Area (TR.5)



Ratio of Parking Area to Total Campus Area





Parking Area Campus 1



Parking Area Campus 2

Politeknik Negeri Batam manages parking facilities in a manner that supports sustainable transportation and efficient land utilization. The university seeks to balance the need for vehicle accommodation with the preservation of green spaces, pedestrian areas, and academic facilities, thereby minimizing the environmental impact of transportation infrastructure.

The distribution of parking areas is as follows:

No	Campus	Total Area (m2)	Parking Area (m2)	Ratio
1	Campus 1 (Batam Center)	75.471,84	7.814,87	10,35%
2	Campus 2 (Batam Indo)	7.525	195,75	2,60%
	Total	82.996,84	8.010,62	9,65%

The relatively small proportion of land used for parking demonstrates Politeknik Negeri Batam's commitment to sustainable campus development. Instead of expanding parking areas, the university encourages the use of alternative transportation such as walking, cycling, ride-sharing, electric vehicles, and public transportation.

Parking facilities are strategically located to ensure accessibility while preserving pedestrian pathways and green open spaces. These efforts help reduce traffic congestion, lower transportation-related emissions, and support the university's sustainability goals.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

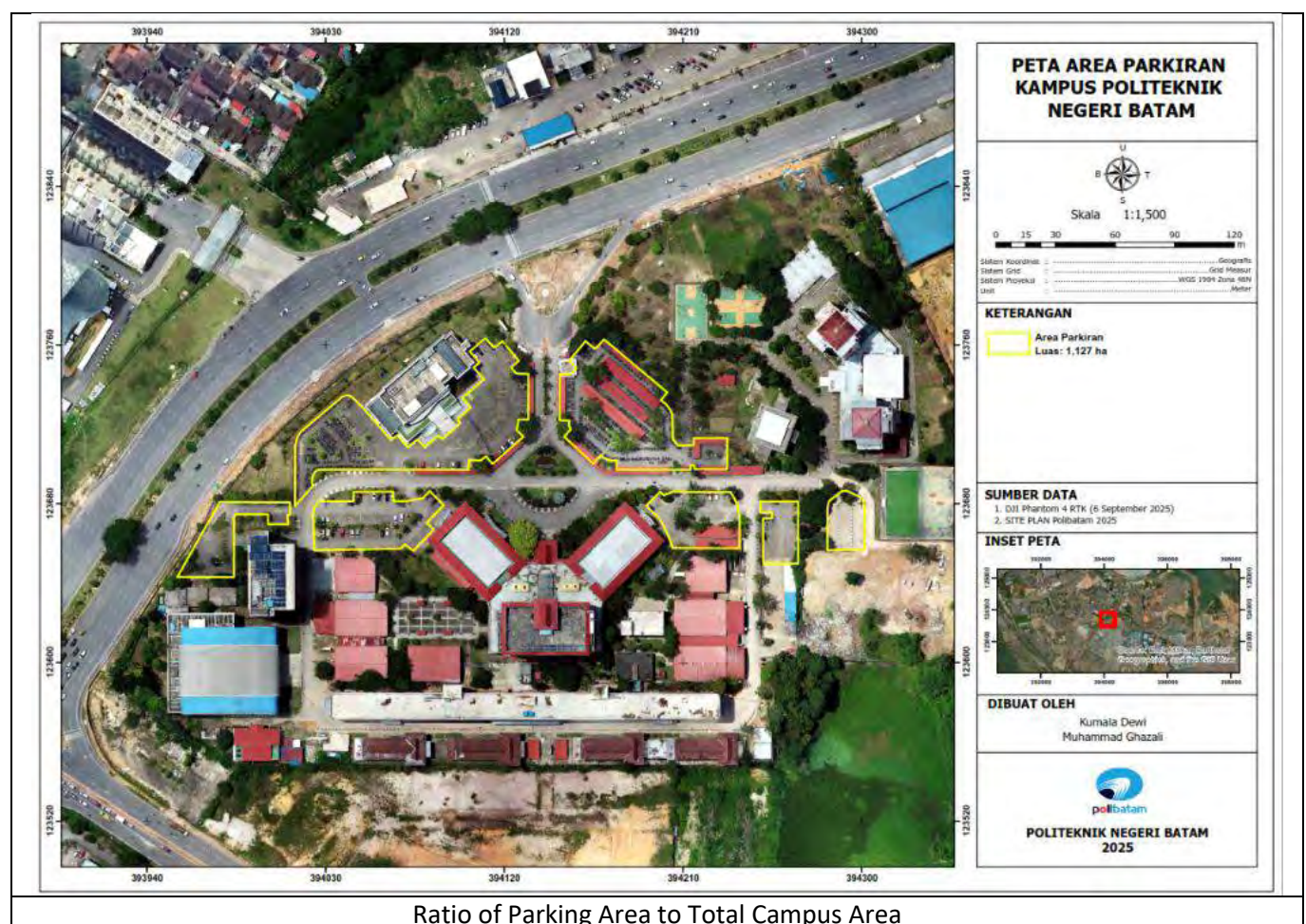
1. https://www.google.com/maps/place/Politeknik+Negeri+Batam/@1.1190422,104.0476331,128m/data=!3m1!1e3!4m6!3m5!1s0x31d98921856ddfab:0xf9d9fc65ca00c9d!8m2!3d1.1187205!4d104.0484566!16s%2Fg%2F1hc0g0x3x?entry=tту&g_ep=EgoyMDI2MDYxNi4wLjEwMDSoASAFQAw%3D%3D

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.13] Ratio of Parking Area to Total Campus Area (TR.5)



Ratio of Parking Area to Total Campus Area





Parking Area Campus 1



Parking Area Campus 2

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Parking facilities are strategically located to ensure accessibility while preserving pedestrian pathways and green open spaces. These efforts help reduce traffic congestion, lower transportation-related emissions, and support the university's sustainability goals.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. https://www.google.com/maps/place/Politeknik+Negeri+Batam/@1.1190422,104.0476331,128m/data=!3m1!1e3!4m6!3m5!1s0x31d98921856ddfab:0xf9d9fc65ca00c9d!8m2!3d1.1187205!4d104.0484566!16s%2Fg%2F1hc0g0x3x?entry=tту&g_ep=EgoyMDI2MDYxNi4wLjEwMDSoASAFQAw%3D%3D

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.14] Program to limit or decrease the parking area on campus for the last 3 years
(TR.6)



Limiting parking



Limiting parking



Mahasiswa Polibatam Ciptakan Aplikasi "Lajuu", Fokus pada Efisiensi Transportasi Komunitas Kampus

Mei 16, 2025

Lajuuu

oleh obank

10+
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Lajuu

Jejaku is here as a solution that is able to calculate the carbon footprint of various modes of transportation.



Launch of Trans Batam Bus



Movement to use public transportation

**Description:**

As part of its commitment to sustainable transportation and greenhouse gas emission reduction, Politeknik Negeri Batam has implemented various programs aimed at limiting dependence on private vehicles and reducing parking demand on campus over the last three years. Rather than continuously expanding parking facilities, the university prioritizes transportation demand management strategies that encourage alternative and environmentally friendly modes of transportation.

One of the key initiatives is the development of Lajuu, a ride-sharing application created by Polibatam students. The application facilitates carpooling among students and staff travelling along similar routes, thereby reducing the number of individual vehicles entering the campus and improving transportation efficiency. By promoting shared mobility, the program contributes to lower parking demand and reduced transportation-related carbon emissions.

In addition, the university promotes awareness of transportation-related environmental impacts through the Jejaku Carbon Footprint Calculator, which enables users to estimate the carbon emissions generated by different transportation modes. This initiative encourages students and staff to make more sustainable travel choices and supports behavioural change toward low-carbon mobility.

Politeknik Negeri Batam also actively encourages the use of public transportation through campaigns supporting the Trans Batam Bus Movement, which promotes public transit as an alternative to private vehicles for daily commuting. These campaigns are conducted in collaboration with local stakeholders and contribute to reducing traffic congestion and parking demand on campus.

Furthermore, the campus adopts a controlled parking management approach by prioritizing parking allocation for essential users while encouraging walking, cycling, ride-sharing, and public transportation. The campus layout is designed to be pedestrian-friendly, enabling students and staff to move efficiently between buildings without relying on motorized transportation.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. [Mahasiswa Polibatam Ciptakan Aplikasi “Lajuu”, Fokus pada Efisiensi Transportasi Komunitas Kampus – Politeknik Negeri Batam](#)
2. <https://www.polibatam.ac.id/aplikasi-jejaku-hitung-jejak-karbon-wujudkan-masa-depan-hijau/>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.15] Number of Transportation Initiatives to Decrease Private Vehicles on Campus (TR.7)

	
Hiace	Trans Batam
	
Sepeda motor listrik	Sepeda

Description:

Politeknik Negeri Batam implements several sustainable transportation initiatives aimed at reducing the use of private vehicles on campus, lowering carbon emissions, improving mobility, and supporting environmentally friendly commuting practices. These initiatives provide alternative transportation options for students, staff, and visitors while contributing to the university's sustainable campus objectives.

1. Campus Shuttle Service (Hiace Shuttle)



The university provides a shuttle service using a Hiace vehicle to facilitate transportation for students, staff, and campus-related activities. The shuttle reduces the need for multiple individual vehicles and supports more efficient transportation management within and around the campus environment.

2. Public Transportation Promotion (Trans Batam)

Politeknik Negeri Batam actively encourages the use of public transportation, particularly the Trans Batam bus system, as an alternative to private cars and motorcycles. This initiative supports sustainable commuting while reducing traffic congestion and parking demand on campus.

3. Free Bicycle Program

The university provides bicycles that can be borrowed and used by students and staff for mobility within the campus area. The bicycle program promotes active transportation, reduces dependence on motorized vehicles, and contributes to healthier and more sustainable campus lifestyles.

4. Electric Motorcycle Utilization

Electric motorcycles are used for campus operational activities and security patrols. The adoption of electric vehicles helps reduce fossil fuel consumption and greenhouse gas emissions compared to conventional gasoline-powered motorcycles.

5. Walkable Campus Environment

The campus infrastructure includes pedestrian pathways connecting academic buildings, laboratories, administrative offices, student facilities, and public spaces. This walkable campus design encourages campus users to travel on foot rather than using private motorized vehicles for short-distance movement.

Through these initiatives, Politeknik Negeri Batam demonstrates its commitment to sustainable transportation by providing multiple alternatives to private vehicle use, reducing transportation-related emissions, and fostering environmentally responsible mobility behavior among the campus community.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. <https://www.polibatam.ac.id/dukung-program-kampus-hijau-polibatam-terima-2-motor-listrik-dari-bright-pln-batam/>
2. <https://www.polibatam.ac.id/pamdal-polibatam-patroli-keliling-lingkungan-kampus-pakai-motor-listrik/>
3. <https://www.polibatam.ac.id/mahasiswa-polibatam-ciptakan-aplikasi-lajuu-fokus-pada-efisiensi-transportasi-komunitas-kampus/>

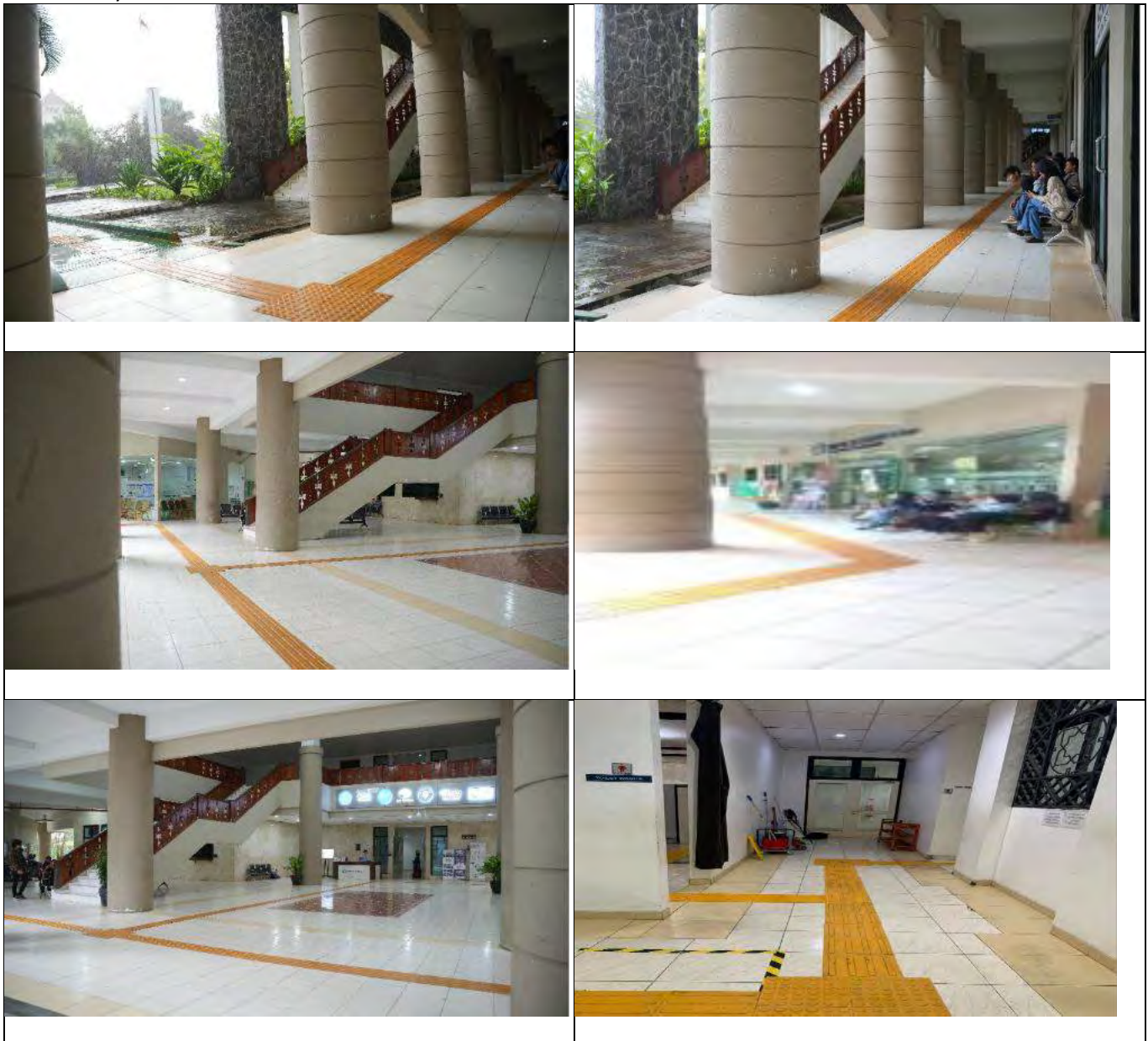
Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.16] Pedestrian Path Policy on Campus (TR.8)

Accessibility for the disabled





Main Building Ramp



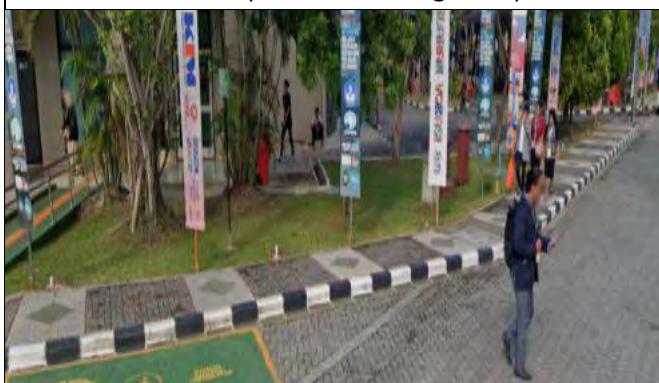
Main Building Ramp



Technopreuner Building Ramp



Tower A Building Ramp



Trotoar



Trotoar



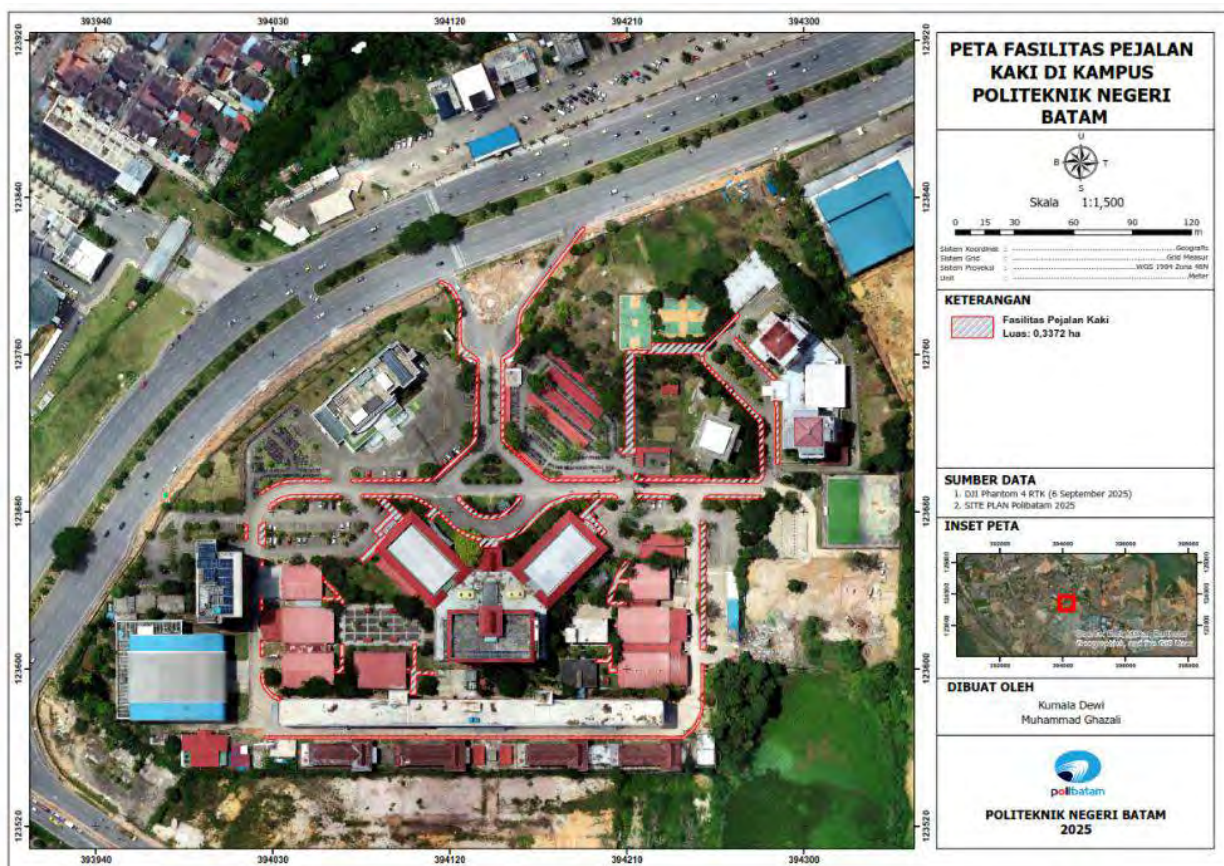




Directions



Directions



Description:

Politeknik Negeri Batam has well-designed and safe pedestrian paths all over campus to encourage people to walk and bike instead of driving. The policy for pedestrian paths on campus focuses on making them safe, easy to get to, and good for the environment for everyone who uses them.



There are sidewalks and pedestrian corridors on campus that connect to the Main Building, the Technopreneur Center, Tower A, and other academic and residential areas. These paths have:

1. To make sure that people with disabilities, including those who use wheelchairs, can get around, there are ramps and gradual inclines (jalur landai).
2. Tactile paving and guiding blocks to help blind and visually impaired people safely walk around campus.
3. For safety, there are physical barriers and clear signs that show the difference between pedestrian paths and vehicle roads.
4. Directional signs and wayfinding systems that help people get from one building or facility to another quickly and easily.
5. Streetlights, including energy-efficient bulbs, make sure people can see and feel safe when they are outside at night.

Polibatam is very dedicated to making the campus a safe, welcoming, and long-lasting place for everyone, and these policies show that. The school makes sure that walking is a key part of its green campus design and sustainable transportation strategy by adding features that make it easier for people to get around, like accessible paths and energy-efficient buildings.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. <https://www.polibatam.ac.id/polibatam-hadirkan-kampus-yang-inklusif-dan-ramah-untuk-semua/>
2. https://www.youtube.com/watch?v=x_-x7ugaFuY

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[5] Transportation (TR)

[5.18] Impact of Transportation programs in supporting the Sustainable Development Goals (SDGs)



The image shows a promotional graphic for the 'Jejaku' app on the left and a screenshot of a social media post on the right. The app interface displays a route from 'Rumah' to 'Kantor' with a carbon footprint of 0.21 kg CO₂e. It compares different transport modes: Transportasi Publik (0.21 kg CO₂e), Sepeda (0.00 kg CO₂e), and Jalan Kaki (0.00 kg CO₂e). The social media post, from 'polibatamofficial', describes the app as a digital innovation supporting Green Campus and UI GreenMetric, helping users calculate and compare carbon footprints from various transport modes to choose the most environmentally friendly one. It lists features like calculating carbon footprints, comparing emissions, supporting low-carbon lifestyles, and promoting sustainable transport. The post also mentions that the app is not just an application but a concrete step towards a healthier, smarter, and more sustainable future.

Mahasiswa Polibatam Ciptakan Aplikasi "Lajuu", Fokus pada Efisiensi Transportasi Komunitas Kampus

Mei 16, 2025

Lajuuu

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Electric Car

Electric Car



Electric Motor

Bicycle



Electric patrol motorcycle

Electric patrol motorcycle



Description:

Politeknik Negeri Batam actively promotes sustainable transportation through the implementation of various low-carbon mobility initiatives, including the use of electric vehicles, bicycles, ride-sharing programs, public transportation promotion, parking management policies, and carbon footprint awareness programs. These initiatives are designed to reduce dependence on private vehicles, lower greenhouse gas emissions, improve mobility, and support the university's commitment to sustainable campus development.

As shown in the evidence, the university provides electric cars, electric patrol motorcycles, and bicycles as environmentally friendly transportation alternatives for campus operations and daily mobility. Electric motorcycles are utilized for campus security patrols and operational activities, while bicycles are available to encourage active and zero-emission transportation within the campus environment.

To further reduce the use of private vehicles, Politeknik Negeri Batam promotes public transportation such as Trans Batam, implements parking management measures, and supports shared mobility through Lajuu, a student-developed ride-sharing platform that connects users travelling on similar routes. These initiatives help reduce traffic congestion, parking demand, fuel consumption, and transportation-related emissions.

In addition, Politeknik Negeri Batam supports climate action through Jejaku (Jejak Karbonku), a digital platform that enables users to calculate and understand the carbon footprint generated from their daily activities, including transportation choices. Through the campaign "Hitung Jejak Karbon, Wujudkan Masa Depan Hijau" (Calculate Your Carbon Footprint, Create a Greener Future), Jejaku encourages students, staff, and the wider community to adopt more environmentally responsible behaviors and make informed decisions that contribute to emission reduction and sustainability awareness.

The impact of these transportation programs contributes to the achievement of several Sustainable Development Goals (SDGs):

- SDG 3 – Good Health and Well-being, by reducing air pollution and encouraging active transportation such as cycling and walking.
- SDG 4 – Quality Education, by enhancing sustainability literacy, environmental awareness, and student innovation through platforms such as Lajuu and Jejaku.
- SDG 7 – Affordable and Clean Energy, through the adoption of electric vehicles and energy-efficient transportation systems.
- SDG 8 – Decent Work and Economic Growth, by improving transportation efficiency and reducing commuting costs for students and staff.
- SDG 9 – Industry, Innovation and Infrastructure, through the development of innovative digital solutions and sustainable transportation infrastructure.
- SDG 10 – Reduced Inequalities, by providing accessible and affordable transportation alternatives for all campus users.
- SDG 11 – Sustainable Cities and Communities, through the promotion of safe, inclusive, and low-carbon mobility practices.
- SDG 12 – Responsible Consumption and Production, by encouraging resource-efficient transportation choices and greater awareness of personal environmental impacts.



- SDG 13 – Climate Action, through efforts to reduce greenhouse gas emissions and increase awareness of carbon footprint reduction.
- SDG 15 – Life on Land, by minimizing the need for parking expansion and supporting the preservation of campus green spaces.
- SDG 17 – Partnerships for the Goals, through collaboration with transportation providers, government agencies, technology developers, and other stakeholders in promoting sustainable mobility.

Through these efforts, Polibatam demonstrates its commitment to building an environmentally responsible and innovation-driven campus that supports Indonesia's transition toward sustainable development.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. <https://jejaku.id/>
2. <https://www.polibatam.ac.id/pamdal-polibatam-patroli-keliling-lingkungan-kampus-pakai-motor-listrik/>



EDUCATION AND RESEARCH

- 1.No Poverty
- 2.Zero Hunger
- 3.Good Health and Well-Being
- 4.Quality Education
- 5.Gender Equality
- 6.Clean Water and Sanitation
- 7.Affordable and Clean Energy
- 8.Decent Work and Economic Growth
- 9.Industry, Innovation and Infrastructure
- 10.Reduced Inequalities
- 11.Sustainable Cities and Communities
- 12.Responsible Consumption and Production
- 13.Climate Action
- 14.Life Below Water
- 15.Life on Land
- 16.Peace, Justice and Strong Institutions
- 17.Patnerships for The Goals



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.1] Number of Courses/Subjects Related to Sustainability Offered

No	Nama Mata Kuliah	Jurusan
1	Interaksi manusia komputer	Teknik Informatika
2	Proyek inovasi agile	Teknik Informatika
3	Rekayasa perangkat lunak lanjut	Teknik Informatika
4	Mobile	Teknik Informatika
5	Pendidikan Agama	Teknik Informatika
6	Pendidikan Kewarganegaraan	Teknik Informatika
7	Statistika	Teknik Informatika
8	Pengantar Rekayasa Perangkat Lunak	Teknik Informatika
9	Algoritma dan Pemrograman	Teknik Informatika
10	Matematika Diskrit	Teknik Informatika
11	Analisis dan spesifikasi kebutuhan perangkat lunak	Teknik Informatika
12	Pemrograman Berbasis Web	Teknik Informatika
13	Pengantar Basis Data	Teknik Informatika
14	Videografi	Teknik Informatika
15	Penulisan naskah	Teknik Informatika
16	Konsep visual	Teknik Informatika
17	Papan cerita	Teknik Informatika
18	Penyuntingan video	Teknik Informatika
19	Penyuntingan suara	Teknik Informatika
20	Aset 3D Prosedural	Teknik Informatika
21	Digital Compositing	Teknik Informatika
22	Efek Digital & Simulasi	Teknik Informatika
23	Manajemen Produksi	Teknik Informatika
24	Animasi	Teknik Informatika
25	Mekanika tubuh 3D	Teknik Informatika
26	Menulis Bahasa Inggris	Teknik Informatika
27	Otomasi Mekanika Gerak Digital	Teknik Informatika

No	Nama Mata Kuliah	Jurusan
28	Kecerdasan Bisnis	Teknik Informatika
29	Pengembangan Startup Digital	Teknik Informatika
30	Manajemen Proyek Perangkat Lunak	Teknik Informatika
31	Pengantar Proyek Perangkat Lunak	Teknik Informatika
32	Pengantar Teknologi Informasi	Teknik Informatika
33	Dasar Pemograman Web	Teknik Informatika
34	Dasar Pemograman	Teknik Informatika
35	Sistem Komputer	Teknik Informatika
36	Bahasa Inggris Dunia Kerja	Teknik Informatika
37	Manajemen Proyek	Teknik Informatika
38	Metodologi Penelitian	Teknik Informatika
39	Prototipe Digital	Teknik Informatika
40	Proyek Internal	Teknik Informatika
41	Kalkulus	Teknik Informatika
42	Kecerdasan Buatan	Teknik Informatika
43	Pemeliharaan Perangkat Lunak	Teknik Informatika
44	Keamanan Perangkat Lunak	Teknik Informatika
45	Pemrograman Perangkat Keras	Teknik Informatika
46	Bahasa Inggris Umum	Teknik Informatika
47	Proyek Pengembangan Aplikasi IoT	Teknik Informatika
48	Sistem Informasi Geografis Lanjut	Teknik Informatika
49	Aplikasi Geomatika	Teknik Informatika
50	Struktur Data	Teknik Informatika
51	Pengantar Manajemen Proyek	Teknik Informatika
52	Perancangan Perangkat Lunak	Teknik Informatika
53	Pemrograman Berorientasi Objek	Teknik Informatika
54	Pemrograman Basis Data	Teknik Informatika
55	Pendidikan Bahasa Indonesia	Teknik Informatika
56	Kapita Selekt	Teknik Informatika
57	Kewirausahaan	Teknik Informatika
58	Proyek Perangkat Lunak Industri	Teknik Informatika
59	Mata Kuliah Pilihan 2	Teknik Informatika
60	Instalasi dan Perawatan Perangkat Lunak	Teknik Informatika
61	Pengujian Perangkat Lunak	Teknik Informatika
62	Bahasa Inggris Untuk Bisnis	Teknik Informatika
63	Desain Karakter	Teknik Informatika
64	Konsep Seni	Teknik Informatika
65	Menggambar Digital	Teknik Informatika

No	Nama Mata Kuliah	Jurusan
66	Nirmana 3D	Teknik Informatika
67	Papan Cerita	Teknik Informatika
68	Penulisan Naskah	Teknik Informatika
69	Survei Hidrografi Lanjut	Teknik Informatika
70	Pengelolaan Wilayah Pesisir	Teknik Informatika
71	Oseanografi	Teknik Informatika
72	Keselamatan dan Kesehatan Kerja	Teknik Informatika
73	Mata kuliah Web	Teknik Informatika
74	Mata kuliah Pilihan IoT	Teknik Informatika
75	Aset 3D Karakter	Teknik Informatika
76	Bisnis Animasi	Teknik Informatika
77	Karakter Animasi 3D	Teknik Informatika
78	Komunikasi Bahasa Inggris	Teknik Informatika
79	Mekanika Gerak Digital	Teknik Informatika
80	Pencahayaan dan Render 3D	Teknik Informatika
81	Proyek Kolaborasi Animasi	Teknik Informatika
82	Tata Letak 3D	Teknik Informatika
83	Portofolio Animasi 3D/2D	Teknik Informatika
84	Penyuntingan Animasi	Teknik Informatika
85	Otomasi Animasi	Teknik Informatika
86	Proyek Kreatif Animasi	Teknik Informatika
87	Statistika Matematika	Teknik Informatika
88	Mata Kuliah Pilihan AI	Teknik Informatika
89	Pendidikan Pancasila	Teknik Informatika
90	Penulisan Karya Ilmiah	Teknik Informatika
91	Robotics Design & Fabrication	Teknik Elektro
92	Introduction to Robotics	Teknik Elektro
93	Design and Simulation	Teknik Elektro
94	Computer Aided Manufacturing	Teknik Elektro
95	Control System	Teknik Elektro
96	Engineering Project Management	Teknik Elektro
97	Aplikasi Robotika	Teknik Elektro
98	Data Flow Programming	Teknik Elektro
99	Robot Manipulator	Teknik Elektro
100	Bahasa Inggris : Presentasi	Teknik Elektro
101	Prinsip Rekayasa Kualitas	Teknik Elektro
102	Website App	Teknik Elektro
103	Pemrograman Prosedural	Teknik Elektro

No	Nama Mata Kuliah	Jurusan
104	Elektronika Analog	Teknik Elektro
105	Pemrograman Sistem Terbenam	Teknik Elektro
106	Sensor dan Sistem Akuisisi Data	Teknik Elektro
107	Proyek Pengukuran dan Akuisisi Data	Teknik Elektro
108	Teknik Pengukuran dan Kalibrasi	Teknik Elektro
109	Supervisory control and data acquisition dan Distributed Control System	Teknik Elektro
110	Gambar Instrumentasi	Teknik Elektro
111	Proyek Akhir dan Laporan	Teknik Elektro
112	SCADA dan DCS	Teknik Elektro
113	Teknologi Sistem Informasi dan Komunikasi	Teknik Elektro
114	Sistem Kontrol Industri	Teknik Elektro
115	Programmable Logic Controller dan Akuator	Teknik Elektro
116	Seminar proposal	Teknik Elektro
117	Dasar Instrumentasi	Teknik Elektro
118	Fisika Terapan	Teknik Elektro
119	Dasar Pemrograman	Teknik Elektro
120	RE402 Robot Operating System (ROS)	Teknik Elektro
121	RE403 Programmable Logic Control	Teknik Elektro
122	RE404 Sensor Dan Akusisi Data	Teknik Elektro
123	RE405 Cloud Robotics	Teknik Elektro
124	RE407 Penulisan Teknik	Teknik Elektro
125	Bahasa Inggris : Penulisan Teknik	Teknik Elektro
126	Proyek Robotika dan Industri RE601	Teknik Elektro
127	Komunikasi data Industri RE 602	Teknik Elektro
128	Machine Learning RE 603	Teknik Elektro
129	Computer Vision RE 604	Teknik Elektro
130	Perencanaan Gerak RE 605	Teknik Elektro
131	Keterampilan dan Sikap Profesionalitas	Teknik Elektro
132	Mata Kuliah Robot Terbang RE609	Teknik Elektro
133	Ergonomi Industri/TRE600	Teknik Elektro
134	Pengolahan Citra/TRE603 D	Teknik Elektro
135	Desain Sistem Industri/TRE605	Teknik Elektro
136	Proyek Rapid Prototyping/RE201	Teknik Elektro
137	Aktuator dan Sistem Penggerak/RE203	Teknik Elektro
138	Statik dan Dinamik/RE204	Teknik Elektro
139	Matematika Teknik/RE205	Teknik Elektro
140	Sistem Elektronika/RE206	Teknik Elektro

No	Nama Mata Kuliah	Jurusan
141	Design Thinking/RE207	Teknik Elektro
142	Proyek Manufaktur Elektronika Semi Otomatis	Teknik Elektro
143	Devais Elektronika	Teknik Elektro
144	Teknologi Material	Teknik Elektro
145	Sistem Mikrokontroler	Teknik Elektro
146	Manufaktur Pcb	Teknik Elektro
147	Proyek Pengukuran dan akuisisi data	Teknik Elektro
148	Teknik Kalibrasi dan pengukuran	Teknik Elektro
149	Teknologi Informasi dan Komunikasi	Teknik Elektro
150	Programmable logic control	Teknik Elektro
151	SimulasikanRangkaian Elektronika/401	Teknik Elektro
152	Statistik Industri/400	Teknik Elektro
153	Programmable Logic Controller/403	Teknik Elektro
154	Pemeliharaan Perangkat	Teknik Elektro
155	Elektronika/402	Teknik Elektro
156	Bahasa Inggris Komunikasi/KU2	Teknik Elektro
157	Aplikasi Elektronika/405	Teknik Elektro
158	Internet of Things	Teknik Elektro
159	Pemeliharaan Perangkat Elektronika	Teknik Elektro
160	Statiska	Teknik Elektro
161	Bahasa Inggris	Teknik Elektro
162	Statistika Industri	Teknik Elektro
163	Desain Berbantuan Komputer Lanjut	Teknik Elektro
164	Aplikasi Elektronika	Teknik Elektro
165	Aplikasi elektronika dan Desain Sistem Industri	Teknik Elektro
166	Prototipe Produk Elektronika	Teknik Elektro
167	Metode Penelitian	Teknik Elektro
168	Proposal Proyek Akhir	Teknik Elektro
169	Pemeliharaan Perangkat Elektronika	Teknik Elektro
170	Statistik Industri	Teknik Elektro
171	Elektronika Digital	Teknik Elektro
172	Pemrograman Berbasis Komputer	Teknik Elektro
173	Dasar Teknik Listrik	Teknik Elektro
174	Desain Berbantu Komputer	Teknik Elektro
175	Robotika dan Kecerdasan Buatan	Teknik Elektro
176	Desain Sistem Mekatronika	Teknik Elektro
177	Pneumatik dan Hidrolik	Teknik Elektro
178	Computer Numerical Control	Teknik Elektro

No	Nama Mata Kuliah	Jurusan
179	Sistem Komunikasi Data dan Jaringan	Teknik Elektro
180	Proyek Dasar Instrumentasi	Teknik Elektro
181	Fisika Dasar	Teknik Elektro
182	Dasar Sistem Instrumentasi dan elektronika	Teknik Elektro
183	PLC dan aktuator	Teknik Elektro
184	Skripsi	Manajemen Bisnis
185	Pengantar Perpajakan	Manajemen Bisnis
186	Akuntansi Perusahaan Jasa	Manajemen Bisnis
187	Keuangan Bisnis	Manajemen Bisnis
188	Analisis Laporan Keuangan	Manajemen Bisnis
189	Manajemen Keuangan Bisnis	Manajemen Bisnis
190	Manajemen Hubungan Pelanggan	Manajemen Bisnis
191	Manajemen Operasional dan Ecommerce	Manajemen Bisnis
192	Negosiasi, inovasi dan produktifitas kerja	Manajemen Bisnis
193	Manajemen Kualitas dan Resiko	Manajemen Bisnis
194	Hukum Perdagangan Internasional	Manajemen Bisnis
195	Perdagangan Internasional	Manajemen Bisnis
196	Sistem perpajakan internasional	Manajemen Bisnis
197	Akuntansi	Manajemen Bisnis
198	Sistem Informasi Akuntansi	Manajemen Bisnis
199	Auditing	Manajemen Bisnis
200	Social Skill Project	Manajemen Bisnis
201	Aplikasi Komputer Perkantoran	Manajemen Bisnis
202	Hukum dan Etika Bisnis	Manajemen Bisnis
203	Desain Struktur Kapal	Teknik Mesin
204	Las dan Pabrikasi Logam	Teknik Mesin
205	Perlakuan Panas	Teknik Mesin
206	Praktik Industri	Teknik Mesin
207	Etika Profesi	Teknik Mesin
208	Laporan Praktik Industri	Teknik Mesin
209	Laporan Akhir Studi	Teknik Mesin
210	Fisika Terapan	Teknik Mesin
211	Konstruksi Kapal	Teknik Mesin
212	Perancangan dengan Komputer	Teknik Mesin
213	Visualisasi dan Permodelan Kapal	Teknik Mesin
214	Teori Bangunan Kapal	Teknik Mesin
215	Pengelasan Lanjut	Teknik Mesin
216	Sistem dan Perlengkapan Kapal	Teknik Mesin

No	Nama Mata Kuliah	Jurusan
217	Fabrikasi Kapal Lanjut	Teknik Mesin
218	Manajemen Produksi Kapal	Teknik Mesin
219	Mekanika Kelelahan & Kepecahan	Teknik Mesin
220	Sistem Kelistrikan Kapal	Teknik Mesin
221	Statistika Teknik	Teknik Mesin
222	Pengelasan Fillet	Teknik Mesin
223	Metalurgi Pengelasan	Teknik Mesin
224	Gambar Teknik	Teknik Mesin
225	Pengendalian mutu	Teknik Mesin
226	Pengujian Ultrasonik	Teknik Mesin
227	Pengujian Radiografi	Teknik Mesin
228	Pengujian Penetran dan magnetik	Teknik Mesin
229	Perawatan Pesawat Lanjut	Teknik Mesin
230	Dasar Elektronika Pesawat	Teknik Mesin
231	Aircraft System	Teknik Mesin
232	Aircraft Structure	Teknik Mesin
233	Mesin Gas Turbin	Teknik Mesin
234	Mesin Piston	Teknik Mesin
235	Metalurgi 1	Teknik Mesin
236	Kimia Analitik	Teknik Mesin
237	Pengolahan Mineral	Teknik Mesin

Data PBL di Polibatam yang berkaitan dengan Sustainability tahun 2024-2026

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
1	Teknik Informatika	Pengembangan Aplikasi EFaktur versi Edukasi	SDG 4 Quality Education SDG 8 (Decent Work and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure)	1. Interaksi manusia komputer 2. Proyek inovasi agile 3. Rekayasa perangkat lunak lanjut
2	Teknik Informatika	Park Quest: Sistem Parkir Pintar dan pendekatan gamifikasi	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Interaksi manusia komputer 2. Mobile 3. Pendidikan Agama 4. Pendidikan Kewarganegaraan 5. Proyek inovasi agile 6. Rekayasa perangkat lunak

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
				lanjut 7. Statistika
3	Teknik Informatika	Aplikasi Pelaporan dan Pemantauan Kejadian di Lingkungan Tempat Tinggal	SDG 11 (Sustainable Cities and Communities) SDG 16 (Peace, Justice and Strong Institutions) SDG 9 (Industry, Innovation and Infrastructure)	1. Pengantar Rekayasa Perangkat Lunak 2. Algoritma dan Pemrograman 3. Matematika Diskrit 4. Analisis dan spesifikasi kebutuhan perangkat lunak 5. Pemrograman Berbasis Web 6. Pengantar Basis Data 7. Pendidikan Agama
4	Teknik Informatika	Aplikasi mobile untuk media pembelajaran sekolah	SDG 4 Quality Education SDG 9 (Industry, Innovation and Infrastructure) SDG 10 (Reduced Inequalities)	1. Mobile 2. Rekayasa Perangkat Lunak 3. Statistika 4. Interaksi manusia komputer 5. Proyek inovasi agile
5	Teknik Informatika	Film Pendek Anti Korupsi	SDG 16 (Peace, Justice and Strong Institutions) SDG 4 Quality Education	1. Videografi 2. Penulisan naskah 3. Konsep visual 4. Papan cerita 5. Penyuntingan video 6. Penyuntingan suara 7. K3L
6	Teknik Informatika	Film Pendek Animasi Anti-Korupsi	SDG 16 (Peace, Justice and Strong Institutions) SDG 4 Quality Education SDG 10 (Reduced Inequalities)	1. Aset 3D Prosedural 2. Digital Compositing 3. Efek Digital & Simulasi 4. Kesehatan dan keselamatan Kerja 5. Manajemen Produksi Animasi 6. Mekanika tubuh 3D 7. Menulis Bahasa Inggris 8. Otomasi Mekanika Gerak Digital
7	Teknik Informatika	Parkwell: Data driven smart parking system powered by IoT and Big data analytics	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Kecerdasan Bisnis 2. Pengembangan Startup Digital 3. Manajemen Proyek Perangkat Lunak 4. Proyek Inovasi Agile 5. Keselamatan dan Kesehatan Kerja
8	Teknik Informatika	Content Manajement System	SDG 8 (Decent Work and Economic	1. Pengantar Proyek Perangkat Lunak

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
		untuk Reseller Aksesoris	Growth) SDG 9 (Industry, Innovation and Infrastructure) SDG 5 (Gender Equality) SDG 11 (Sustainable Cities and Communities)	2. Pengantar Teknologi Informasi 3. Dasar Pemrograman Web 4. Dasar Pemrograman 5. Sistem Komputer
9	Teknik Informatika	Social Media Campaign Edukasi Mangrove	SDG 13 (Climate Action) SDG 14 (Life Below Water) SDG 15 (Life on Land) SDG 4 (Quality Education)	1. Bahasa Inggris Dunia Kerja 2. Kesehatan, Keselamatan dan Komunikasi Kerja 3. Manajemen Proyek 4. Metodologi Penelitian 5. Prototipe Digital 6. Proyek Internal
10	Teknik Informatika	Pengembangan Sistem Pemantauan Lingkungan Belajar Homeschooling Berbasis IoT dengan Lampu Adaptif dan Sensor Kebisingan	SDG 4 (Quality Education) SDG 7 (Affordable and Clean Energy) SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities)	1. Kalkulus 2. Kecerdasan Buatan 3. Pemeliharaan Perangkat Lunak 4. Keamanan Perangkat Lunak 5. Pemrograman Perangkat Keras 6. Bahasa Inggris Umum 7. Proyek Pengembangan Aplikasi IoT
11	Teknik Informatika	Digitalisasi Peta Perumahan dan Permukiman Kota Batam	SDG 11 (Sustainable Cities and Communities) SDG 9 (Industry, Innovation and Infrastructure) SDG 16 (Peace, Justice and Strong Institutions) SDG 13 (Climate Action)	1. Sistem Informasi Geografis Lanjut 2. Aplikasi Geomatika
12	Teknik Informatika	Aplikasi Web Eco Enzim	SDG 12 (Responsible Consumption and Production) SDG 13 (Climate Action) SDG 4 (Quality Education) SDG 11 (Sustainable	1. Statistika 2. Struktur Data 3. Pengantar Manajemen Proyek 4. Perancangan Perangkat Lunak 5. Pemrograman Berorientasi Objek 6. Pemrograman Basis Data

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
			Cities and Communities)	7. Pendidikan Bahasa Indonesia
13	Teknik Informatika	Parkir Cerdas Batam : Analisis Parkir dan Kondisi Kepadatan Jalan Menggunakan AI dan IoT	SDG 11 (Sustainable Cities and Communities) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. Kalkulus 2. Kecerdasan Buatan 3. Pemeliharaan Perangkat Lunak 4. Keamanan Perangkat Lunak 5. Pemrograman Perangkat Keras 6. Bahasa Inggris Umum 7. Proyek Pengembangan Aplikasi IoT
14	Teknik Informatika	DombaKu : Inovasi Digital Berbasis Self-Supervised Learning dan Rule-Based System untuk Meningkatkan efisiensi Peternakan Domba	SDG 2 (Zero Hunger) SDG 9 (Industry, Innovation and Infrastructure) SDG 12 (Responsible Consumption and Production) SDG 13 (Climate Action)	1. Pendidikan Kewarganegaraan 2. Menulis Bahasa Inggris 3. Metodologi Penelitian 4. Kapita Selekta 5. Kewirausahaan 6. Proyek Perangkat Lunak Industri
15	Teknik Informatika	Aplikasi Mobile Lajuuu: Solusi Transportasi Cerdas dan Ekonomis untuk Mobilitas Mahasiswa dan Masyarakat	SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Proyek Perangkat Lunak Industri 2. Mata Kuliah Pilihan 2 3. Instalasi dan Perawatan Perangkat Lunak 4. Pengujian Perangkat Lunak 5. Bahasa Inggris Untuk Bisnis 6. Keselamatan dan Kesehatan Kerja 7. Pendidikan Bahasa Indonesia
16	Teknik Informatika	Maskot Kampanye Edukasi Mangrove	SDG 13 (Climate Action) SDG 14 (Life Below Water) SDG 15 (Life on Land) SDG 4 (Quality Education)	1. Bahasa Indonesia 2. Desain Karakter 3. Kapita Selekta 4. Konsep Seni 5. Menggambar Digital 6. Nirmana 3D 7. Papan Cerita 8. Penulisan Naskah
17	Teknik Informatika	Graphic Elements Kampanye Edukasi Mangrove	SDG 13 (Climate Action) SDG 14 (Life Below Water) SDG 15 (Life on Land) SDG 4 (Quality Education)	1. Bahasa Inggris Dunia Kerja 2. Kesehatan Keselamatan dan Komunikasi Kerja 3. Manajemen Proyek 4. Metodologi Penelitian 5. Prototipe digital 6. Proyek Internal

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
18	Teknik Informatika	Aplikasi Pendeteksi Hama dengan Gambar Berbasis Kecerdasan Buatan	SDG 2 (Zero Hunger) SDG 12 (Responsible Consumption and Production)	1. Proyek Perangkat Lunak Industri 2. Pengujian Perangkat Lunak 3. Instalasi dan Perawatan Perangkat Lunak 4. Keselamatan dan Kesehatan Kerja 5. Bahasa Inggris untuk Bisnis 6. Bahasa Indonesia
19	Teknik Informatika	ParkinTime : Sistem Manajemen Parkir Berbasis IoT dengan Website Admin dan Penyempurnaan Fitur	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Pendidikan Kewarganegaraan 2. Menulis Bahasa Inggris 3. Metodologi Penelitian 4. Kapita Selektta 5. Kewirausahaan 6. Proyek Perangkat Lunak Industri
20	Teknik Informatika	Aplikasi Mobile untuk Sistem Manajemen Parkir Berbasis IoT dengan Fitur Pemesanan dan Tiket Online	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 12 (Responsible Consumption and Production) SDG 13 (Climate Action)	1. Pendidikan Kewarganegaraan 2. Menulis Bahasa Inggris 3. Metodologi Penelitian 4. Kapita Selektta 5. Kewirausahaan 6. Proyek Perangkat Lunak Industri
21	Teknik Informatika	Aplikasi kontrol gula harian berdasarkan USDA dan OFF	SDG 3 (Good Health and Well-Being) SDG 12 (Responsible Consumption and Production)	1. Kapita Selektta 2. Pendidikan Kewarganegaraan 3. Metode Penelitian 4. Proyek Perangkat Lunak Industri 5. Kewirausahaan 6. Menulis Bahasa Inggris
22	Teknik Informatika	Digitalisasi UMKM: Aplikasi Point of Sale (POS) Berbasis Web Pada Angkringan OmahMU Batam Center	SDG 8 (Decent Work and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure)	1. Menulis Bahasa Inggris 2. Metodologi Penelitian 3. Kapita Selektta 4. Kewirausahaan 5. Proyek Perangkat Lunak Industri 6. Pendidikan Kewarganegaraan 7. Instalasi dan Perawatan Perangkat Lunak 8. Pengujian Perangkat Lunak

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
				9. Keselamatan dan Kesehatan Kerja 10. Bahasa Inggris untuk Bisnis 11. Pendidikan Bahasa Indonesia
23	Teknik Informatika	I-TransEC Transport Carbon Calculator	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Statistika 2. Struktur Data 3. Pengantar Manajemen Proyek 4. Perancangan Perangkat Lunak 5. Pemrograman Berorientasi Objek 6. Pemrograman Basis Data 7. Pendidikan Bahasa Indonesia
24	Teknik Informatika	Pemodelan Transportasi Karbon Biru di Ekosistem Bakau dengan Integrasi Data Multispektral dan Hidrodinamika	SDG 13 (Climate Action) SDG 14 (Life Below Water) SDG 15 (Life on Land)	1. Survei Hidrografi Lanjut 2. Sistem Informasi Geografis Lanjut 3. Pengelolaan Wilayah Pesisir 4. Oseanografi 5. Aplikasi Geomatika
25	Teknik Informatika	Sistem Pelaporan Kerusakan Infrastruktur Air untuk Meningkatkan Aksesibilitas Air Bersih di Masyarakat dan IoT Real-Time untuk Pemantauan Kualitas Air Bersih dengan Deteksi Dini	SDG 6 (Clean Water and Sanitation) SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Proyek Perangkat Lunak Industri 2. IoT 3. Instalasi dan Perawatan Perangkat Lunak 4. Pengujian Perangkat Lunak 5. Keselamatan dan Kesehatan Kerja 6. Bahasa Inggris untuk Bisnis 7. Pendidikan Bahasa Indonesia
26	Teknik Informatika	Meningkatkan Pengalaman Belajar Digital: Pengembangan Platform Edutech dengan Integrasi Multi-Fitur Berbasis Laravel	SDG 4 Quality Education SDG 9 (Industry, Innovation and Infrastructure) SDG 10 (Reduced Inequalities)	1. Proyek Perangkat Lunak Industri 2. Pengujian Perangkat Lunak 3. Keselamatan dan kesehatan kerja 4. Instalasi dan Perawatan Perangkat lunak 5. Mata Kuliah Web 6. Bahasa Inggris untuk Bisnis
27	Teknik Informatika	Website Health & Fitness Evaluator AI:	SDG 3 (Good Health and Well-Being) SDG 4 Quality	1. Proyek Perangkat Lunak Industri 2. Pengujian Perangkat Lunak

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
		Advanced Personalization	Education SDG 9 (Industry, Innovation and Infrastructure)	3. Instalasi & Perawatan Perangkat Lunak 4. Mata Kuliah Pilihan 5. Bahasa Inggris Untuk Bisnis 6. Bahasa Indonesia 7. Keselamatan dan Kesehatan Kerja
28	Teknik Informatika	Sistem Pemantauan Sampah Berbasis Komunitas	SDG 11 (Sustainable Cities and Communities) SDG 12 (Responsible Consumption and Production)	1. Proyek Perangkat Lunak Industri 2. Kapita Selekt 3. Metodologi Penelitian 4. Kewirausahaan 5. Menulis Bahasa Inggris 6. Kewarganegaraan
29	Teknik Informatika	IoT untuk Deteksi Kematangan Cengkeh Secara Real-Time	SDG 2 (Zero Hunger) SDG 9 (Industry, Innovation and Infrastructure)	1. Proyek Perangkat Lunak Industri 2. Mata Kuliah Pilihan IoT 3. Instalasi dan Perawatan Perangkat Lunak 4. Pengujian Perangkat Lunak 5. Keselamatan dan Kesehatan Kerja 6. Bahasa Inggris untuk Bisnis
30	Teknik Informatika	Booklet Paket Wisata Edukasi Mangrove	SDG 4 (Quality Education) SDG 8 (Decent Work and Economic Growth) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Bahasa Inggris Dunia Kerja 2. Metodologi Penelitian 3. Proyek Internal 4. Prototipe Digital 5. Manajemen Proyek 6. Kesehatan Keselamatan dan Komunikasi Kerja
31	Teknik Informatika	Sistem Pengelolaan Sampah dan Kebersihan Kota Batam -Trashify	SDG 3 (Good Health and Well-Being) SDG 11 (Sustainable Cities and Communities) SDG 12 (Responsible Consumption and Production)	1. Proyek Perangkat Lunak Industri 2. Mata Kuliah Pilihan Mobile 3. Instalasi dan Perawatan Perangkat Lunak 4. Pengujian Perangkat Lunak 5. Keselamatan dan Kesehatan Kerja 6. Bahasa Inggris untuk Bisnis
32	Teknik Informatika	Glovoice Untuk Permasalahan Tuna Rungu Wicara-B-6BC	SDG 3 (Good Health and Well-Being) SDG 4 Quality Education SDG 8 (Decent Work	1. Aset 3D Karakter 2. Bisnis Animasi 3. Karakter Animasi 3D 4. Komunikasi Bahasa Inggris 5. Mekanika Gerak Digital

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
			and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure)	6. Pencahayaan & Render 3D 7. Proyek Kolaborasi Animasi 8. Tata Letak 3D 9. Portofolio Animasi 3d/2d 10. Penyuntingan animasi 11. Otomasi Animasi 12. Proyek Kreatif Animasi 13. Statistika Matematika
33	Teknik Informatika	System Smart Trash Bin based on Internet Of Things (IOT)	SDG 11 (Sustainable Cities and Communities) SDG 12 (Responsible Consumption and Production) SDG 13 (Climate Action)	1. Bahasa Inggris untuk Bisnis 2. Instalasi dan Perawatan Perangkat Lunak 3. Mata Kuliah pilihan 2 IoT 4. Keselamatan dan kesehatan kerja 5. Pendidikan Bahasa Indonesia 6. Pengujian Perangkat Lunak 7. Proyek Perangkat Lunak Industri
34	Teknik Informatika	Parkir Cerdas Batam : Analisis Parkir dan Kondisi Kepadatan Jalan Menggunakan AI dan IoT	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Kalkulus 2. Kecerdasan Buatan 3. Pemeliharaan Perangkat Lunak 4. Keamanan Perangkat Lunak 5. Pemrograman Perangkat Keras 6. Bahasa Inggris Umum 7. Proyek Pengembangan IoT
35	Teknik Informatika	HoleVision: Aplikasi Deteksi dan Pencatatan Lubang Jalan	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities) SDG 13 (Climate Action)	1. Kalkulus 2. Kecerdasan Buatan 3. Pemeliharaan Perangkat Lunak 4. Keamanan Perangkat Lunak 5. Pemrograman Perangkat Keras 6. Bahasa Inggris Umum 7. Proyek Pengembangan IoT
36	Teknik Informatika	PolCaBot- Polibatam Academic Chatbot	SDG 4 (Quality Education) SDG 9 (Industry, Innovation and Infrastructure) SDG 10 (Reduced Inequalities)	1. Proyek Perangkat Lunak Industri 2. Pengujian Perangkat Lunak 3. Instalasi dan Perawatan Perangkat Lunak 4. Mata kuliah pilihan AI 5. Bahasa Inggris untuk Bisnis
37	Teknik Informatika	Pemanfaatan Teknologi Virtual Reality dan Unreal Engine Sebagai	SDG 3 (Good Health and Well-Being) SDG 9 (Industry,	1. Otomasi Animasi 2. Pendidikan kewarganegaraan 3. Pendidikan Pancasila

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
		Media Inovatif dalam Proses Rehabilitas Pasien Trauma	Innovation and Infrastructure)	4. Penulisan Karya Ilmiah 5. Penyuntingan Animasi 6. Portofolio Animasi 3D 7. Proyek Kreatif Animasi 8. Statistika Matematika
38	Teknik Informatika	Smart Gate berbasis RFID	SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities)	1. Proyek Perangkat Lunak Industri 2. Instalasi dan Perawatan Perangkat Lunak 3. Mata Kuliah Pilihan IoT 4. Pengujian Perangkat Lunak 5. Bahasa Inggris untuk Bisnis 6. Pendidikan Bahasa Indonesia
39	Teknik Informatika	Livestock Watersense: Otomatisasi Penyiraman dan Pemantauan Suhu pada Kandang Ternak Berbasis IoT	SDG 2 (Zero Hunger) SDG 9 (Industry, Innovation and Infrastructure) SDG 12 (Responsible Consumption and Production)	1. Mata Kuliah pilihan IoT 2. Proyek Perangkat Lunak Industri 3. Pengujian Perangkat Lunak 4. Instalasi dan Perawatan Perangkat Lunak 5. Bahasa Indonesia 6. Bahasa Inggris untuk Bisnis
40	Teknik Informatika	Aplikasi Pendukung Masalah Kesehatan Mental Remaja Berbasis Kecerdasan Buatan	SDG 3 (Good Health and Well-Being) SDG 4 (Quality Education) SDG 9 (Industry, Innovation and Infrastructure) SDG 10 (Reduced Inequalities)	1. Proyek Perangkat Lunak Industri 2. Instalasi dan Perawatan Perangkat Lunak 3. Keselamatan dan Kesehatan Kerja 4. Pendidikan Bahasa Indonesia 5. Bahasa Inggris untuk Bisnis 6. Pengujian Perangkat Lunak 7. Mata Kuliah Pilihan AI
41	Teknik Elektro	Robot Edukasi	SDG 4 (Quality Education) SDG 9 (Industry, Innovation and Infrastructure) SDG 8 (Decent Work and Economic Growth) SDG 10 (Reduced Inequalities)	1. RE301 Robotics Design & Fabrication 2. RE302 Introduction to Robotics 3. RE303 Design and Simulation 4. RE304 Computer Aided Manufacturing 5. RE305 Control System 6. RE306 Engineering Project Management
42	Teknik Elektro	Security Patrol Robot	SDG 16 (Peace, Justice and Strong Institutions) SDG 9 (Industry,	1. RE301 Desain dan Fabrikasi Robotika 2. RE302 Pengantar Robotika 3. RE303 Desain dan Simulasi

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
			Innovation and Infrastructure) SDG 4 (Quality Education) SDG 8 (Decent Work and Economic Growth) SDG 11 (Sustainable Cities and Communities)	4. RE304 Computer Aided Manufacturing 5. RE305 Sistem Kendali 6. RE306 Manajemen Proyek Teknik 7. RE501 Aplikasi Robotika 8. RE502 Data Flow Programming 9. RE503 Robot Manipulator 10. RE504 Bahasa Inggris : Presentasi 11. RE505 Prinsip Rekayasa Kualitas 12. RE506 Website App 13. RE102 Pemrograman Prosedural
43	Teknik Elektro	Sistem Monitoring dan Kontrol pada Budidaya Akuaponik Berbasis IoT untuk Meningkatkan Hasil Produksi	SDG 2 (Zero Hunger) SDG 9 (Industry, Innovation and Infrastructure)	1. Elektronika Analog 2. Pemrograman Sistem Terbenam 3. Sensor dan Sistem Akuisisi Data 4. Proyek Pengukuran dan Akuisisi Data 5. Teknik Pengukuran dan Kalibrasi 6. Supervisory control and data acquisition dan Distributed Control System 7. Gambar Instrumentasi 8. Proyek Akhir dan Laporan
44	Teknik Elektro	Sistem Monitoring Nutrisi dan Kondisi Tanah Perkebunan Berbasis IOT	SDG 2 (Zero Hunger) SDG 9 (Industry, Innovation and Infrastructure)	1. Gambar Instrumentasi 2. Proyek Akhir dan Laporan 3. SCADA dan DCS 4. Teknik Pengukuran dan Kalibrasi 5. Elektronika Analog 6. Pemrograman Sistem Terbenam 7. Proyek Pengukuran dan Sistem Akuisisi Data 8. Sensor dan Sistem Akuisisi Data
45	Teknik Elektro	Sistem Deteksi Dini Gangguan Ginjal Berbasis Gas Amonia	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. Teknologi Sistem Informasi dan Komunikasi 2. Sistem Kontrol Industri 3. Programmable Logic Controller dan Aktuator 4. Seminar proposal

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
				5. Dasar Instrumentasi 6. Fisika Terapan 7. Dasar Pemrograman
46	Teknik Elektro	Technology Development Flight Controller : Drone Modular Berbasis IoT Solusi Fleksibel untuk Kustomisasi Pemantauan dan Pengambilan Data Lingkungan	SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. RE401 Proyek Inovasi Agile 2. RE402 Robot Operating System (ROS) 3. RE403 Programmable Logic Control 4. RE404 Sensor Dan Akusisi Data 5. RE405 Cloud Robotics 6. RE407 Penulisan Teknik 7. Bahasa Inggris : Penulisan Teknik 8. Proyek Robotika dan Industri RE601 9. Komunikasi data Industri RE 602 10. Machine Learning RE 603 11. Computer Vision RE 604 12. Perencanaan Gerak RE 605 13. Keterampilan dan Sikap Profesionalitas 14. Mata Kuliah Robot Terbang RE609 15. Ergonomi Industri/TRE600 16. Kecerdasan Buatan/TRE601 17. Pengolahan Citra/TRE603 D 18. Desain Sistem Industri/TRE605 19. Proyek Rapid Prototyping/RE201 20. Pemrograman Berorientasi Objek/RE202 21. Aktuator dan Sistem Penggerak/RE203 22. Statik dan Dinamik/RE204 23. Matematika Teknik/RE205 24. Sistem Elektronika/RE206 25. Design Thinking/RE207
47	Teknik Elektro	CleanRoom Temperature	SDG 9 (Industry, Innovation and Infrastructure)	1. Proyek Manufaktur Elektronika Semi Otomatis 2. Devais Elektronika

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
		Monitoring Module Assembly	SDG 12 (Responsible Consumption and Production)	3. Teknologi Material 4. Sistem Mikrokontroler 5. Manufaktur Pcb
48	Teknik Elektro	SISTEM MONITORING CUACA MENGGUNAKAN LOGIKA FUZZY BERBASIS IOT	SDG 13 (Climate Action) SDG 9 (Industry, Innovation and Infrastructure)	1. Sistem Terbenam 2. Sensor dan Sistem Akuisisi Data 3. Proyek Pengukuran dan akuisisi data 4. Elektronika analog 5. Teknik Kalibrasi dan pengukuran
49	Teknik Elektro	Sistem Monitoring dan Pengukuran Viskositas Darah pada Penderita Diabetes Berbasis IoT	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. Sistem Kontrol Industri 2. Teknologi Informasi dan Komunikasi 3. Seminar Proposal 4. Programmable logic control
50	Teknik Elektro	Rancang Bangun Alat Monitoring Kesehatan Bayi: Suhu, Detak Jantung, dan Gerakan	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. Simulasikan Rangkaian Elektronika/401 2. Pemrograman Berorientasi Objek/404 3. Statistik Industri/400 4. Programmable Logic Controller/403 5. Pemeliharaan Perangkat Elektronika/402 6. Bahasa Inggris Komunikasi/KU2 7. Pendidikan Kewarganegaraan/PK3 8. Aplikasi Elektronika/405
51	Teknik Elektro	AirGuardX : Dual Smart Protection Mask dengan Teknologi Pendeteksi Asap dan Fan Deflector berbasis IoT untuk Keamanan Pekerja	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure) SDG 8 (Decent Work and Economic Growth)	1. Internet of Things 2. Manajemen Proyek 3. Simulasi Rangkaian Elektronika
52	Teknik Elektro	Sistem Monitoring Pada Green House di Politeknik Negeri Batam	SDG 2 (Zero Hunger) SDG 9 (Industry, Innovation and Infrastructure) SDG 4 (Quality Education)	1. Elektronika Analog 2. Sensor dan Sistem Akuisisi Data 3. Proyek Pengukuran dan Akuisisi Data 4. Pemrograman sistem terbenam 5. Supervisory control and data acquisition dan Distributed Control System

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
				6. Gambar Instrumentasi 7. Teknik Pengukuran dan Kalibrasi 8. Proyek Akhir dan Laporan
53	Teknik Elektro	PEKADA : PENGHITUNG KAYUHAN SEPEDA DAN ESTIMASI KALORI YANG TERBAKAR	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities)	1. Desain Sistem Industri
54	Teknik Elektro	Solarix-SBX sistem pembangkit listrik tenaga surya terintegrasi dengan penguat sinyal untuk optimalisasi kapal nelayan pesisir	SDG 7 (Affordable and Clean Energy) SDG 9 (Industry, Innovation and Infrastructure) SDG 14 (Life Below Water) SDG 8 (Decent Work and Economic Growth)	1. Pemeliharaan Perangkat Elektronika 2. Statiska 3. Pendidikan Kewarganegaraan 4. Simulasi Rangkaian Elektronika 5. Bahasa Inggris
55	Teknik Elektro	Alat Pendeteksi Kekeruhan Air Guna Mengurangi Gangguan Kesehatan Pada Masyarakat	SDG 6 (Clean Water and Sanitation) SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. Desain Berbantuan Komputer Lanjut 2. Ergonomi Industri 3. Kecerdasan Buatan 4. Pengolahan Citra
56	Teknik Elektro	Smart Parking : Sistem Parkir Cerdas Menggunakan YOLO dan BOT-SORT untuk Deteksi dan Pelacakan Objek serta Penentuan Slot Parkir Berdasarkan Jarak Antar Kendaraan dengan Perspektif Transformasi	SDG 11 (Sustainable Cities and Communities) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. Statistika Industri 2. Pemrograman Berorientasi Objek 3. Simulasi Rangkaian Elektronika 4. Ergonomi Industri 5. Kecerdasan Buatan 6. Desain Berbantuan Komputer Lanjut
57	Teknik Elektro	Sistem Monitoring Watering Hidroponik	SDG 2 (Zero Hunger) SDG 6 (Clean Water and Sanitation) SDG 9 (Industry, Innovation and Infrastructure)	1. Pemrograman Berorientasi Objek 2. Bahasa Inggris Komunikasi 3. Aplikasi Elektronika 4. Pendidikan Kewarganegaraan 5. Desain Sistem Industri

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
58	Teknik Elektro	Sistem Monitoring Kualitas Udara Pada Bengkel Mekanik di lingkungan Kampus	SDG 3 (Good Health and Well-Being) SDG 11 (Sustainable Cities and Communities) SDG 9 (Industry, Innovation and Infrastructure)	1. Desain Berbantuan Komputer Lanjut 2. Kecerdasan Buatan 3. Ergonomi Industri 4. Pengolaan Citra
59	Teknik Elektro	Sistem Pemilah Sampah Cerdas Untuk Mendukung Kampus Hijau Ramah Lingkungan	SDG 12 (Responsible Consumption and Production) SDG 11 (Sustainable Cities and Communities) SDG 9 (Industry, Innovation and Infrastructure) SDG 4 (Quality Education) SDG 13 (Climate Action)	1. Pengolahan Citra 2. Ergonomi Industri 3. Kecerdasan Buatan 4. Pemrograman Berorientasi Objek 5. Bahasa Inggris Komunikasi 6. Statistik Industri 7. Simulasi Rangkaian Elektronika 8. Aplikasi elektronika dan Desain Sistem Industri
60	Teknik Elektro	Sistem kendali Otomatis dari Standbye Power Listrik Rumah Tangga	SDG 7 (Affordable and Clean Energy) SDG 12 (Responsible Consumption and Production) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	Prototipe Produk Elektronika
61	Teknik Elektro	Smart Vest with LoRa Communication for Field Worker Safety and Efficiency	SDG 8 (Decent Work and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure) SDG 3 (Good Health and Well-Being)	1. Prototipe Produk Elektronika 2. Metode Penelitian
62	Teknik Elektro	Integration Water Monitoring System	SDG 6 (Clean Water and Sanitation) SDG 9 (Industry, Innovation and Infrastructure)	1. Proyek Pengukuran dan Sistem Akuisisi data 2. Elektronika Analog 3. Elektronika Digital 4. Pemrograman Sistem Terbenam 5. Sensor dan Sistem Akuisisi Data

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
				6. Teknik Pengukuran dan Kalibrasi 7. Supervisory control and data acquisition dan Distributed Control System 8. Gambar Instrumentasi 9. Proposal Proyek Akhir
63	Teknik Elektro	Sistem Pendeteksi Kebocoran Pipa Air	SDG 6 (Clean Water and Sanitation) SDG 9 (Industry, Innovation and Infrastructure) SDG 12 (Responsible Consumption and Production)	1. Gambar Instrumentasi 2. Supervisory Control and Data Acquisition dan Distributed Control System (SCADA) 3. Teknik Pengukuran dan Kalibrasi 4. Proyek Akhir dan Laporan
64	Teknik Elektro	Automatic Fish Feeding System for Fish Farming at PT Tunas Bioflok Indojoya	SDG 2 (Zero Hunger) SDG 14 (Life Below Water) SDG 9 (Industry, Innovation and Infrastructure) SDG 12 (Responsible Consumption and Production)	1. Pemeliharaan Perangkat Elektronika (TRE402) 2. Simulasi Rangkaian Elektronika/TRE401 3. Bahasa Inggris Komunikasi 4. Statistik Industri
65	Teknik Elektro	Sistem Monitoring Kualitas Udara Berbasis IOT di lingkungan kampus	SDG 13 (Climate Action) SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities)	1. Statistik Industri 2. Simulasi Rangkaian Elektronika 3. Pemeliharaan Perangkat Elektronika 4. Programmable Logic Controller 5. Pemrograman Berorientasi Objek 6. Bahasa Inggris Komunikasi 7. Pendidikan Kewarganegaraan 8. Aplikasi Elektronika
66	Teknik Elektro	Implementasi IoT untuk system Observasi Cuaca	SDG 13 (Climate Action) SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities)	1. TRE 400 Statitik Industri 2. TRE 401 Simulasi Rangkaian Elektronika 3. TRE 402 Pemeliharaan Perangkat Elektronika 4. TRE 403 Programmable Logic Controller 5. TRE 404 Pemograman Berorientasi Objek 6. TRE 405 Aplikasi 7. KU2 TRE Bahasa Inggris

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
				Komunikasi Elektronika 8. PK3TRE Pendidikan Kewarganegaraan
67	Teknik Elektro	Sistem pengisian gelas otomatis untuk penyandang tunanetra berbasis kamera dan mikrokontroler menggunakan algoritma fuzzy	SDG 10 (Reduced Inequalities) SDG 9 (Industry, Innovation and Infrastructure) SDG 3 (Good Health and Well-Being)	1. Design Berbantuan Komputer Lanjut 2. Ergonomi Industri 3. Kecerdasan Buatan 4. Pengolahan Citra
68	Teknik Elektro	Alas Portable Pengubah Langkah Kaki Menjadi Energi Ramah Lingkungan Berbasis Piezoelektrik untuk Penyimpanan dan Pengisian Daya	SDG 7 (Affordable and Clean Energy) SDG 13 (Climate Action) SDG 9 (Industry, Innovation and Infrastructure)	1. Bahasa Inggris Dunia Kerja 2. Desain Sistem Mekatronika 3. Ergonomi Industri 4. Manajemen Proyek 5. Robotika dan Kecerdasan Buatan 6. Seminar Proposal 7. Supervisory Control and Data Acquisition
69	Teknik Elektro	GASMA : Helm Pintar dengan Deteksi Gas Berbahaya, Solusi Praktis untuk Keselamatan Optimal Pekerja di Tanki Minyak	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure) SDG 8 (Decent Work and Economic Growth)	1. Elektronika Digital/MK213 2. Pemrograman Berbasis Komputer/ MK214 3. Dasar Teknik Listrik/ MK215 4. Desain Berbantu Komputer Dasar/ MK216 5. Robotika Dan Kecerdasan Buatan/ MK612 6. Desain Sistem Mekatronika / MK614 7. Ergonomis Industri/MK615 8. Manajemen Proyek/MK616 9. Bahasa Inggris Dunia Kerja/ KU3MK
70	Teknik Elektro	Flood Map : Teknologi IoT untuk Deteksi Banjir Kota Batam dengan Pemantauan Real-Time pada Website Pemetaan	SDG 13 (Climate Action) SDG 11 (Sustainable Cities and Communities) SDG 6 (Clean Water and Sanitation)	1. Supervisory Control and Data Acquisition/ MK611 2. Robotika dan Kecerdasan Buatan/MK612 3. Seminar Proposal/MK613 4. Desain Sistem Mekatronika / MK614 5. Ergonomis Industri/MK615

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
				6. Manajemen Proyek/MK616 7. Bahasa Inggris Dunia Kerja/KU3MK 8. Pengolahan Citra/MK411 9. Pneumatik dan Hidrolik/MK412 10. Programmable Logic Controller/ MK413 11. Sistem Komunikasi Data dan Jaringan/MK414 12. Computer Numerical Control/MK415 13. Pendidikan Kewarganegaraan/PK3MK 14. Pendidikan Bahasa Indonesia/PK4MK
71	Teknik Elektro	Deteksi Orang Jatuh pada Manusia Berbasis Threshold	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure) SDG 10 (Reduced Inequalities)	1. Desain Berbantu Komputer Dasar/MK216 2. Desain Berbantu Komputer Lanjut/MK315 3. Internet Of Things (IoT)/MK515 4. Pemrograman Sistem Terbenam/ MK313 5. Robotika dan Kecerdasan Buatan / MK612
72	Teknik Elektro	VBuoy: Pelampung Remote Control Berbasis Propeller Dilengkapi dengan Smart Vision untuk Membantu Evakuasi Korban Tenggelam	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. Pendidikan Bahasa Indonesia/PK4MK 2. Pengolahan Citra /MK411 3. Sistem Komunikasi data Jaringan/MK414 4. Pendidikan Kewarganegaraan/PK3MK
73	Teknik Elektro	Integrasi IoT, YOLO 11, dan SVM Untuk Pengembangan Sistem Deteksi Cepat Penyakit Malaria Melalui Analisis Citra Darah Secara Real-Time	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. MK612 Robotika dan Kecerdasan Buatan 2. MK616 Manajemen Proyek 3. MK615 Ergonomi Industri 4. MK411 Pengolahan Citra
74	Teknik Elektro	Rancang Bangun Timbangan Kadar Lemak dalam Tubuh Untuk Mencegah Penyakit Degeneratif Menggunakan	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. Matematika Teknik / MK311 2. Bahasa Inggris Dunia kerja/KU3MK 3. Manajemen Proyek/MK616 4. Desain Berbantu Komputer Lanjut / MK315

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
		Metode Whole Body Measurement		5. Pendidikan Kewarganegaraan/ PK3MK 6. Pendidikan Bahasa Indonesia/ PK4MK
75	Teknik Elektro	Analisis Efektivitas Panel Surya dengan Mekanisme Tracking dalam Meningkatkan Efisiensi Energi	SDG 7 (Affordable and Clean Energy) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. Teknik Kalibrasi dan Pengukuran 2. SCADA dan DCS 3. Gambar Instrumentasi 4. Proyek Akhir dan Laporan 5. Bahasa Inggris Dunia Kerja
76	Teknik Elektro	Sistem cerdas bekam otomatis	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. Proyek dasar instrumentasi 2. Fisika dasar 3. Dasar Sistem Instrumentasi dan elektronika 4. Dasar Pemograman 5. Sistem Kontrol Industri 6. Teknologi Informasi dan Komunikasi 7. Proyek Monitor dan Kontrol 8. PLC dan aktuator 9. Seminar Proposal Proyek Akhir
77	Teknik Elektro	MONITORING SLOT PARKING	SDG 11 (Sustainable Cities and Communities) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. TRE400 Statistik Industri 2. TRE401 Simulasi Rangkaian Elektronika 3. TRE402 Pemeliharaan Perangkat Elektronika 4. TRE403 Programmable Logic Controller 5. TRE404 Pemrograman Berorientasi Objek 6. TRE405 Bahasa Inggris Komunikasi 7. TRE406 Aplikasi Elektronika 8. PK3TRE Pendidikan Kewarganegaraan
78	Manajemen Bisnis	Pengembangan Sistem Pembayaran Parkir Cashless di Kota Batam	SDG 11 (Sustainable Cities and Communities) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. Proyek Inovasi Agile 2. Mata Kuliah Pilihan 1 (Mobile) 3. Interaksi Manusia Komputer 4. Rekayasa Perangkat Lunak Lanjut 5. Statistika

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
79	Manajemen Bisnis	Aplikasi Tax Mobile Education	SDG 4 (Quality Education) SDG 9 (Industry, Innovation and Infrastructure) SDG 8 (Decent Work and Economic Growth)	1. Skripsi 2. Pengantar Perpajakan 3. Akuntansi Perusahaan Jasa
80	Manajemen Bisnis	Media Kreatif permainan bertemakan simulasi investasi saham	SDG 4 (Quality Education) SDG 9 (Industry, Innovation and Infrastructure) SDG 8 (Decent Work and Economic Growth)	1. Keuangan Bisnis 2. Analisis Laporan Keuangan 3. Manajemen Keuangan Bisnis
81	Manajemen Bisnis	Pendampingan Digitalisasi Untuk Perempuan Yang Bekerja Di Bidang Logistik dan Rantai Pasok Untuk Meningkatkan Kesetaraan Gender dalam STEM	SDG 4 (Quality Education) SDG 9 (Industry, Innovation and Infrastructure) SDG 8 (Decent Work and Economic Growth) SDG 10 (Reduced Inequalities)	1. Manajemen Hubungan Pelanggan 2. Manajemen Operasional dan Ecommerce 3. Negosiasi, inovasi dan produktifitas kerja 4. Manajemen Kualitas dan Resiko 5. Hukum Perdagangan Internasional 6. Perdagangan Internasional 7. Sistem perpajakan internasional 8. Akuntansi 9. Sistem Informasi Akuntansi 10. Auditing
82	Manajemen Bisnis	Inovasi Hand Cream Pelembab Kulit dari Buah Pelelepah Naga Yang memiliki Kandungan Air untuk Membantu Menjaga Hidrasi Tubuh	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure) SDG 12 (Responsible Consumption and Production) SDG 15 (Life on Land)	1. Keuangan Bisnis 2. Bahasa Inggris 3. Bahasa Indonesia
83	Manajemen Bisnis	Pengarusutamaan GEDSI 2025 di Politeknik Negeri Batam: Edukasi Pencegahan Kekerasan dan Polibatam Inklusi	SDG 4 (Quality Education) SDG 5 (Gender Equality) SDG 10 (Reduced Inequalities)	1. Social Skill Project 2. Pancasila 3. Aplikasi Komputer Perkantoran 4. Hukum dan Etika Bisnis

No	Jurusan	Judul PBL	SDG'S	Matkul yang terlibat
84	Manajemen Bisnis	RISET PENGEMBANGAN DESA WISATA MANGROVE	SDG 8 (Decent Work and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure) SDG 13 (Climate Action)	1. Metode Penelitian 2. Kewirausahaan 3. Manajemen Proyek
85	Manajemen Bisnis	RISET PENGEMBANGAN PARIWISATA KEPRI	SDG 8 (Decent Work and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure) SDG 11 (Sustainable Cities and Communities)	1. Metode Penelitian 2. Kewirausahaan 3. Manajemen Proyek
86	Teknik Mesin	Pembuatan Prototype Kapal Pengangkut Sampah	SDG 14 (Life Below Water) SDG 11 (Sustainable Cities and Communities) SDG 12 (Responsible Consumption and Production) SDG 7 (Affordable and Clean Energy)	1. Desain Struktur Kapal

Description:

(Please describe sustainability courses/subjects offered on your campus. The following is an example of the description. You can describe more related items if needed.)

Total number of courses with sustainability embedded for courses running: 237

Total number of Project-based learning with sustainable embedded for project running: 86

Politeknik Negeri Batam implements a Project-Based Learning (PBL) approach in its learning process. This evidence shows that sustainability aspects have been integrated into the learning process and curriculum. The data provided includes the implementing department, project title, relevant SDGs, and related courses.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.2] Total Number of Courses/Subjects Offered

No	Program Studi	Jumlah Mata Kuliah
1	Teknologi Rekayasa Elektronika	27
2	Teknik Mekatronika	23
3	Teknik Elektronika Manufaktur	18
4	Teknologi Rekayasa Robotika	24
5	Teknik Instrumentasi	15
6	Teknologi Rekayasa Pembangkit Energi	27
7	Teknik Informatika	17
8	Teknologi Geomatika	17
9	Teknologi Rekayasa Multimedia	24
10	Animasi	28
11	Rekayasa Keamanan Siber	24
12	Teknologi Rekayasa Perangkat Lunak	20
13	Teknologi Permainan	6
14	Teknik Komputer	5
15	Teknik Mesin	17
16	Teknologi Rekayasa Konstruksi Perkapalan	22
17	Teknik Perawatan Pesawat Udara	11
18	Teknologi Rekayasa Pengelasan dan Fabrikasi	17
19	Program Profesi Insinyur	6
20	Teknologi Rekayasa Metalurgi	6
21	Distribusi Barang	7
22	Akuntansi	16
23	Akuntansi Manajerial	24
24	Administrasi Bisnis Terapan	20
25	Logistik Perdagangan Internasional	28
		449

Description:

Total number of courses offered in 2024/2025 = **449** courses

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.3] Total number of study program related to sustainability offered

No	Major	Study Program
1	Electrical Engineering	Electronic Engineering Technology
2		Mechatronics engineering
3		Electronics Manufacturing Engineering
4		Robotics Engineering Technology
5		Instrumentation Engineering
6		Energy Generation Engineering Technology
7	Informatics Engineering	Informatics Engineering
8		Geomatics Technology
9		Multimedia Engineering Technology
10		Animation
11		Cyber Security Engineering
12		Software Engineering Technology
13		Gaming Technology
14		Computer Engineering
15	Mechanical Engineering	Mechanical Engineering
16		Marine Engineering Technology
17		Aircraft Maintenance Engineering
18		Welding and Fabrication Engineering Technology
19		Professional Engineering Program
20		Metallurgical Engineering Technology
21	Business Management	Distribution of Goods
22		Accountancy
23		Managerial Accounting
24		Applied Business Administration
25		International Trade Logistics
Number of study program related to sustainability offered		

Description:



(Please describe Total number of study program related to sustainability offered on your campus. The following is an example of the description. You can describe more related items if needed.)

Above is a list of the study program that have had changes approved through Curriculum Refresh programme which aims to embed sustainability into all course and module content offered by the University.

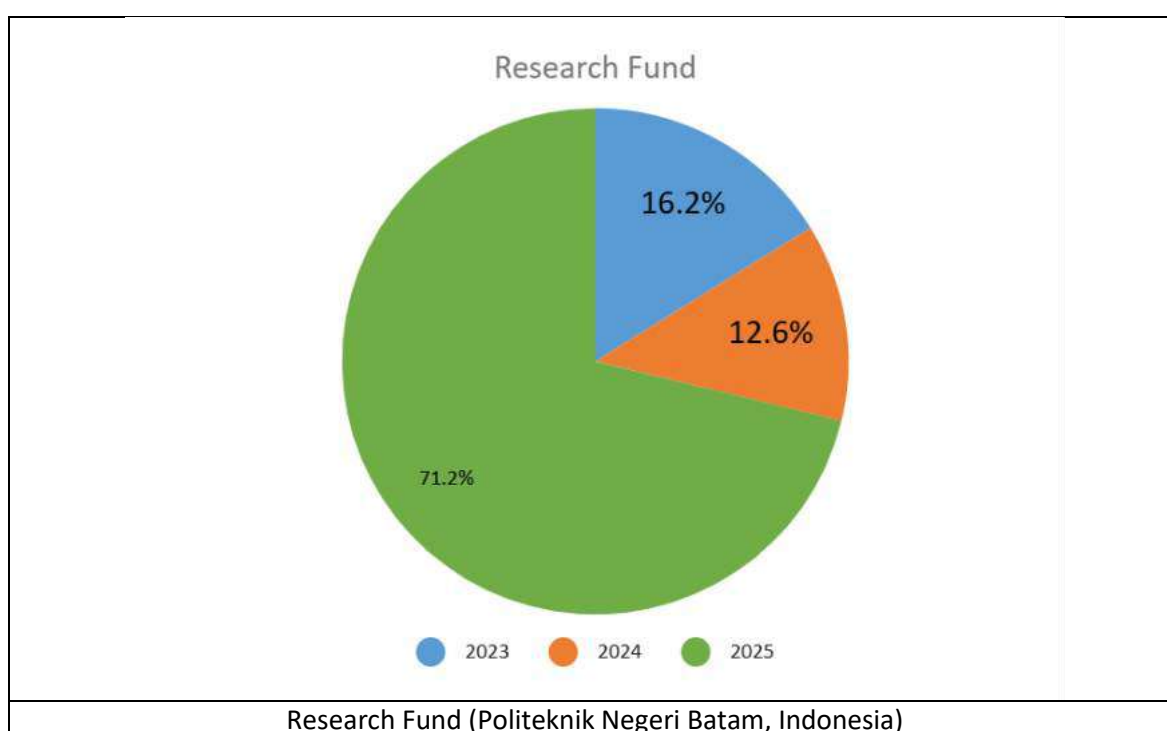
Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.5] Total Research Funds Dedicated to Sustainability Research (in US Dollars)



Description:

In the 2023 research year, there were three research schemes comprising 6 joint research titles, 51 applied research titles, 4 assigned research titles, and 37 community service titles. **In the 2024 research year**, there were two research schemes, including 4 joint research titles, 16 applied research titles, and 35 community service titles. **In the 2025 research year**, there are five programs with a total of 25 research titles. **In the April 2026 research year**, there are three programs with a total of 11 research titles.

Total research fund dedicated to sustainability research in 2023 = 89546,62 US Dollars

Total research fund dedicated to sustainability research in 2024 = 69934,68 US Dollars

Total research fund dedicated to sustainability research in 2025 = 237596,19 US Dollars

Total research fund dedicated to sustainability research in April 2026 = 156955,00 US Dollars

The averaged annum last 3 years of research fund dedicated to sustainability research = 184677.4967 US Dollars

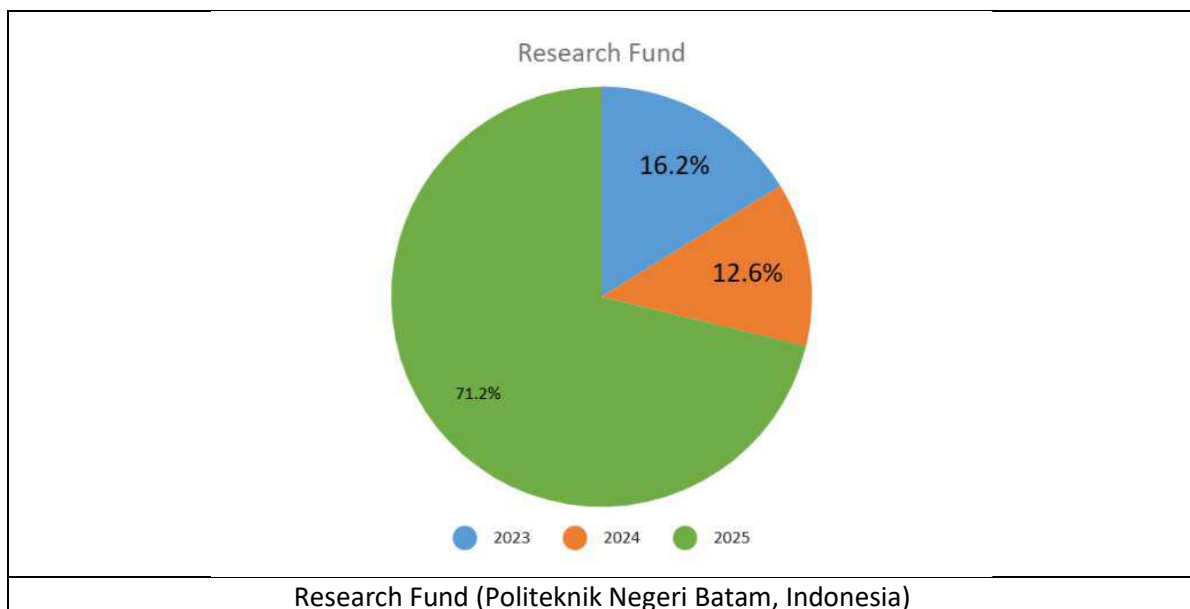
Additional evidence link: [Click Here](#)

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.6] Total Research Funds (in US Dollars)



Description:

The total research funding experienced fluctuations over the past three years. In 2023, the total research fund amounted to 89,546.62 US Dollars, which then decreased to 69,934.68 US Dollars in 2024. However, a significant increase occurred in 2025, with the total research funding reaching 237,596.19 US Dollars. As of April 2025, the research fund had already reached 156,955.00 US Dollars, indicating a positive growth trend in research activities and funding support.

Total research fund in 2023 = 89546,62 US Dollars

Total research fund in 2024 = 69934,68 US Dollars

Total research fund in 2025 = 237596,19 US Dollars

Total research fund in April 2025 = 156955,00 US Dollars

The averaged annum last 3 years of research fund = 184677.4967 US Dollars

Additional evidence link: [Click Here](#)

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.8] Number of lecturers and researchers on campus in one year period

No	Program Studi	Dosen PNS	Dosen PPPK	Dosen PPNP	Dosen Kontrak	Total Dosen
1	Prodi Administrasi Bisnis	16	6	1	0	23
2	Prodi Administrasi Menejerial	23	2	1	0	26
3	Prodi Akuntansi	9	8	0	0	17
4	Prodi Amto	0	0	0	7	7
5	Prodi Animasi	4	2	1	0	7
6	Prodi Elektro	8	2	0	1	11
7	Prodi Elektro Manufaktur	8	1	0	0	9
8	Prodi Informatika	13	4	0	0	17
9	Prodi Instrumentasi	6	4	0	0	10
10	Prodi Distribusi Barang	4	0	1	0	5
11	Prodi Geomatika	11	0	0	0	11
12	Prodi Kapal	8	1	1	1	11
13	Prodi Pengelasan	8	1	0	1	10
14	Prodi Logistik	12	1	0	1	14
15	Prodi Mekatronika	9	1	0	0	10
16	Prodi Metalurgi	8	0	0	0	8
17	Prodi Mesin	11	3	0	0	14
18	Prodi Profesi Insinyur	4	0	0	0	4
19	Prodi Keamanan Saiber	7	1	0	0	8
20	Prodi Robotika	10	1	0	0	11
21	Prodi Rekayasa Pembangkit Energi	14	2	0	0	16
22	Prodi Teknik Komputer	5	0	0	0	5
23	Prodi Teknik Permainan	5	1	0	0	6
24	Prodi Teknik Perawatan Pesawat Ud.	8	0	0	4	12
25	Prodi Teknik Rekayasa Multimedia	8	2	2	0	12
26	Prodi Teknik Rekayasa Perangkat Lunak	10	1	0	0	11

Number lecturers and researchers (Politeknik Negeri Batam, Indonesia)

Description:

HR Department

Batam State Polytechnic (Polibatam) is the only Vocational State University (PTN) in the Batam, Bintan, and Karimun free port and trade area of Riau Islands Province. In addition to being located in one of the national economic growth centers, Polibatam is also located in the outermost and foremost region of the Republic of Indonesia, directly bordering international waters. Batam State Polytechnic has four departments and twenty-six study programs. Each study program is taught by lecturers with several statuses, namely Civil Servant Lecturers, Contract Employees, Employees with Work Agreements, and Permanent Employees.



Research and Community Service Center

The number of research projects conducted reached **37 titles**, with the active participation of **118 lecturer-researchers**. The high level of faculty involvement in research activities reflects a continuous commitment to strengthening the academic culture, enhancing the quality of research, and supporting the achievement of the institution's performance targets in the field of research.

Additional evidence

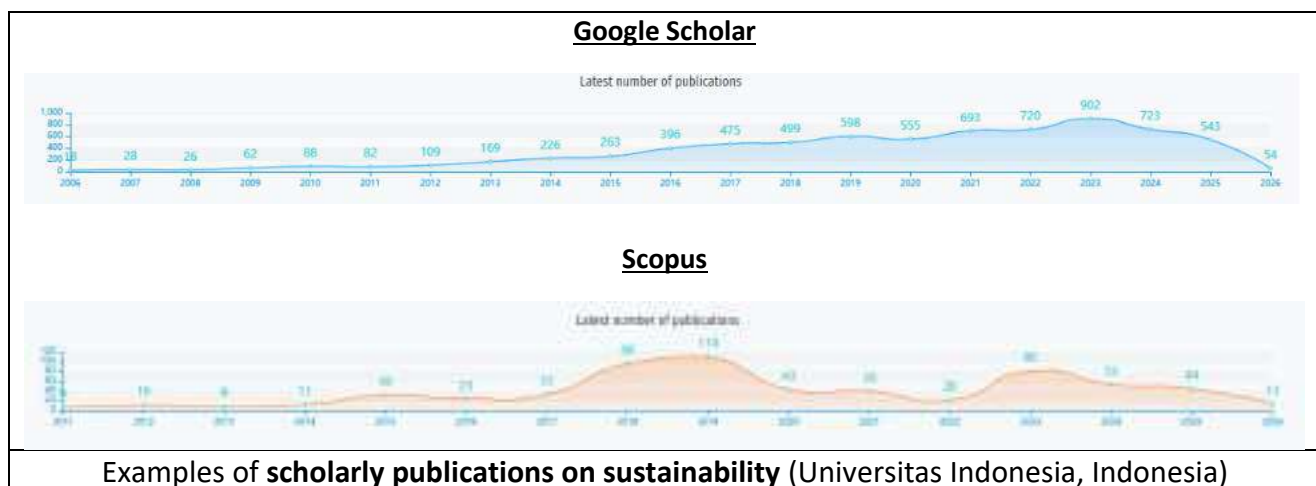
- HR Department: [Click Here](#)
- Research and Community Service Center link: [Click Here](#)

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.9] Number of scholarly publications on sustainability in one year period



Description (Last update: 2026-04-27):

Total number of sustainability/environmental publications based on **Google Scholar** data:

2026: 54
2025: 543
2024: 723
2023: 902

Link SINTA (Google Scholar): <https://sinta.kemdiktisaintek.go.id/affiliations/profile/564/?view=googlescholar>

Total number of sustainability/environmental publications based on **Scopus** data:

2026: 13
2025: 44
2024: 53
2023: 80

Link SINTA (Scopus): <https://sinta.kemdiktisaintek.go.id/affiliations/profile/564/?view=scopus>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.10] Ratio of scholarly publications on sustainability to lecturers and researchers on campus in one year period (ED.3)

Total lecturers and researchers in one year period	299
Total scholarly publication in one year period	597 publications

Description:

Total number of sustainability/environmental publications based on Google Scholar data:
2025 – April 2026= 597

Ratio of scholarly publications on sustainability to lecturers and researchers on campus in one year period:

Total scholarly publication in one year period/ Total lecturers and researchers in one year period

= 597/299

= 1.99

Link Google Scholar (Sinta): <https://sinta.kemdiktisaintek.go.id/affiliations/profile/564/?view=googlescholar>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.11] Number of Events Related to Sustainability (ED.4)



ICAE & ICAESS 2025

The 8th International Conference on Applied Engineering
The 7th International Conference on Applied Economics and Social Science

OCTOBER 30-31, 2025
(HYBRID CONFERENCE)

GENERAL THEME
BEYOND SUSTAINABILITY
REGENERATIVE INNOVATION IN THE AGE OF ARTIFICIAL INTELLIGENCE

KEYNOTE SPEAKER

- Dr. Siti Azirah Binti Asmai**
University Teknikal Malaysia Melaka, Malaysia
- Dr. Nurfazina Mohd Zamry**
University Teknologi Malaysia, Malaysia
- Hadjier Benmeziane, PhD**
University Polytechnique Hauts-de-France
- Prof. Dr. Y. Bandung**
Institut Teknologi Bandung, Indonesia
- Dr. Say Yeon Teoh**
RMIT University, Australia
- Dr. Tarek Rana**
RMIT University, Australia
- Dr. Benny Tjahjono**
Conventry University, UK
(in Confirmation)

IMPORTANT DATE

- **Submission Deadline**
September 30, 2025
- **Acceptance notification**
October 05, 2025
- **Final Manuscript and Payment**
October 17, 2025
- **Conference Date**
October 30-31, 2025

REGISTRATION FEES
(Non Polibatam Authors)

- Professional : Rp 2.500.000/ 175 USD
- Student : Rp 2.300.000/ 150 USD
- Poster : Rp 500.000/ 40 USD
- Participant : Rp 500.000/ 40 USD

SUBMISSION

Paper Template Submission Tutorial Co-Host Proposal

ICAE & ICAESS Proceedings 2025 will be published in:

ATLANTIS PRESS

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ICAESS TRACK
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ACCOUNTING TRACK
SOCIAL SCIENCES TRACK

icae@polibatam.ac.id icaess@polibatam.ac.id icae.polibatam.ac.id icaess.polibatam.ac.id



2025

IEEE International Conference on Data and Software Engineering (ICoDSE)

"Generative AI Meets Data and Software Engineering: Challenges and Innovations"

28-29 October 2025
Politeknik Negeri Batam, Indonesia & Zoom (Hybrid)



Assoc. Prof. Christoph Treude
Computing & Information Systems, SML, Singapore
From Code Generation to Model Reuse: Getting Human-AI Interaction Right in Software Engineering

Shrinath Thube
IS/IT Software Developer, IEEE Senior Member, IEEE CISCSE 2025, USA
GenAI Observability: The Trust Layer for AI at Scale

Assoc. Prof. Dr. Ir. G.A. Putri Saptawati, M.Comm.
Knowledge & Software Engineering, Research Group ITB, Indonesia
Unveiling Hidden Patterns: The Power of Graph-based Machine Learning in Big Data

Univ. Prof. Marta Sabou, Ph.D.
Institute for Data, Process, & Knowledge Management, WU, Austria
Bridging Minds and Machines: Rethinking Knowledge Engineering in the age of Neurosymbolic AI

Special Session

by Dr. GANESH KUMAR
Department of Computing, UTP, Malaysia
Hendra Kurniawan, S.Kom., M.Sc.Eng, Ph.D
UMRAH, Indonesia

Generative AI for Education – Transforming Learning, Teaching, and Assessment

This special session will explore how Generative AI technologies are revolutionizing education from personalized learning and curriculum design to adaptive assessment, intelligent tutoring, and ethical considerations in AI-powered classrooms.

Topics include AI assisted content creation, LLM based student support, learning analytics, educational chatbots, and ensuring data privacy and fairness in AI tools for education.

Topics

SOFTWARE ENGINEERING TRACK

- Software Engineering Process & Lifecycle
- Business Process Management System
- Empirical Software Engineering
- Software Project Management
- Software Quality Assurance
- Requirements Engineering
- Software Technologies
- Software Architecture
- Software Measurement
- Agile Methodology
- Cloud Computing
- Software Analysis and Design Methods
- SOA (Service Oriented Architecture)
- Software Engineering Education
- Security Software and System
- Software Engineering Tools
- Ultra Large-Scale System
- Software Product Line
- Open Source Software
- Extreme Programming
- Software Industry

DATA ENGINEERING TRACK

- Data and Knowledge Modeling
- Knowledge-Based Management Systems
- Spatial and Temporal Database
- Semantic Web Technology
- Data/Process Mining
- Distributed Database
- Big Data
- Ontology
- Database Technology
- Information Management Practices
- Data and Information Security
- Knowledge Discovery in Data
- Data Visualization & Analytics
- Business Intelligence
- Open Data
- Web Analytics
- Data Science

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International Attendee: USD 150
Domestic Attendee: Rp 1.500.000

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International Conference On Applied Economics and Social Science

THE 6TH ICAESS

Politeknik Negeri Batam, Indonesia
1 - 2 October 2024

**Envisioning a Sustainable Future:
Synergizing Green Economy,
Circularity, Smart Cities, and
Digitalization through Applied Engineering.**

TOPIC

**ECONOMICS TRACK
MANAGEMENT TRACK
ACCOUNTING TRACK
SOCIAL SCIENCES TRACK**

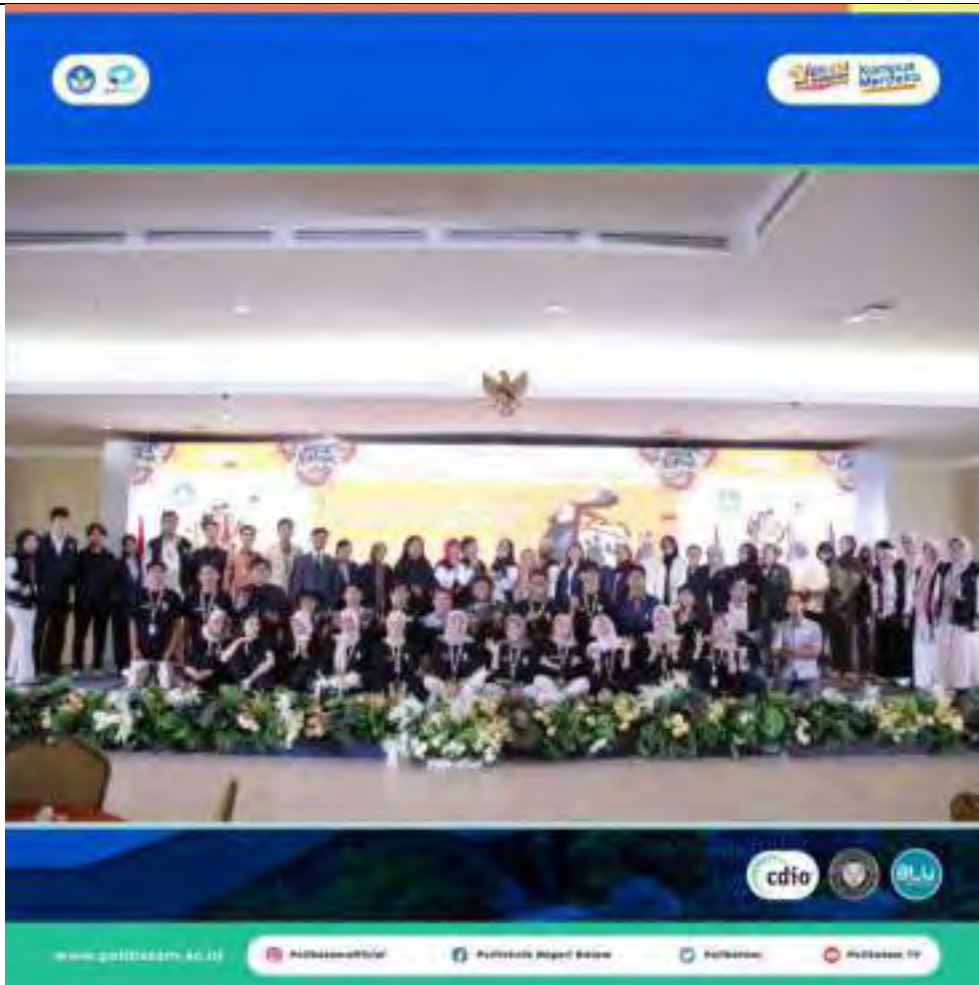
Keynote Speaker

					
Dr. Heryanto Chairman of the Board of Directors, PT. Bank Negeri Batam (BNTB) and President of PT. Bank Negeri Batam Kantor Cabang Batam	Dr. Heryanto President of the Board of Directors, PT. Bank Negeri Batam (BNTB) and President of PT. Bank Negeri Batam Kantor Cabang Batam	Dr. Heryanto President of the Board of Directors, PT. Bank Negeri Batam (BNTB) and President of PT. Bank Negeri Batam Kantor Cabang Batam	Dr. Heryanto President of the Board of Directors, PT. Bank Negeri Batam (BNTB) and President of PT. Bank Negeri Batam Kantor Cabang Batam	Dr. Heryanto President of the Board of Directors, PT. Bank Negeri Batam (BNTB) and President of PT. Bank Negeri Batam Kantor Cabang Batam	Dr. Heryanto President of the Board of Directors, PT. Bank Negeri Batam (BNTB) and President of PT. Bank Negeri Batam Kantor Cabang Batam



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Sixth International Conference on Applied Economics and Social Science (ICAESS 2024) dan The Seventh International Conference on Applied Engineering (ICAE 2024)

Link News: <https://www.polibatam.ac.id/politeknik-negeri-batam-sukses-selenggarakan-konferensi-internasional-icae-dan-icaess-2024/>

Link Instagram: https://www.instagram.com/p/DB8R6v9TII9/?img_index=1

Link Proceeding ICAE: <https://icae.polibatam.ac.id/>

Link Proceeding ICAESS: <https://icaess.polibatam.ac.id/>



JURNAL INTEGRASI

Jurnal Integrasi (JI) menerima publikasi hasil dari penelitian, terbit satu tahun dua kali berfokus pada topik yang berkaitan dengan hasil penelitian di bidang teknik dan rekayasa. Pada saat ini JI sudah indeks [SINTA](#), dengan SINTA score S4, e-ISSN: [2548-9828](#)

Mulai terbitan tahun 2026 akan menggunakan bahasa Inggris

Jurnal Integrasi (JI) accepts publication of research results, which are published twice a year focusing on topics related to research results in engineering and technology. JI has a SINTA index with a [SINTA](#) score of S4, e-ISSN: [2548-9828](#)

Starting from 2026, the publication will use English.

[View Journal](#) [Current Issue](#)

Simulation of Mobile Robot Navigation System using Hector SLAM on ROS

Hendawan Soebhakti, Robbi Hermawansya Pangantar
2024-03-27

11-20

Analisis Pengaruh Temperatur Ambient Terhadap Kinerja Cooling Tower Unit 2 Berdasarkan Evaluasi Range dan Approach pada PLTGU PT Mitra Energi Batam

Firman Manahan Panjaitan, Irwanto Zarma Putra
2025-04-30

32-39

Implementasi Pemetaan Robot Roda Mecanum Otonom Berbasis LIDAR dengan SLAM

Senanjung Prayoga, Diki Sahidan
2025-04-30

18-23

Analisis Pengukuran Produktivitas Bagian Produksi Dengan Metode Objective Matrix (Omax) Pada Pabrik Roti Dinamis

Dessy Siar Rehulina Br Sembiring, Rizqi Wahyudi, Andhyka Tyaz Nugraha
2025-04-30

24-31

Pembuatan Karbon Aktif dari Ampas Kopi Robusta dan Tempurung Kelapa dengan Variasi Konsentrasi Aktivator Kalium Hidroksida

Saputri Anggraeni Pusphaningrum, Ayu Pramita, Dodi Satriawan
2023-10-31

131-141

1 - 5 of 5 Items

Jurnal Integrasi

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Jurnal Akuntansi, Ekonomi dan Manajemen Bisnis

Jurnal Akuntansi, Ekonomi dan Manajemen Bisnis (JAEMB) menerima publikasi hasil dari penelitian. Terbit satu tahun dua kali berfokus pada topik yang berkaitan dengan hasil penelitian di bidang akuntansi, ekonomi, manajemen dan bisnis. Pada saat ini JAEMB sudah indeks [SINTA](#), dengan SINTA score S3. **e-ISSN: [2548-9836](#)**

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2. <https://jurnal.polibatam.ac.id/index.php/JAEMB/search/index?query=environment&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=>



Journal of Applied Geospatial Information

Journal of Applied Geospatial Information (JAGI) is a national and international peer review journal published by Politeknik Negeri Batam. The JAGI is issued 2 times a year in electronic form, publishes Original Research Articles (full papers and short communications) and Review (full and mini-reviews) in all aspects of result research in the field of science/engineering: terrestrial and marine (geomatics, geophysics, geography, geology, geographic information systems, remote sensing, cartography, oceanography, hydrography, marine science and technology). We encourage all interested contributors to submit their work for consideration. [e-ISSN \(Online\): 2579-3608 ; DOI: 10.30871/jagi](https://doi.org/10.30871/jagi)

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Journal of Applied Informatics and Computing

Journal of Applied Informatics and Computing (JAIC) is a peer-reviewed open access journal. We invite lecturers, researchers and students to exchange and disseminate theories and practices oriented towards the application of Informatics and computing. Submitted papers can be written in Indonesian and English (preferably) for the initial review stage by the editor and two reviewers. The Journal covers the whole spectrum of applied informatics and computing, which includes, but is not limited to: Applied Informatics, Applied Computing, Applied Mathematics, Applied Network Computing.

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- (1. <https://jurnal.polibatam.ac.id/index.php/JAIC/search/index?query=sustainability&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=>
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Journal of Applied Accounting and Taxation

Journal of Applied Accounting and Taxation (JAAT) is a journal published by Politeknik Negeri Batam. The journal is predominantly devoted to applied accounting, taxation, and finance with special focus on industries problem solving. JAAT publish quality articles based on empirical research, theoretical and practical articles. The JAAT is issued 2 times a year in electronic form. The electronic pdf version is accessible on the internet free of charge. We encourage all interested contributors to submit their work for consideration.

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JAAT has been [Sinta indexed](#) and certificated as an Accredited Journal by Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi Republik Indonesia based on [SK No. 158/E/KPT/2021](#) on December 27, 2021. Valid from Vol 6 No 1 (2021) to Vol 10 No 2 (2025).

[e-ISSN: 2548-9925](#)

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Journal of Applied Business Administration

Journal of Applied Business Administration (JABA) published since July 2017 by the Pusat P2M Politeknik Negeri Batam. JABA is a business journal with a focus on practical applications, which aims to bridge the gap between research and practice by evaluating and reporting on new research to help readers identify and understand significant trends in their fields.

JABA encourages contributing academicians and researchers to address a variety of concerns relating to all areas of business and also encourages students to use an interdisciplinary approach to analyzing a topic, which often yields interesting and novel papers. The published articles offer valuable insight into matters of broad intellectual and practical concern to academicians and business professionals.

JABA is published twice a year, in March and September, and the electronic PDF version is accessible on the internet free of charge. All interested contributors are encouraged to submit their work for consideration, and the e-ISSN is [7548-9909](#). JABA has been accredited by the National Journal Accreditation (ARJUNA) Managed by the Ministry of Education, Culture, Research, and Technology (Kemendikbudristek), according to the Decree No. 0547/E5/DI.05.00/2024

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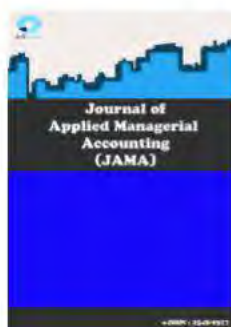
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JOURNAL OF APPLIED MANAGERIAL ACCOUNTING



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The *Journal of Applied Managerial Accounting (JAMA)* is biannually (Mei and October) peer reviewed journal published by the Center for Research and Community Service (P2M) in collaboration with the Managerial Accounting Study Program at Politeknik Negeri Batam.

JAMA focuses on applied research in managerial accounting and finance, with a strong emphasis on practical solutions to industry-related problems. JAMA publishes high-quality empirical, theoretical, and practical articles in electronic format, freely accessible online.

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- (1. <https://jurnal.polibatam.ac.id/index.php/JAMA/search/index?query=sustainability&dateFromYear=2023&dateFromMonth=&dateFromDay=&dateToYear=2025&dateToMonth=&dateToDay=&authors=>
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Journal of Applied Electrical Engineering

JAE (Journal of Applied Electrical Engineering) e-ISSN: 2548-9682 is a peer-reviewed scientific journal published by Department of Electrical Engineering, Batamstate Polytechnic, Indonesia. It is a free-of-charge open access journal published in two issues per year (June, December). JAE is accredited by the Ministry of Research and Technology (No. 152/E/KPT/2023)(SINTA 4).

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JOURNAL OF APPLIED MULTIMEDIA AND NETWORKING

JAMN
JOURNAL OF APPLIED
MULTIMEDIA AND NETWORKING
Online ISSN: 2548-6853

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Jurnal Teknologi dan Riset Terapan (JATRA)

Jurnal Teknologi dan Riset Terapan (JATRA) is scientific, peer-reviewed and open access journal managed and published by Research and Community Services, Politeknik Negeri Batam. *Jurnal Teknologi dan Riset Terapan (JATRA)* publishes full research articles in the area on Applied Engineering and Technology from the following subject areas: Mechanical Engineering, Marine Engineering, Naval Architecture, Aerospace Engineering and Aircraft Maintenance, Electrical Engineering, Industrial Engineering, Informatics Engineering, Material Science and Engineering, Manufacturing Processes, Microelectronics, and other application of mechanical, electrical, electronic and informatics in applied engineering and technology. The journal is published two times a year on June and December. We encourage all interested contributors to submit article for consideration

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Jurnal Pengabdian kepada Masyarakat Politeknik Negeri Batam

Jurnal Pengabdian kepada Masyarakat Politeknik Negeri Batam adalah jurnal multidisiplin ilmiah yang diterbitkan oleh Politeknik Negeri Batam. Tujuan publikasi jurnal ini adalah untuk menyebarkan pemikiran konseptual atau ide-ide dan hasil penelitian yang telah dicapai di bidang pengabdian masyarakat. Jurnal Pengabdian kepada Masyarakat Politeknik Negeri Batam berisi berbagai kegiatan dalam penanganan dan mengelola berbagai potensi, kendala, tantangan, dan masalah yang ada di masyarakat. Pelaksanaan kegiatan pelayanan juga melibatkan partisipasi masyarakat dan mitra. Kegiatan pelayanan tersebut akan disusun dalam suatu kegiatan yang bertujuan untuk meningkatkan kesejahteraan masyarakat.

E-ISSN: [2685-4422](#)

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Jurnal Pengabdian kepada Masyarakat Politeknik Negeri Batam mulai diterbitkan pada tahun 2019 dengan Volume 1, Nomor 1. Jurnal AbdiMas mengundang seluruh penulis untuk mengirimkan artikel atau manuskrip di bidang pengabdian kepada masyarakat. **Jurnal Pengabdian kepada Masyarakat Politeknik Negeri Batam** terbit dua kali dalam satu tahun yaitu pada bulan **Juni** dan **Desember**.

Jurnal Pengabdian kepada Masyarakat Politeknik Negeri Batam telah terindeks **SINTA peringkat 5** berdasarkan Keputusan Dirjen Pendidikan Tinggi, Riset, dan Teknologi Kemdikbudristek Nomor 177/E/KPT/2024 per tanggal 15 Oktober 2024.

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Education on Food Waste (Organic) Management for Youth in Batam City

Sartikha Sartikha, Maria Maria, Yeni Rokhayati, Metta Santiputri, Selly Artaty Zega, Miratul Khusna Mufida, Alena Uperiati, Supardianto Supardianto, Liony Lumombo
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Jurnal Pengabdian kepada Masyarakat

- (1. <https://jurnal.polibatam.ac.id/index.php/AbdiMas/search/index?query=sustainability&dateFromYear=2023&dateFromMonth=&dateFromDay=&dateToYear=2025&dateToMonth=&dateToDay=&authors=>
- (2. <https://jurnal.polibatam.ac.id/index.php/AbdiMas/search/index?query=environment&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=>
- (3. <https://jurnal.polibatam.ac.id/index.php/AbdiMas/search/index?query=lingkungan&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=>



JOURNAL OF DIGITAL EDUCATION, COMMUNICATION, AND ARTS (DECA)

Journal of Digital Education, Communication, and Arts (DECA) is a venue for academics, educators, students, and practitioner-researchers in diverse fields of study interested in investigating digital media use in education, communication, and arts. The journal is interdisciplinary and open to papers in the fields of education, linguistics, language teaching and learning, visual communication, animation, multimedia, and beyond. e-ISSN [2614-6816](#) (online)

[View Journal](#) [Current Issue](#)

PEMBUATAN VIDEO ANIMASI "GREEN TOURISM" SEBAGAI MEDIA EDUKASI DALAM UPAYA MENGURANGI PERMASALAHAN SAMPAH PLASTIK

Ethan Zahrul Ramadhan, Nurul Fathya Rahma Puspita Ramadhani, Zakky Nooruddin Jamilulhaqq

100-109

2023-12-18

1 of 1 item

Journal of Digital Education, Communication, and Arts

(<https://jurnal.polibatam.ac.id/index.php/DECA/search/index?query=environment&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2023&dateToMonth=12&dateToDay=31&authors=>)

Description:

Related to sustainability and environmental problems, there are 77 publications (2023-2025), from 12 journal publications.

2023: 14

2024: 23

2025: 31

Politeknik Negeri Batam does a lot of academic and scientific work to raise awareness of sustainability and environmental responsibility. From 2023 to 2025, the institution published 77 articles and held events about sustainability and the environment in 12 institutional journals.

Some of these journals are Jurnal Integrasi, Jurnal Akuntansi, Ekonomi dan Manajemen Bisnis, Journal of Applied Geospatial Information, Journal of Applied Informatics and Computing, Journal of Applied Accounting and Taxation, Journal of Applied Business Administration, Journal of Applied Managerial Accounting, Journal of Applied Electrical Engineering, Journal of Applied Multimedia and Networking, Jurnal Teknologi dan Riset Terapan, Jurnal Pengabdian kepada Masyarakat, and Journal of Digital Education, Communication, and Arts.

The activities recorded include research dissemination, seminars, and community involvement programs that focus on sustainability topics such renewable energy, environmental management, digital innovation for the green economy, and sustainable corporate practices. These events and publications show that Polibatam is making a big difference in Indonesia's sustainability education and applied research.

All data and proof are corroborated by journal publishing records and institutional repositories, illustrating the



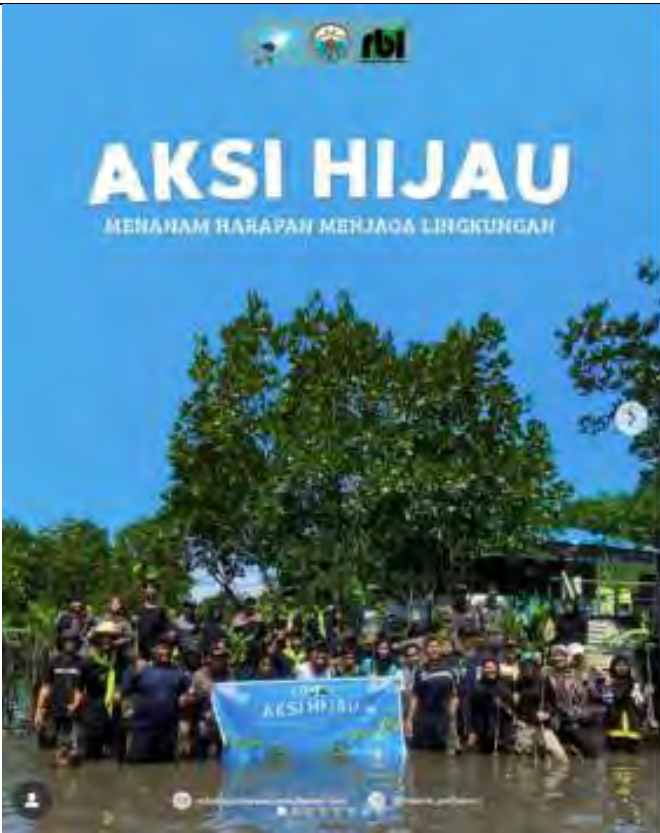
quantity, distribution, and thematic significance of sustainability-related outputs throughout the specified timeframe.

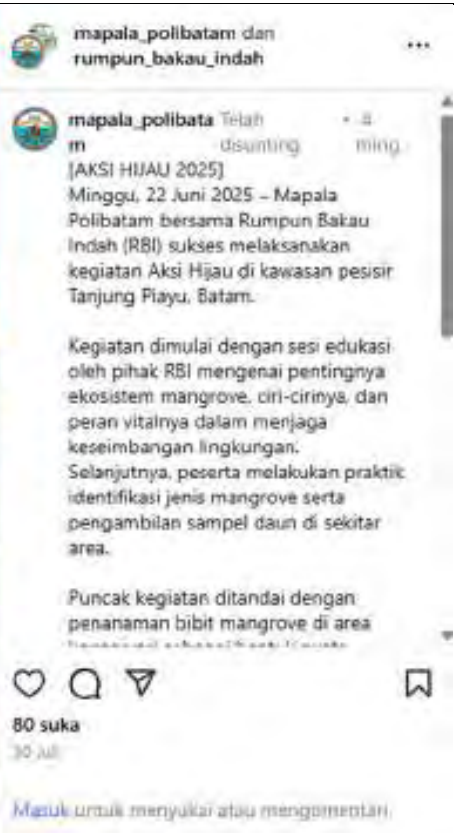
Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.12] Number of activities organized by student organizations related to sustainability per year (ED.5)





Green Action Together

This activity is a concrete effort to restore and preserve degraded land through tree planting, both inside and outside forest areas. It aims to educate members and students about the importance of environmental conservation and creating a greener environment. The activity also enhances understanding of the vital role plants play in producing oxygen and maintaining the balance of the Earth's ecosystem.



Recycled Bulletin Board Competition

The Recycled Bulletin Board Competition is a platform for participants to showcase their artistic talents and creativity by creating engaging and educational information displays. Using recycled materials, participants are encouraged to manage waste creatively, raising awareness about the importance of proper waste management. This competition also provides a space for participants to express themselves and convey meaningful messages through their bulletin board creations.



Program to Strengthen the Capacity of Student Organizations

Design of an Integrated Solar Energy-Based Waste Management System to Enhance the Circular Economy and Sustainability of Seraya Island

Instagram



p2k.hmmbpb

15 posts · 114 followers · 22 following

Education

Program Penguatan Kapasitas Organisasi Mahasiswa

Himpunan Mahasiswa Manajemen Bisnis-2025

Politeknik Negeri Batam

Program to Strengthen the Capacity of Student Organizations

Sustainable Waste Management through Community-Based Initiatives, Participatory Education, and Environmental Action Towards a Clean and Mosquito-Free Akar Island



Program to Strengthen the Capacity of Student Organizations

Smart Monitoring System for Optimizing Soil pH and Moisture to Increase Agricultural Productivity in Sidomulyo Village Towards Modern Farming



Description:

In community service activities there were 33 titles, involving 307 students.

Politeknik Negeri Batam promotes sustainability and environmental responsibility through student-led initiatives. These programs, organized by student groups, encourage behavioural change, improve environmental literacy, and foster community involvement in sustainable practices.

These activities encompass environmental clean-ups, recycling competitions, and community empowerment projects that emphasize renewable energy adoption and sustainable waste management. Examples include the following initiatives.

- **Clean-up Activity:** This initiative involves collective efforts to reduce waste and prevent pollution by cleaning the local environment, thereby raising awareness of environmental hygiene and sustainability.
- **Green Action Together:** This tree-planting and land restoration program educates students on the significance of conservation and the function of vegetation in supporting ecological balance.
- **Recycled Bulletin Board Competition:** A creative initiative encouraging waste reduction and artistic expression using recycled materials, promoting responsible waste management.
- **Community-Based Programs under the Capacity Strengthening Initiative:**
- **Design of an Integrated Solar Energy-Based Waste Management System on Seraya Island,** promoting circular economy principles and renewable energy use.
- **Sustainable waste management on Akar Island** is promoted through community education and environmental action, which increases public awareness of health and effective waste control.
- **Smart Monitoring System for Soil pH and Moisture in Sidomulyo Village,** promoting precision agriculture for sustainable food production.

These activities collectively support several Sustainable Development Goals (SDGs), notably: SDG 7 (Affordable and Clean Energy), SDG 11 (Sustainable Cities and Communities), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action), SDG 14 (Life Below Water), and SDG 15 (Life on Land).

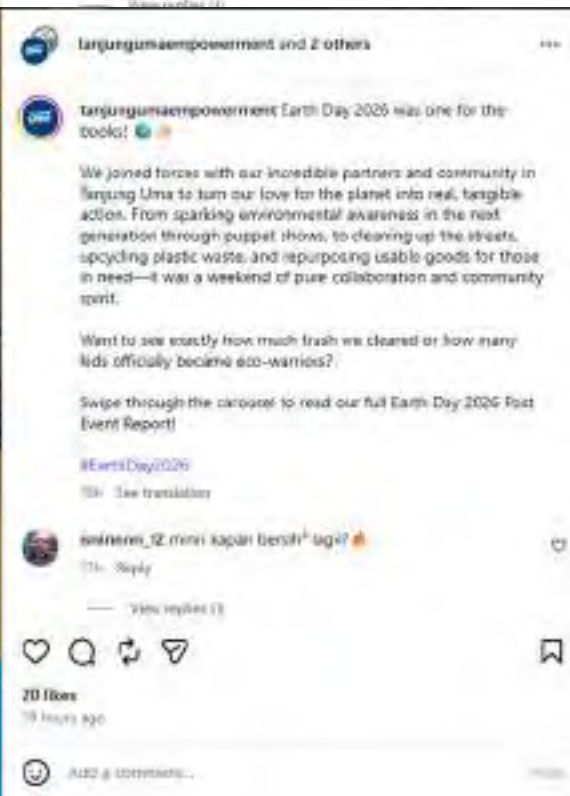


Clean-up activity - This activity is a joint effort to clean up the surrounding environment in order to reduce waste and prevent environmental pollution. The purpose of this activity is to raise awareness of the importance of maintaining cleanliness and environmental sustainability, as well as to encourage students to actively participate in creating a healthier and more comfortable environment, foster a sense of environmental responsibility, and make a positive impact on the surrounding community.



In commemoration of World Cleanup Day in collaboration with World Cleanup Day Indonesia, a coastal clean-up activity was carried out as a concrete effort to reduce the impact of marine pollution caused by waste. This initiative aimed not only to clean the environment but also to raise public awareness about the importance of maintaining the cleanliness of the sea and coastal areas. It is expected that this activity will foster a sense of shared responsibility in preserving the environment and reducing the habit of littering.





Mapala Politeknik Negeri Batam, in collaboration with the Tanjung Uma Empowerment Community, carried out a Cleanup Action to commemorate Earth Day 2026. This activity aims to raise environmental awareness and maintain the cleanliness and beauty of the surrounding environment.

The series of activities included an environmental cleanup action, a plastic management workshop, as well as storytelling, and puppet shows intended for children as a means of early environmental education. In addition, this activity also involved the collection of used goods to support more sustainable waste management.

Kegiatan Lomba yang diikuti oleh mahasiswa

No	Nama Kompetisi Lomba	Peringkat	Nama Mahasiswa	Nama Dosen
1.	INTERNASIONAL PBL EXPO 2025	Partisipasi	Bambang Fadhila Yusuf	Ir. Kamarudin, S.T., M.T, IPM
		Juara 2	Rahmatdi Afiyanto	
			Muhammad Rizky Effendi	
			Herry Kristiadi Panjaitan	
			Alfath Mudzakir	
			Muhammad Razaq Dewandra	
			Rio Baginda Pasaribu	
2.	Kontes Kapal Indonesia (KKI) Tahun 2025	Apresiasi	Boy Raja Aritonang	Ir. Hendra Saputra, S.T., M.Eng
			Alfico Ramadhan	
			Mohamad Hafiz Faidillah	
			Fitria Lutfi Syahrani	
3.	Ibnu Sina Badminton Tournament/Seleksi Pomnas Kepri	Juara 1	Syifa Natasya Ruwaida Gultom	Ridho Tanso Rikalmi, S.Tr.Akun., M.Ak
			Elisabeth Simamora	
4.	Musabaqah Tilawatil Qur'an Politeknik Nasional (MTQPN)	Juara 1	Dani Muti Aziz	Rizky Sapriadi S.TR.AK.
		Juara 3 Cabang Hifdzil Putri	Siti Nabilah	
		Juara 1 Cabang Tilawah Putra	Waly Farihin	
		Juara 2 Juara II Cabang Tilawah Putra	Fadhal Rahman	
		Juara 3 Jayyid	Siti Nabilah	
5.	International Globalpreneur Exchange (GEX) 2025	Gold	Meiske Priskilla Sahertian	1. Fuad Arif Rahman, S.A.B., MTV. 2. Ferialia Fitri, S.T, M.T
			Tyas Wening Ayu Sawitri	
			Johana Putri Thresia Pardosi	
			Arinah Dhiaurrahma	
			Adinda Giffari Khiarunissa	
			Khalif Al- Kautsar Macca	
			Gryson Krishner Haloho	

No	Nama Kompetisi Lomba	Peringkat	Nama Mahasiswa	Nama Dosen
			Muhammad Roihan	
			Togi Roberto Situmorang	
			Ilham Nur Rahmatullah	
6.	Pekan Olahraga Mahasiswa Daerah Provinsi Kepulauan Riau 2025	Juara 1	Sanggam D Pangaribuan	1. Ridho Tanso Rikalmi, S.Tr.Akun., M.Ak 2. Andre Agus Setiawan Sitepu, S.Tr. 3. Salmu Fajri, S.Tr.Ak.
		Juara 2	Rifky Efendi	
		Juara 3	Asnan Rizqy Benarivo	
		Juara 2	Zahrotul Millah	
		Juara 3	Oyi Febrianti Pasma Saputri	
		Juara 1	Dicky Saputra Hasudungan	
		Juara 2	Bayu Nurrizky	
		Juara 2	Pedro Ananda Hutabarat	
		Juara 3	Asnan Rizqy Benarivo	
		Juara 1	Naufal Rizky F	
7.	Tournament Tennis Meja Antar Mahasiswa Se-Provinsi KEPRI	Juara 3	Arya Bagus	Danar Irianto, S.E., M.Acc., Ak.
		Juara 1	Helmy Alim	
			Arya Bagus	
		Juara 2	Helmy Alim	
		Juara 2	Zahrotul Millah	
		Juara 1	Defriyani Siregar	
			Zahrotul Millah	
8.	APAFEST	Terbaik 6	Marisa Atmayanti	1. Diah Amalia, S.E., M.Ak., Ak 2. Dewi Junita, S.E., M.Ak.
			Najwa Mutiara Jasmine	
			Rachel Elfriede Nadapdap	
			Ningsih Sulastri Pulungan	
			Audy Khairani	
9.	Inovasi Teknologi Tepat Guna Tingkat Provinsi	Juara Harapan 1	Rizky Saputra	1. Diono, S.Tr.T., M.Sc., 2. Muhammad Naufal Airlangga Diputra, S.Pd., M.P.H.
			Habib Sulaiman	
			Vinda Yessica	
		Juara 1	Rizky Saputra	
			Habib Sulaiman	
			Vista Mardiana	
			Vinda Yessica	

No	Nama Kompetisi Lomba	Peringkat	Nama Mahasiswa	Nama Dosen
10.	Batam Autism Conference 2025	Juara 1	Gadis Zahratul Husna	1. Winanda Wahana Warga Dalam, S.E., M.Acc 2. Shinta Wahyu Hati, S.Sos. M.AB
			Novri Juwita Manihuruk	
		Finalis	Muhammad Daffa Aqillah	
			Muhammad Syamsuri Yusuf	
			Revansyah Jalawira Lubis	
			Dani Muti Aziz	
			Indira Fara Clarista	
			Adika Delfiani	
		Juara 2 (2nd Runner-up)	Arinah Dhiaurrahma	
			Aprilia Natasya	
			Dhia Athirah Amelia	
			Indah Febria Ningsih	
11.	Pekan Olahraga Mahasiswa Nasional Provinsi (POMNAS) XIX Tahun 2025	Juara 1	Michael Yasaya Saisab	Salmu Fajri, S.Tr.Ak.
			Winda Tri Wulan Dari	
			Ishaq Anggi Sah Siregar	
			Muhammad Farras Hakim	
		Juara 3	Wendy Setiawan	Andre Agus Setiawan Sitepu, S.Tr. Akun
12.	Kompetisi Mahasiswa Informatika Politeknik Nasional (KMIPN) 2025	Juara 1	Muhammad Iqbal Ramadhan Alhabsyi	Maidel Fani, S.Pd., M.Kom.
			Muhammad Hikmah Husnuzon	
			Khairul	
13.	National Tourism Vocational Skill Competition (NTVSC)	Juara 3 Kategori Kompeten	Dinda Khairunnisa	Feby, S.Pd, M.Pd
14.	IPEC 2	Partisipasi	Muhammad Jufry Ramadhan	Gendhy Dwi Harlyan, S.Sn., M.Sn
		Juara 2	Maikael Lubis	Satriya Bayu Aji, S.S., M.Hum.
15.	Kompetisi Mahasiswa Nasional Bidang Ilmu Bisnis, Manajemen, dan	Terbaik Nasional V (Juara 3)	Salma Nur Adni Aldelia	Riyadi Aprayuda, S.E., M.Ak
			Sarah Shakira	
			Sella Anjani	

No	Nama Kompetisi Lomba	Peringkat	Nama Mahasiswa	Nama Dosen
	Keuangan (KBMK) Tahun 2025			
16.	Pemilihan Mahasiswa Berprestasi 2025 (PILMAPRES)	Juara 1	Joshua Siregar Chavez	Suwarno, S.S., M.Pd
17.	Pekan Olahraga Mahasiswa Nasional (POMNAS) XIX Jawa Tengah 2025	Peserta	Syahdan Syahrudin	Fitra Handayani, S.Tr. Akun.
18.	TREASURE 2025	Partisipasi	Uchi Anggraini Mahendra Renata Angelika Dianara Putri Utoyo Afrilyana Pangaribuan Iga Periswa Mawarni	Izzatul Jannah, S.Ak., M.Ak.
19.	Cisco NetAcad Riders 2025	BRONZE SILVER	Sandi Ridho Illahi Bumi Arya Dirangga	Nelmiawati, B.CS., M.Comp.Sc
20.	South East Asian Sales Competition (SEASAC) 2025	3rd Place Winner Harapan III	Lidia Putri Khaililah Habzarah	Mutia Ulfah, S.E., M.M.
21.	Singapore Autonomous Underwater Vehicle Challenge 2025	Harapan III	Dimas Prayoga Aldi Ali Yudianto Adifta Justiano Dhaniel Beny Wardhana Aditia Ummardiansyah Rendy Androleo Rizaldy	Ryan Satria Wijaya, S.Tr.T., M.Tr.T.S
22.	Teknologi tepat guna tingkat provinsi kepulauan riau 2025	Juara 3	Resfa Dwi Saputra Vicky Ardiansyah Sandrio Wibowo Kaka Pebrio	Ika Karlina Laila Nur Suciningtyas, S.Si., M.Si
23.	Inovasi Teknologi Tepat Guna Tingkat Kota Batam Tahun 2025	Juara 1	Rizky Saputra Habib Sulaiman Vista Mardiana Vinda Yessica	Diono S.Tr. T., M.sc

P3M - Community Service 2026

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
1	Adi Syahputra Purba	1. Meilani Mandhalena Manurung 2. Nur Fitria Pujo Leksonowati	1. Sandy Rancho Atana 2. Randa Zulhisya 3. Mohd. Kevin Reihan Diandra 4. Rieke Ananta 5. Nabilla Sarah Amalia	Pemanfaatan Sampah Plastik Pesisir sebagai Media Pembelajaran STEM melalui Pendampingan Teknologi Cetak 3D di SMK Kartini Batam	Rp 40.680.000
2	Mutia Ulfah	1. Nadia Fathurrahmi Lawita 2. Supardianto	1. Agitya Putri Alifia 2. Emilian Saidatul Chabibah 3. Siti Fatimah Azzahro 4. Calista Diva Filia 5. Miftah Khoiriah Harahap 6. Hotmaria Sagala 7. Muhammad Hasan Firdaus 8. Hasna Fadhillah Ramadhan 9. Muhammad Maulana Yusuf 10. Sarah Nur Aulia	Penguatan Kelembagaan dan Standarisasi Paket Wisata serta Promosi Digital pada Ekowisata Mangrove Pandang Tak Jemu	Rp 46.250.000
3	Selly Artaty Zega	1. Maria 2. Amirul Mu'Minin	1. Nabilla Octiana Salsabila 2. Muhammad Ardhika Breviva Anggana 3. Ahmad Azizullah Sanie	Revitalisasi Pembelajaran Tari Sekapur Sirih melalui Inovasi Seni Berbasis Arsip Gerak untuk Penguatan Sanggar Tari Anak di Kota Batam	58.330.000
4	Rini Amadia	1. Nursaima Harahap 2. Liony Lumombo 3. Happy Yugo Prasetya	1. Silvia Herawati 2. Gracelyn Abigail 3. M Riandi Rizky P I	Revitalisasi Identitas dan Daya Tarik Wisata Kampung Seni Batam sebagai Upaya Penguatan Komunitas Kapasitas Kreatif	75.070.000

P3M - Community Service 2025

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
1	Dr. Ari Wibowo, S.T., M.T.	Uuf Brajawidagda, S.T., M.T., Ph.D. Ir. Metta Santiputri, S.T., M.Sc, Ph.D. Miratul Khusna Mufida, S.ST, M.Sc Nur Zahrati Janah, S.Kom, M.Sc Sandi Prasetyaningsih, S.ST., M.Media Sartikha, S. ST., M.Eng Ahmad Hamim Thohari, S.S.T., M.T. Dwi Amalia Purnamasari, S.T., M.Cs., C.TP. Alena Uperiati, S.T., M.Cs Gilang Bagus Ramadhan, A.Md. Kom. Yeni Rokhayati, S.Si., M.Sc Evaluata Br. Sembiring, S.Kom., M.Cs Cyntia Lasmi Andesti, M.Kom Ummul Fitri Afifah, M.MSI Nadya Satya Handayani, S.Kom., M.Kom Holong Marisi Simalango, A.Md., S.T., M.Kom. Sukma Evadini, S.T., M.Kom.	Yulia Pipka Ziliwu Naufal Bagus P M. Iskandar Dinata Farhan Ramadhan Maulana Malik Ibrahim	Peningkatan Partisipasi Masyarakat Dalam Pelaporan Kerusakan Fasilitas Publik Melalui Aplikasi BALAP-IN di Kota Batam.	15.000.000
2	Anugerah Wibisana, S.Tr.T, M.Tr.T	Ahmad Riyad Firdaus, S.Si., M.T., Ph.D Hendawan Soebhakti, ST, MT	Clinton Alfaro Muhammad Hasmar Masdika Aliman	Pelatihan Robotika dan Kompetisi RoboRoarz untuk	15.000.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
		Rifqi Amalya Fatekha, S.ST, M.Tr.T Eko Rudiawan Jamzuri, S.ST, M.Sc Senanjung Prayoga, S.Pd., M.T Dodi Radot Lumbantoruan, A.Md. Ira Zamzami, A.Md.T Rifky Afriza, S.Tr.T., M.Sc Ryan Satria Wijaya S.Tr.T., M.Tr.T. Novi Andri Yani, A.Md Shelly Sri Pitriani, A.Md Oloan Gana Putra Siregar A.md Naurah Nazhifah, S.Kom., M.C.S.(AI) Emelia Rosari Siregar, M.A.	Johannes Gland David Situmorang Alvin Welva Al-Ghifari Aldon Zufar Putra Twyn Hizam Machendra Mifta Maulana Muhammad Basyar Sevti Adi Levran Panjaitan	Peningkatan Kompetensi STEM Siswa SMA/SMK di Kepulauan Riau	
3	Rahmi Mahdaliza, S.Si., M.Si.	Dr. Budi Sugandi, S.T., M.Eng Prasaja Wikanta,ST, MT Nadhras Wivanius, S.Si., M.Si Fitriyanti Nakul, S.Pd., M.Si Widya Rika Puspita, S.Pd., M.Si., Ph.D Riki Ria, S.Tr.T Ira Zamzami, A.Md.T Vivin Octowinandi, S.Tr.T., M.Sc. Basuki Rachmatul Alam, MSc,PhD Hidayatussa'adah, S.Si Rahmat Kurniawan Sulistiono, S.T., M.T.	Santo Mykolardo Sidabutar	Diseminasi ELINDERS Board (Universal Industrial Microcontroller Module with High Speed External 12 bit Parallel ADC) untuk Siswa SMA/SMK	-
4	Abdullah Sani, S.ST, M.Sc	Dr. Iman Fahrudi, S.T., M.T. Ridwan, S.ST., M.Tr.T Indra Hardian Mulyadi, M.Eng., IPM Nanta Fakhri	Ikhsan Sabri Santo Januarius Jhon Kenedy Muhammad Ananda Aidil Bima Pratama	Diseminasi Otomatisasi Sistem Pemilihan Kabel untuk Siswa SMK	-

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
		Prebianto, S.ST., M.Sc Ika Karlina Laila Nur Suciningtyas, S.Si., M.Si Ari Setiawan, S.Tr.T., M.Tr.T Ardian Budi Kusuma Atmaja, S.Tr. Juliansyah Yangu, S.Tr.T Rabiah Al Adawiyah Anwar, S.Pd Bayu Prayogo Setiawan, S.Tr.T Ririn Humaera, M.Pd Nashrullah Abdurrahman Hanif S.Tr.T. Maria Evita Sari, S.Pd., M.Hum. Ferialia Fitri, S.T, M.T			
5	Lalu Kaisar Wisnu Kita, S.T., M.Sc.	Didi Istardi, ST, M.Sc Muhammad Syafei Gozali, ST, MT Fauzun Atabiq, S.T., M.Cs Hasnira, S.ST., M.Tr.T Irwanto Zarma Putra, S.Pd. M.Eng Adlian Jefiza, S.Pd., M.T.Ir. Jhon Hericson Purba, S.Pd., M.Pd. Arif Wahyu Budiarto, S.Tr. Muhammad Naufal Airlangga Diputra, S.Pd. Syukur Dwi Febri Pangestu A.Md.T. Fadli Firdaus, M.Pd. Yusiran S.Si, M.T Mishthafiyatillah, S.Si., MSc Robi Kurniawan, S.T., M.T. Jihan Zeinyuta	Ahmad Zaki Ejhiliyo Dengan Al Walid Harahap Juliarman Zebua Hafiz Al Fazli	Pelatihan Keselamatan dan Kesehatan Kerja bagi Siswa SMK Negeri 7 Batam	4.850.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
		Rosafira, S.T., M.Eng Afif Nuril Musthofa, M.Tr.T			
6	Hana Mutialif Maulidiah S.T., M.Sc.	Daniel Sutopo Pamungkas, S.T., M.T., Ph.D Ir. Kamarudin, ST, M.T., IPM Handri Toar, S.ST., M.Tr.T. Aditya Gautama Darmoyono, S.T., M.T. Eka Mutia Lubis, S.Pd., M.Pd Ilham Kurnia, S.Tr.T Illa Aryeni, S.T., M.T. M. Jaka Wibang Wicaksono, S.T., M.T. Nurhayati Fitri, A.Md. Mu'thiana Gusnam Nurkholifah Ahmad Syafi'i, S.Pd., M.T Irfan Bayu Laksono, A.Md.T.	Ilham Dwi Putra Arya Linosya Hindi Aghata Yudhi Hardin Rafiqah Yuliten Dwi Salwa Urip Ridho Pangestu Precelia Elizabeth Samosir Mohammad Hasanuddin Eha Sulastri Sirait Muhammad Rangga Kurniawan Dimas Aji Pangestu	SISTEM MONITORING KONDISI KOLAM BIOFLOK DAN PEMBERI MAKAN IKAN OTOMATIS UNTUK MEMBANTU PETERNAK IKAN DI BATAM	-
7	Ahmadi Irmansyah Lubis, S.Kom., M.Kom.	Hilda Widyastuti, S.T., M.T. Supardianto, S.ST., M.Eng. Muchamad Fajri Amirul Nasrullah, S.ST., M.Sc Swono Sibagariang, S.Kom., M.Kom Siskha Handayani, M.Si Mohamad Alif Dzulfikar S.T., M.T. Noper Ardi, M.Eng. Suwarno, S.S., M.Pd Amirul mu'minin, S.Ds, M.Ds	Bustanul Ariffin Alfaturrahman Hadian Nelvi Eka Fitri Anisa	Pembangunan dan Penerapan Aplikasi Point of Sale (POS) Berbasis Website Pada UMKM Angkringan OmahMU Batam Center	7.200.000
8	Nugroho Pratomo Ariyanto, ST, M.Sc	Mufti Fathonah Muvariz, S.T., M. Eng. Muhammad Hasan Albana, S.Pd., M.T Nurul Laili Arifin, SST,	M. Al Adiyat Tanjung Kevin Setiawan Sirait Kezia Karina	Program Pelatihan Magnetic Testing dan Penetrant Testing:	8.775.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
		M.T Chandra Defta Rusdwinanto, S.Tr.T Muhammad Ismail, S.Tr.T Tiwi Gustria Ningsih S.Pd., M.Han Yosef Adicita, M.Si Ifti Luthviana Dewi, S.Pd., M.Pd. Oki Setiawan, M.Eng	Saragih Defranzah Farhansyah Hakim Nahor Putra Situmorang	Kolaborasi Strategis antara Industri dan SMKN	
9	Nurul Ulfah, S.Si., M.T.	Andrew W P Mantik, S.T Roza Puspita, S.Pd., M.Hum. Ir. Aulia Fajrin, S.T., M.Sc. Tian Havwini, S.Si., M.A. Asrafi, A.Md. Hendra Butar Butar, S.Pd., M.T. Ebeng Sugondo S.T., M.T. Meschac Timothee Silalahi M.T	Gusniar Yulianti Adrian Valentino Lumban Tobing Daniel Syah Hendrawan Siregar Ega Rayani	Program Pelatihan Visual Testing : Kolaborasi Strategis antara Industri dan SMKN	8.730.000
10	Maria, S.ST., M.Sn.	Riwinoto,ST,M.Kom Ir. Selly Artaty Zega, S.ST., M.Sc Ir. Liony Lumombo, S.ST, M.IDes, IPM Arta Uly Siahaan, S.Pd, M.Pd Ardiman Firmanda, S.S.T, M.Tr.Kom Anis Rahmi, S.Tr. Kom., M.Sn. Ahmad Saropi, S.Tr. Kom. Rini Amadia, S.Sn., M.Sn. Widya Putri Ramadhani, S.Tr.Kom Yusuf rizky nur cahyono S.Sn., M.A Gerson Julyfer Parulian Tambun,	Al Buchari Muslim Nurhaliza Inelda Khusnul Nur Faozan Rio Farhan Saragih Alif Rizkiansyah	Pemanfaatan Komik untuk Mendorong Perilaku Berkelanjutan (Sustainability Behavior): Edukasi Lanjutan Pengelolaan Sampah Organik melalui Eco Enzyme di Tingkat Sekolah	9.000.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
		S.Tr.T Chairoel Adam S.Ds., M.Sn. Miftahul Husna Ghawa, S.Tr.Kom Sri Rahayu, M.Pd Recy Harviani Zurwanty, S.Pd., M.Pd. Yogi ilhami, S.Tr.T Kawan Pandiangan,S.Sn.,M.Sn			
11	Izzatul Jannah, S.Ak., M.Ak.	Mega Mayasari, SE., M.Sc Arif Darmawan, SE, M.Sc Dinar Irianto, S.E., M.Acc., Ak. Muhammad Ikhlah, S.E., M.Ak., Ak. CA. Nadia Fathurrahmi Lawita, B.Com., M.AccBIT Sarah Ulfah Al Amany, S.Ak., M.I.B Dewi Junita, S.E., M.Ak Susi Lestari, S.Si., M.Si.	Yolanda Putri Simare-mare Johana Putri Thresia Pardosi Sherly Kafka Chairunisa Ramadhani Fadhilah Rohmah Dheko Rahmadanny Ismed Ardianto Anggun Dwi Lestari	Pendampingan Optimalisasi Penggunaan Microsoft Office atau Aplikasi Lainnya pada Social Enterprise	8.537.000
12	Ari Wibowo, S.T., M.Eng	Cahyo Budi Nugroho, ST, M.Sc Randy Saputra, A.Md.T Fajar Dwi Nuryanto A.Md.T Novebriantika, S.T., M.T Wissesa A.Md.T.	Nayla Salsabila Renata Muhammad Rahul Muchlisin Kurniadi	Penguatan Akses Energi Listrik melalui Pembuatan Tiang Listrik di Kawasan Perumahan Bida	1.825.000
13	Danang Cahyagi.S.T., M.T.	Nidia Yuniarsih, S.T., M.T Hendra Saputra, S.T.,M.Eng Sapto Wiratno Satoto, S.T., M.T. Veryawan Nanda Perkasa S.T.,M.Han Muhammad Irsyad Saihilmi S.T., B.Eng.,	Owens Rivai Aan S. Saragi Napitu Muhamad Ramadhan Tedy Saputra Mulyadi Iffando Darmansyah Fernando Muhammad Yusri	Program Pelatihan Drafter Teknik Konstruksi Kapal untuk Siswa SMK se- Kota Batam Tahun 2025	8.875.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
		M.T., M.Sc. Yusuf Nurhuda S.S.T. M.T Tiwi Gustria Ningsih S.Pd., M.Han Ir. Benny Haddli Irawan, S.Tr., M.T., IPM., ASEAN Eng., CIOMP. Ir. Ihsan Saputra, S.T, M.T Rizky Pratama Hudhajanto, S.ST., M.T. Nur Rafia Dija, S. Tr. T., M. T. Mohamad Alif Dzulfiqar S.T., M.T.	Aksyaputra Dharma Louisa Galuh Ananda Putri Sefia Melati		
14	Nova Sabrina, S.Ak., M.Si	Hajan Hidayat, S.Psi, M.M Eddo Nanda Oktarici, S.E., BBA (Hons)., M.Sc Fuad Arif Rahman, S.AB.,MTV Reni Surmayanti, S.E., M.S.A Syafri Naldi, M.A.B. Fatma Saqdiyah, S.M, M.Si.	Dheko Rahmadanny Ninda Wahyuni Binti Kasmin Anggun Dwi Lestari Muhammad Egha Octa Ranendra Lyra Ananda Dava Syafriandana	Pemberdayaan Pemasaran Digital Produk Kerajinan Tangan Warga Kampung Nelayan Batam: Inovasi Menuju Pasar yang Lebih Luas.	7.643.000
15	Alfonsa Dian Sumarna, S.E., M.Si	Hendra Gunawan, S.E., M.Sc. Tiara, S.Tr.Akun., M.Acc Riyadi Aprayuda, S.E., M. Ak.	Hesty Anggraini Najwa Mutiara Jasmine Lutfia Shalsabilla Ramadani Jihan Rosikhah Najwa Indira	Pendampingan Pembuatan Laporan Keuangan Pada UMKM Hijau SPA	4.760.000
16	Rizki Lanniari, S.E., M.Acc.	Arniati, SE., M.Si., PhD., Ak., CPA., CA Anjelina, S.ST., M.A. Sugeng Riadi, S.E., M.Ak. Ak Annisya Fitri Khairina Parinduri, S.Tr. Akun., M.Acc.	Rani Savitri Keisa Putri Salsabila Clara Sintha Elizabeth Siburian Cleo Sandrina Visska Afrilyana Pangaribuan Arisa Dewi Amelia Pangaribuan	Relawan Pajak Untuk Negeri	1.688.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
17	Mutia Ulfah, S.E., M.M	Bambang Hendrawan, S.T., M.S.M. Andi Erna Mulyana, S.T., M.Sc Ancala Laras Putri, S.Ds., M.A.B. Aldrido Martha Devano, S.T., M.A.B. Aprizal Putra, S.AB, M.Si Daniel Kasidi, S.Pd., M.M Viona Metriani S. Tr.A.B., M.B.A. Ayu Diah Lestari, B.Sc. (Hons), M.B.A.	Lala Zakiya Nasution Sonia Suci Utami Puanliza Rahmitha Imam Muhamad Ahsin Hikari Daffiq Al Fayad Muhammad Faruq Azhar Haura Salsabila Dheko Rahmadanny Ismed Ardianto Dava Syafriandana	SERIP 360 - Program Penguatan Branding, Digitalisasi Promosi Dan Aktivasi Kampanye Wisata Digital Berbasis Partisipasi Komunitas Di Kampung Tua Bakau Serip	22.588.000
18	Yolanda Efionita, S.E., M.M.	Rahmat Hidayat, S.AB, M.AB Rusda Irawati, S.E., M.Si Desi Ratna Sari, S.Hum., M.Hum. Agus Supriyadi, S.Tr.AB., M.AB Muhammad Zainuddin, S.Tr. AB. Atiqotun Nisa, S.Tr.AB., MGB Multhahada Ramadhani Siregar, S.S., M.A. Zaimah, M. Pd	Intan Muslimah Rizqi Ratnaningsih Wika Aulia Alindry Irenita Mawarni Simanjuntak Ang Wei Li Ayumada Lumbantoruan Rania Shira Fadida Nazla Umayya Widy Tamara Manalu Siti Nabila Andalin Mercyana Monalisa Lubis Natasha Ramadhoni Vanessa Lutfya Balqis Amallia Hakiki Rahmanda Sasa Esa Deka Gita Natalia Lestari Naibaho Muhammad Budiman Salasin Anggun Amelia	Pengembangan Media Ajar Berbasis Digital untuk Mata Pelajaran Pancasila di Sekolah Menengah Pertama (SMP) Negeri di Kota Batam (SMP N 57 Batam, SMP N 29 Batam, SMP S Prima School dan SMP BP Tahfidz At Taubah)	7.500.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
			Panggabea Fatika Alista Rohati Fahira Balqis Nasuha Azmiera Divatiara Octavia Ramadhani Suci Ziara Attaya Alexa Ayu Paraswati Rizka Suci Oktaviani Muhammad Bachtiar Zulkarnain Irna Aisyah Yandini Restu Ananda Dinda Hardiniara Muhammad Rayhan Rahmadan Lucy Jayanti Sinaga Virnie Febyanti		
19	Fauziah Muchlis, M.S.Ak	Afriyanti Hasanah, S.S.T., M.Sc Diah Amalia, S.E.,M.Ak.,Ak Riri Zelmianti, S.E., M.Sc., Ak, CA Matheus Maruli, S.Tr.Akun Salsabila Nur Aini Sekarningrum, S.Ak., M.Acc Muhammad Ali Faisal, S.Pd., M.Acc	Johana Putri Thresia Daniel Herdiansyah	Business Development Services untuk UMKM dan Koperasi : Pendampingan Edukatif di Bidang Keuangan dan Perpajakan di Era Digital	9.000.000
20	Riri Zelmianti, S.E., M.Sc., Ak, CA	Muhammad Ramadhan Slamet, S.E., M.Acc Febrina Wulandari, S.Tr.Akun Rizka Destiana, S.Tr. Akun., M.Acc. Ridho Tanso Rikalmi, S.Tr.Akun., M.Ak	Fathia Rahmatillah Poppy Rahmawati Cindy Septiani Pakpahan Olivia Nathania Putri Tania Melyani Jamiel	Pendampingan Pelaporan Perpajakan, Stock Inventory dan Administrasi Keuangan Pada UMKM CV Mandiri	2.838.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
				Terpercaya Sejahtera	
21	Domi Kamsyah, S.T., M.T.	Mutiarani, S.T, M.Sc Annisa Fyona, S.K.M., M.K.K.K Nurul Fadilah, S.Pd., M.Pd. Sriyanto, A.Md.T. Kholilur Rahman, A.Md.T. Kms M Avrieldi S.Pd., M.Pd.T Mendritfa Fadly, A.Md. T	Hikmah Karmila Abdullah Habiha M Hatta Ar Rasyid Muhammad Akmal Hafiz Adiansyah Boy Fransena Sitompul Muhammad Rasyad Alaric Albhin Alvarishi Mella Amyarti Muhammad Ivan Hakiki Muhammad Syahrul Nizam Sandy Josua Simanjuntak Farhan Sugengri Aritonang Jhon Aprius Limbong Ahmad Pauji Muhammad Ezra Zulhiaji Raka Pratama	Papan Nama TPA & Masjid Al Hidayah untuk Memotivasi Masyarakat Batam Menuju Generasi Madani	1.540.000
22	Himawan Mochtoha, S.Tr.AB., MBA	Muslim Ansori,SE.M.Ak,CPA Slamet Soebagiyo, S.Sos, M.M Nur Rahmah Andayani, S.IP., M.Si Riza Khusniah, S.ST., M.AB. Maryani Septiana,S.Sos., M.Hum Sri Zuliarni, S.Sos., MBA. Atiqotun Nisa, S.Tr.AB., MGB Himawan Mochtoha, S.Tr.AB., MBA Susi Lestari, S.Si., M.Si.	Lady Alisya Khairael Sarah Nur Aulia Gracia Apriyani Tiara Novyalina Anggrey Brylian. B Agitya Putri Alifia Silvi Tiyanti Nisya Emiliana Saidatul Chabibah Nuursasqia Ikke Fahmawati Sherli Dhea Patresia Samosir Ahmad Nawawi Siti Fatimah Azzahro Callysta Diva Filia	Pengembangan Media Pembelajaran Berbasis Digital di SMP Negeri di Kota Batam (Objek Pengabdian pada SMPN 63 Batam, SMPN 53 Batam, SMPN 6 Batam, SMPN 59 dan SMP 38 Batam)	5.477.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
			Miftah Khoiriah Harahap Claudy Lourent Natalia Sitompul Nabilah Ghaisani Mardin Beni Putra Zai Nanda Artha Pratama Nabila Islamia Gabriel Didin Kristian Hotmaria Sagala Kayna Elizabeth Patty Najwa Aulia Ernest Dwi Swintannia Dewi Artha Pangaribuan Mazuwin Azrianisyah Dini Khatima Eliza Nurul Hamidah Anisa Tera Tazkirah Azzahro Widya Andriani Wanda Azizah Donny Indah Fitriani Riyan Ramadhan Yemima Theresia Sibuea Nita Sari Koto Tiara Saskia Desi Narti Marindah Paulina Simbolon Aura Belita Manik Desline Agustina Germani Dea Nova Selya br Tarigan Salsa Diva Ajeng Elsa Renika Sihotang		

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
23	Meilani Mandhalena Manurung, S.T., M.T.	Nurman Pamungkas, S.T., M.T. Hanifah Widiastuti, S.T., Ph.D Mutiarani, S.T, M.Sc Nur Fitria Pujo Leksonowati, S.ST., M.Sc Ita Wijayanti, S.T.P., M.Sc Yogantara , A.Md Abulija Maskarai, A.Md Adi Syahputra Purba, S.Pd., M.Si. Meilani Mandhalena Manurung, S.T., M.T. Ninda Hardina Batubara, S.Pd., M.Si. Windy Stefani, S.T., M.Eng.	Fauzan kahfi Eni Edrie Jofan Batee Monica julianty Hikmah Karmila Abdullah Habiba	Program Mentoring Solidworks dan Pemesinan: Memahami Sifat Mekanis Beberapa Material melalui Desain dan Produksi Komponen untuk Siswa SMK Kartini	5.650.000
24	Vina Kholisa Dinuka, S.E., M.Sc	Muslim Ansori,SE.M.Ak,CPA Sinarti,SE,M.Sc.Ak., CA Nanik Lestari,SE, M.S.Ak Ria Anggraini, S.ST Winanda Wahana Warga Dalam, S.E., M.Acc Iassa Marcelina Soraya, S.Tr.Akun	Celia Faradhiba Yuliana Simanjuntak Amorita Asta Dewi Cahya Early Ramadhani Grace Damayanti malau	Pendampingan Pembuatan Laporan Keuangan Pada UMKM Browte	650.000
25	Dinda Indira Subagio, S.Pd., M.Ak.	Dr. Muhammad Zaenuddin, S.Si., M.Sc. Irsutami,SE,M.Acc,Ak Ria Anggraini, S.ST Muhammad Irsyad Halim, S.E., M.Ak Reni Surmayanti, S.E., M.S.A Raja Yulianita Sarazwati, S.E., M.Sc.	Rukhil Luthfi Afifah Daniel Herdiansyah Eka Jessika Situmorang Chintya Lista Dakhi Vista Mardiana	Pendampingan Penyusunan Laporan Keuangan dan Pelaporan Pajak ID PROJECT (PT KAGUNGAN JAYA SUKSES)	2.294.000
26	Maidel Fani, S.Pd., M.Kom.	Dr. Andy Triwinarko,ST, MT Nur Cahyono Kushardianto,S.Si.,	Azis Ali Nasution Vica Guneven Surya Shinta Widya	Peningkatan Keamanan Aplikasi pada Dinas Kominfo	2.450.000

No	Chairman's Name	Name of Lecturer/Laboratory Staff	Student Member Name	Activity Title	Total Fund Disbursement
		M.T., M.Sc, Ph.D Ir. Dwi Ely Kurniawan, M.Kom Nelmiawati, B.CS., M.Comp.Sc Hamdani Arif, S.Pd., M.Sc Dodi Prima Resda, S.Pd., M.Kom Festy Winda Sari, S.Tr. Kom., M.Sc Muhammad Idris, S.Tr., M.Tr.Kom Antoni Haikal, S.S.T., M.T	Pransiska Monalisa Cristine Putri Siagian	Kota Batam melalui IT Security Assessment untuk Mitigasi Risiko Siber dan Pencegahan Penyebaran Informasi Judi Online	

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

- <https://p2m.polibatam.ac.id/?p=8733>
- <https://p2m.polibatam.ac.id/?p=8568>
- https://drive.google.com/drive/folders/1Vc2BLIhiCJZqWHY6xKnyzCmN5dQpE-Xx?usp=drive_link
- https://www.instagram.com/p/DMuVIIpZqWs/?utm_source=ig_web_copy_link
- https://www.instagram.com/p/DJ8ti0tzwf8/?utm_source=ig_web_copy_link
- https://www.instagram.com/p/DNN4r2kyE4s/?utm_source=ig_web_copy_link
- https://www.instagram.com/ppkormawa_bempolibatam?igsh=djVtZ2Q2M3JrMnM0
- <https://www.instagram.com/p2k.hmmbpb?igsh=MXJvbXVtdzVsbWZwZA==>
- <https://www.instagram.com/p2khme?igsh=aW9wc2lidmJ0a3Nl>
- https://docs.google.com/spreadsheets/d/1QhHgGZKmxMuxOg_I_HqudoVWE0V_GAt_/edit?usp=sharing&ouid=118097952538751108391&rtpof=true&sd=true
- https://www.instagram.com/p/DSXtdK7k2jz/?img_index=1
- https://www.instagram.com/p/DX6GR3FDqGU/?img_index=4
- https://polbat-my.sharepoint.com/:x/g/personal/kemahasiswaan_polibatam_ac_id/IQBFh845e7WARKhF-jenUy8pAUfQbRTGwnWYkDWxNQTigvs?rttime=ftWeUF2b3kg

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.13] Number of cultural activities on campus (e.g.Cultural Festival) (ED.6)

	
Duta Wisata Kota Batam https://www.instagram.com/p/DYLx5MsDYla/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFiZA==	Duta Wisata Kota Batam https://www.instagram.com/p/DXG6waLk-Tu/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFiZA==
	

Semarak BerQurban

https://www.instagram.com/p/DX6PKrFEwrR/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



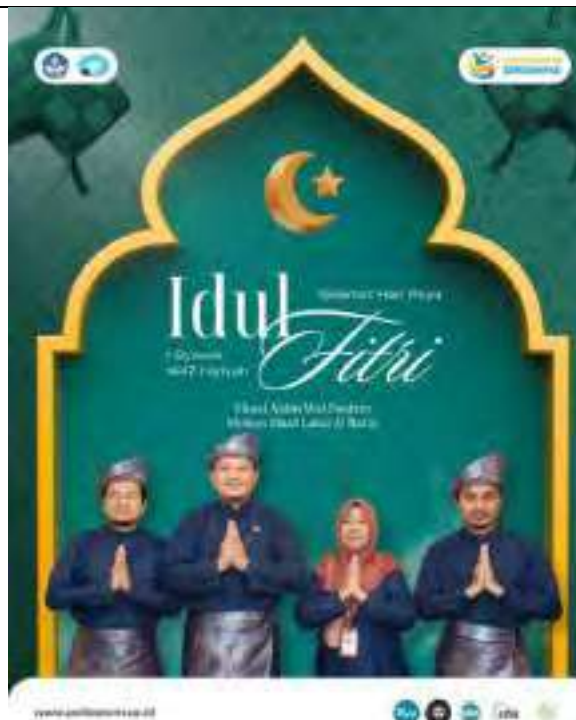
Upacara Hardiknas

https://www.instagram.com/p/DX50SpikSZD/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



Hari Buruh

https://www.instagram.com/p/DXxgU5iDxd/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



Hari Kartini

https://www.instagram.com/p/DXXwOEgmgGq/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



Peringatan Idul Fitri

https://www.instagram.com/p/DWFkgaQCblM/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



Nyepi

https://www.instagram.com/reel/DWD2voCgeNJ/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



https://www.instagram.com/p/DXEGMhME7Ck/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



https://www.instagram.com/p/DX0E6cvjeM/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



https://www.instagram.com/p/DVxEmijkyx/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==

https://www.instagram.com/p/DU7SAfdGHwh/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



https://www.instagram.com/p/DU7Csu-k8pl/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==

https://www.instagram.com/p/DU1bNoAASZO/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



https://www.instagram.com/p/DTjFNCzD5yV/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==



Description:

(Please describe sustainability events on your campus. The following is an example of the description. You can describe more related items if needed.)

Example of Total number **cultural activities on campus** organized by the University : more than 3 **events**

Additional evidence link (e.g. for videos, more images, or other files that are not included in this file):

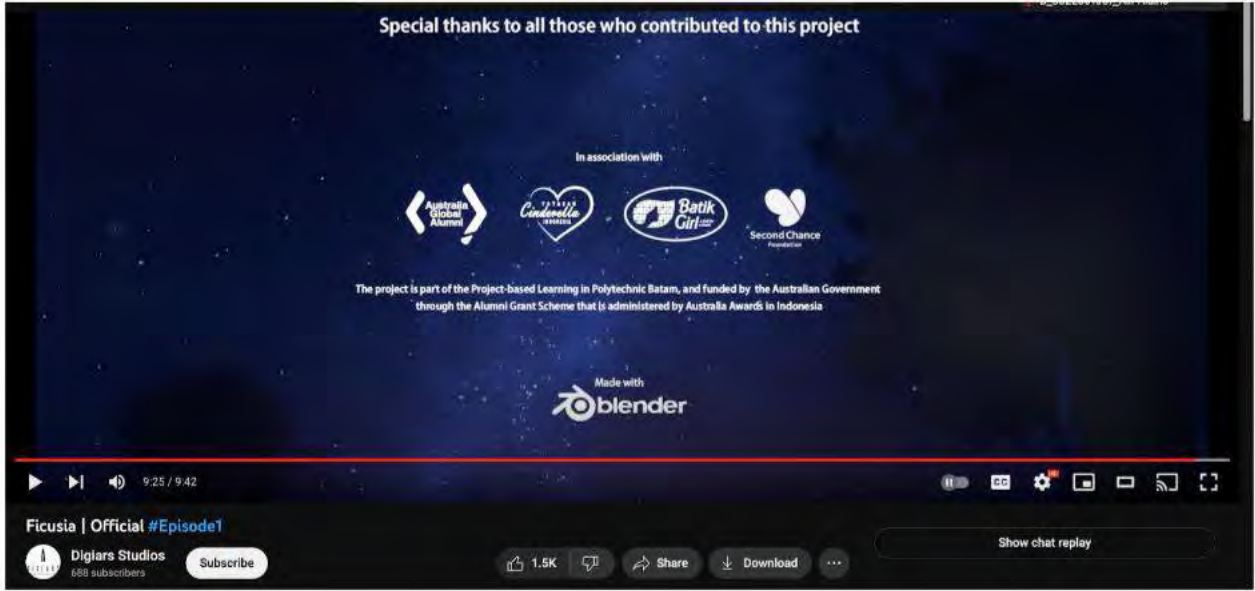
Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.14] Number of university sustainability program(s) with international collaborations (ED.9)

1. Batik Girl Animation Series - Ficusia



Collaboration in the production of the **film Ficusia**: Polibatam and the Indonesian Cinderella Foundation, funded by Australia Global Alumni and the Ministry of Education, Culture, Research and Technology

Description:

Batik Girl Animation Series - Ficusia is a learning activity in Polibatam in collaboration with Cinderella from Indonesia, which is supported by the Australian government through the AGS program that is administered through the Australia Award Indonesia. Packed in the form of project-based learning, as many as 69 students across majors were involved, namely from animation study programs, multimedia and networks, cyber security engineering, accounting, business administration, and managerial accounting.

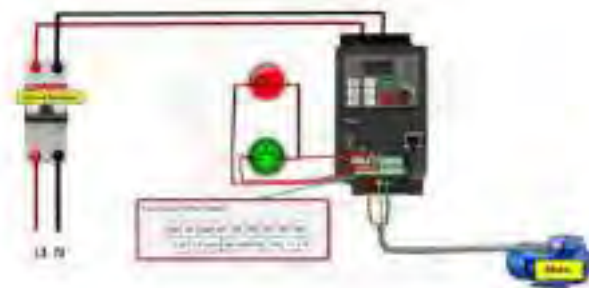
Additional evidence link (e.g. for videos, more images, or other files that are not included in this file):

Episode 1 <https://www.youtube.com/watch?v=dp-fiOhWTnQ>
Episode 2 <https://www.youtube.com/watch?v=CbDahfJKZJQ>
Episode 3 <https://www.youtube.com/watch?v=XLzaZ8aqA6s>

2. Manufacturing of Automatic Banana Cutting Machines for the Needs of SMEs in the Banana Chips Home Industry in Batu Aji in Collaboration with Singapore Polytechnic



Gambar 3. Desain awal mesin pemotong pisang.



Gambar 4. Diagram block untuk penggunaan motor AC.



Description:

Manufacturing of Automatic Banana Cutting Machines for the Needs of SMEs in the Banana Chips Home Industry in Batu Aji in Collaboration with Singapore Polytechnic.

A home-based banana chip business in the Phoenix Garden Housing Complex, Batu Aji, Batam, faces challenges in increasing production capacity and efficiency. One of the main obstacles is the use of inefficient conventional methods and equipment, resulting in slow production and inconsistent product quality. Preliminary studies found that slicing bananas using traditional cutting tools is a major obstacle, as it requires consistent hand pressure to achieve uniform slice thickness. The use of conventional tools also makes the banana cutting process longer. To address these issues, this community service program was proposed, aiming to provide solutions through the application of appropriate technology and strengthening production management. This

activity involved students and lecturers from several study programs at Batam State Polytechnic and the School of Mechanical and Aeronautical Engineering (MAE) at Singapore Polytechnic. Through this activity, it is hoped that entrepreneurs will be able to increase production capacity, maintain product quality, and expand the market for banana chips, ultimately increasing revenue and business sustainability.

3. International Student Inbound Mobilty

- Universite Polytechnic Haut de France, 3 mhs
- Universite Savoie Mont Blanc, 3 mhs
- Norwegia University of Science & Technology, 1 mhs

Dok: MOU dan Letter of Acceptance (LoA)

Dosen Polibatam dan Mahasiswa Prancis Ajak Siswa Reliance School Belajar Bahasa Inggris

AG 11/11/2015



4. International Joint Research

- Monash University, riset rempang

Dok: MOA

Awali Kolaborasi Riset, Polibatam dan Monash University Gelar Kick-Off Meeting

Agustus 4, 2025



5. Co-Host Online Conference with Singapore Polytechnic

- Singapore Polytechnic, Acara RINC 2025

Dok: Dokumen Implementation Agreement



Politeknik Negeri Batam, in collaboration with its overseas partner Singapore Polytechnic and Politeknik Negeri Malang, organized the Online Technology Symposium (OTS) for IHL Educators in Indonesia 2025 on 30 July 2025 through Microsoft Teams. The symposium brought together more than 300 vocational educators from 17 institutions to discuss the transformation of learning, the integration of Artificial Intelligence, and the use of digital technology in vocational higher education. This activity served as a platform for knowledge sharing and international collaboration, supporting Polibatam's commitment to strengthening digital education innovation and expanding academic partnerships with global institutions.

6. Educational Trip (Inbound)

- Politeknik Ibrahim Sultan, bidang animasi (ini nanti 26-28 Okt)

Dok: Piagam Kerjasama, Sertifikat peserta

7. International Globalpreneur Exchange Program- (MB- Fuad Arif Rahman)

- Kolej Komuniti Kuala Langat (15-18 Oktober 2025)



8. Community Service collaborated with UTeM, (MB)

Community Service in collaboration with UTeM, carried out an action to clean up trash at Setokok Beach, Batam, Riau Islands





Additional evidence link (e.g. for videos, more images, or other files that are not included in this file):

[Click Here](#)

<https://www.facebook.com/polibatamofficial/posts/ready-to-revolutionize-education-through-ai-and-innovationpolibatam-bersama-sing/1214319724040966/>

<https://www.polibatam.ac.id/dosen-polibatam-dan-mahasiswa-prancis-ajak-siswa-reliance-school-belajar-bahasa-inggris/>

<https://www.polibatam.ac.id/polibatam-dan-kolej-komuniti-kuala-langat-malaysia-gelar-join-workshop-animasi-intl/>

<https://rri.co.id/batam/daerah/1735649/polibatam-dan-mahasiswa-prancis-ajak-siswa-berbahasa-inggris>

9. ICAE & ICAESS 2025



ICAЕ & ICAESS 2025
The 8th International Conference on Applied Engineering
The 7th International Conference on Applied Economics and Social Science
OCTOBER 30-31, 2025
(HYBRID CONFERENCE)

GENERAL THEME
BEYOND SUSTAINABILITY
REGENERATIVE INNOVATION IN THE AGE OF ARTIFICIAL INTELLIGENCE

KEYNOTE SPEAKER

- Dr. Siti Azrah Binti Asmal**
University Teknikal Malaysia Melaka, Malaysia
- Dr. Nurfaizina Mohd Zamry**
University Teknologi Malaysia, Malaysia
- Hadjier Benmezziane, PhD**
University Polytechnique Hauts-de-France
- Prof. Dr. Y. Bandung**
Institut Teknologi Bandung, Indonesia
- Dr. Say Yeon Teoh**
RMIT University, Australia
- Dr. Tarek Rana**
RMIT University, Australia
- Dr. Benny Tjahjono**
Conventry University, UK
(In Confirmation)

IMPORTANT DATE

- Submission Deadline: September 30, 2025
- Acceptance notification: October 05, 2025
- Final Manuscript and Payment: October 17, 2025
- Conference Date: October 30-31, 2025

REGISTRATION FEES
(Non Polibatam Authors)

- Professional : Rp 2.500.000/ 175 USD
- Student : Rp 2.300.000/ 150 USD
- Poster : Rp 500.000/ 40 USD
- Participant : Rp 500.000/ 40 USD

SUBMISSION

Paper Template Submission Tutorial Co-Host Proposal

ICAЕ & ICAESS Proceedings 2025 will be published in:
ATLANTIS PRESS

ICAЕ TRACKS: MECHANICAL TRACK, ELECTRONIC TRACK, INFORMATICS TRACK

ICAESS TRACKS: ECONOMICS TRACK, MANAGEMENT TRACK, ACCOUNTING TRACK, SOCIAL SCIENCES TRACK

International Conference On Applied Economics and Social Science
THE 6TH ICAESS
Politeknik Negeri Batam, Indonesia
1 - 2 October 2024

Envisioning a Sustainable Future:
Synergizing Green Economy, Circularity, Smart Cities, and Digitalization through Applied Engineering.

TOPIC

- ECONOMICS TRACK
- MANAGEMENT TRACK
- ACCOUNTING TRACK
- SOCIAL SCIENCES TRACK

Keynote Speaker

Politeknik Negeri Batam organized The 8th International Conference on Applied Engineering (ICAЕ) and The 7th International Conference on Applied Economics and Social Science (ICAESS) 2025 on October 30–31, 2025, under the theme “Beyond Sustainability: Regenerative Innovation in the Age of Artificial Intelligence.” The conference aimed to provide a platform for knowledge exchange, scientific publication, international networking, and research quality improvement in the fields of applied engineering, economics, and social sciences.

The conference featured keynote speakers from Australia, Malaysia, and Indonesia, and involved participants and authors from various national and international institutions. The activities included keynote sessions, parallel sessions, paper and poster presentations, as well as awards for best papers and best posters.

In ICAЕ, a total of 42 papers were accepted with an acceptance rate of 68.9%, while ICAESS accepted 42 papers with an acceptance rate of 23.60%. In addition, the event successfully fostered academic collaboration and strengthened international research networks.

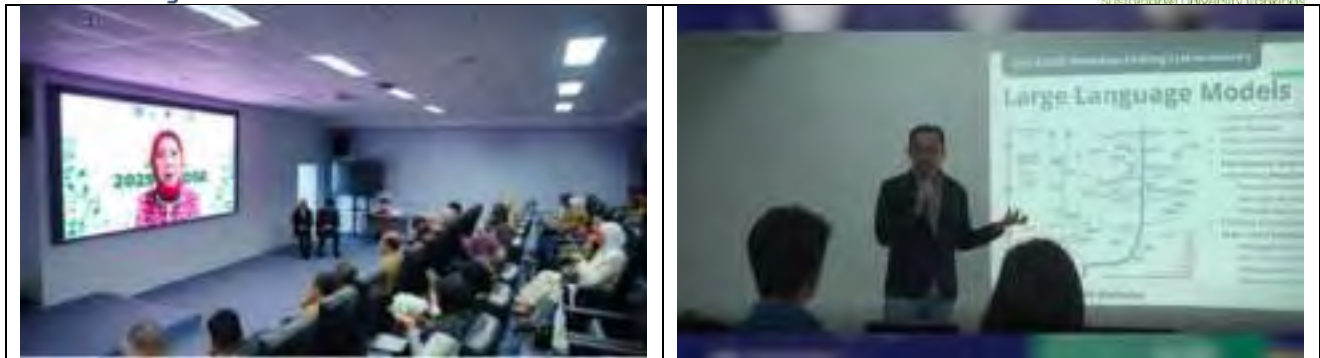
Overall, the conference was conducted successfully and contributed positively to enhancing the international visibility of Politeknik Negeri Batam. Several evaluation points highlighted the need for earlier paper acceptance announcements, broader promotion of the call for papers, stronger coordination with keynote speakers, clearer task distribution among committee members, and improvement of proceedings indexation through more prestigious international publishers.





10. 2025 IEEE International Conference on Data and Software Engineering (ICoDSE)





Politeknik Negeri Batam (Polibatam) successfully hosted the Kick Off Event of the International Conference on Data Science and Engineering (ICoDSE) 2025, held at the Polibatam Technopreneur Building. The event was an international collaboration between Polibatam, Institut Teknologi Bandung (ITB), and Universiti Teknologi Petronas (UTP) Malaysia to support the development of research and innovation in the fields of data science and software engineering.

The event was attended by representatives from ITB, UTP Malaysia, and the academic community of Polibatam. The activity was conducted in a collaborative atmosphere and served as the initial step toward the main ICoDSE 2025 conference. In their remarks, the participating institutions emphasized the importance of cross-country collaboration in strengthening the development of technology, research, and innovation that can contribute to society and industry.

Through this collaboration, ICoDSE 2025 is expected to become an international forum for researchers, academics, practitioners, and students to exchange ideas, present research findings, and build broader global research networks in the field of data science and engineering.

11. Chanjiang Institute of Technology (CIT) Training Program (2026)



The CIT Training Program is designed as an intensive two-week training program for students from the Energy Generation Engineering, Mechatronics, and Electrical Engineering Technology study programs. Interestingly, the training will still be held during the academic break, reflecting the strong commitment of both the institution and students to improving competencies. This program is expected to result in competency certificates as well as course recognition that can be acknowledged within the academic process.

The training materials will be delivered directly by experts from international partners, namely Li Jiakun, Dean of the School of Energy; Wang Feng, lecturer and instructor in the field of electricity; and Luo Shisheng, Mandarin language instructor. In addition to technical enhancement, students

will also be equipped with language skills and cultural understanding as preparation for learning opportunities and potential further studies in China.

12. Webinar: AI & Aircraft Maintenance Technology with WCC College, Philippines (2026)

The webinar on the integration of Artificial Intelligence (AI) in Aircraft Maintenance Technology will be conducted as part of the ongoing international academic collaboration between WCC Aeronautical and Technological College, Philippines, and Politeknik Negeri Batam. The webinar is scheduled to take place on Friday, April 17, 2026, from 11:00 AM to 12:00 PM Philippine Time, and will be held online. The session will feature Dr.Eng. Rizky Pratama Hudhajanto, a lecturer from the Aircraft Maintenance Technology Study Program (TPPU) at Politeknik Negeri Batam, as the invited speaker. This one-hour webinar will consist of a 40-minute presentation followed by a 20-minute question-and-answer session. Through this activity, participants are expected to gain insights into recent developments and emerging practices in the application of AI in aircraft maintenance technology. The program also reflects the strong academic partnership between Polibatam and WCC Aeronautical and Technological College in strengthening international collaboration, knowledge sharing, and vocational education development in the aviation technology sector.



13. Educational Meeting with Kolej Komuniti Beruang Melaka (2026)

Kunjungan Kolej Komuniti Bukit Beruang Melaka Dorong Kolaborasi Internasional Bersama Polibatam

February 12, 2026



The visit from Kolej Komuniti Bukit Beruang Melaka (KKBB), Malaysia, to Politeknik Negeri Batam was conducted on Friday, 6 February 2026, at Tanjung Piayu Theater, 3rd Floor of the Technopreneur Building, Polibatam. The delegation, led by En. Muhammad Sani bin Che Idris as the Director of KKBB, consisted of around 30–32 participants. This visit was part of the internationalization program entitled “Eksplorasi Minda Nusantara KKBB – Politeknik Negeri Batam”, aimed at strengthening academic relations and exploring potential collaboration between the two institutions.

During the visit, both institutions discussed opportunities for cooperation, knowledge sharing, and potential academic collaboration, particularly in vocational and technical education. KKBB, as a TVET institution under Malaysia's Ministry of Higher Education, offers several programs such as Culinary, Hotel Operations, Automotive Technology, and Electrical Technology. The visit also included the intention to sign a Letter of Intent between the two institutions and to introduce the programs and departments offered at Polibatam through campus and workshop visits. This activity reflected the shared commitment of KKBB and Polibatam to enhance international partnership and support the development of vocational education in the region.

14. International Joint Workshop for Animation with Kolej Komuniti Kuala Langat Malaysia (2025)

Polibatam dan Kolej Komuniti Kuala Langat Malaysia Gelar Joint-Workshop Animasi INTL

Amil A. 04/25



The visit and workshop from Komuniti Kolej Kuala Langat (KKKL), Malaysia, to Politeknik Negeri Batam was planned to be held on 28–29 May 2025 as part of an academic collaboration activity between both institutions. The program involved students from the Sijil Animation 2D Program of KKKL and Polibatam students, who were expected to work together in producing a short 2D animation project representing the cultural connection between Indonesia and Malaysia. This activity reflects the shared commitment of both institutions to strengthen international cooperation, student collaboration, and creative learning in vocational education.

To support the implementation of the workshop, Polibatam prepared several facilities, including Laboratory 4.2 as the main venue for the workshop, as well as selected laboratories in the Technopreneur and Teaching Factory buildings for the campus tour. The activity also required support from laboratory staff as the person in charge during the program. Through this visit and workshop, Polibatam aimed to provide a meaningful academic and cultural exchange experience while promoting its learning facilities, animation production environment, and potential collaboration opportunities with international TVET partners.

15. Garuda Talent Program with Hope International, China (2026)

Polibatam dan HOPE Internasional Lakukan Inisiasi Kerjasama dalam Pengembangan SDM dan Teknologi

April 26, 2023



The Garuda Talent Program: Mandarin and AI Skills Training was coordinated by Politeknik Negeri Batam and HOPE International through an online meeting on 4 March 2026. The program was scheduled for 30 March–26 June 2026, delivered fully online in five class groups, with each polytechnic selecting 20 students based on academic performance, attitude, and commitment.

During implementation, students joined regular Mandarin and AI literacy sessions, supported by attendance monitoring through QR code check-ins and weekly coordination among instructors. Polibatam also supervised student participation to ensure they met the 70% attendance requirement and completed HSK exam registration as part of the certification process.

16. Signing of Letter of Intent for Educational Collaboration with Kolej Komuniti Pasir Gudang (2025)

Politeknik Negeri Batam dan Kolej Komuniti Pasir Gudang Lakukan Penandatanganan Letter Of Intent

Agustus 7, 2025



The official visit of Kolej Komuniti Pasir Gudang (KKPG), Malaysia, to Politeknik Negeri Batam was held on Friday, 1 August 2025, from 10.00 to 11.30 WIB. The KKPG delegation, led by Director Abdul Razak Bin Salim, was welcomed by Polibatam Director Bambang Hendrawan, together with representatives from the Cyber Security Engineering Study Program, Shilau, and the Office for International Affairs.

The activity focused on exploring potential cooperation between the two vocational education institutions, particularly in curriculum matching, joint training programs, and student and staff mobility. The visit was marked by the signing of a Letter of Intent (LOI) as an initial commitment to develop more concrete cross-border collaboration in vocational education.

17. Jiangchu Workshop Collaboration with Chanjiang Institute of Technology & PT CEEPC (2026)

Document: MOU

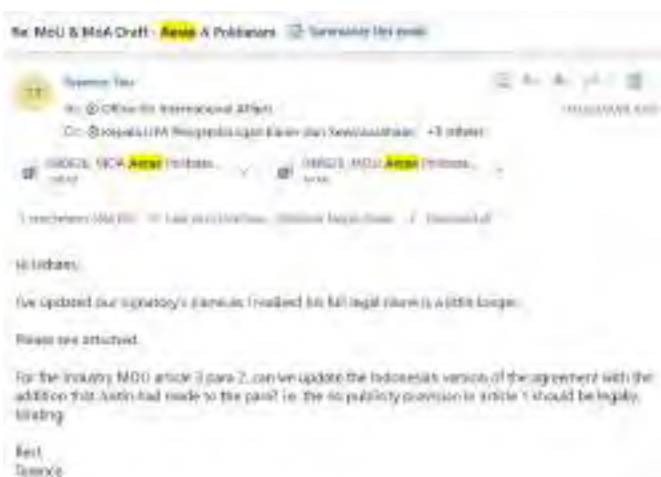
<https://rri.co.id/batam/ipitek/2185292/polibatam-dukung-jingchu-workshop-sdm-energi-hijau>



Politeknik Negeri Batam supported the launch of the Green Project “Jingchu Workshop”, an Indonesia–China collaboration held in Jakarta on 10 February 2026. The program was designed to strengthen vocational human resources in the green energy sector by connecting education, industry, and government, while also supporting Polibatam’s link-and-match strategy with real industrial needs.

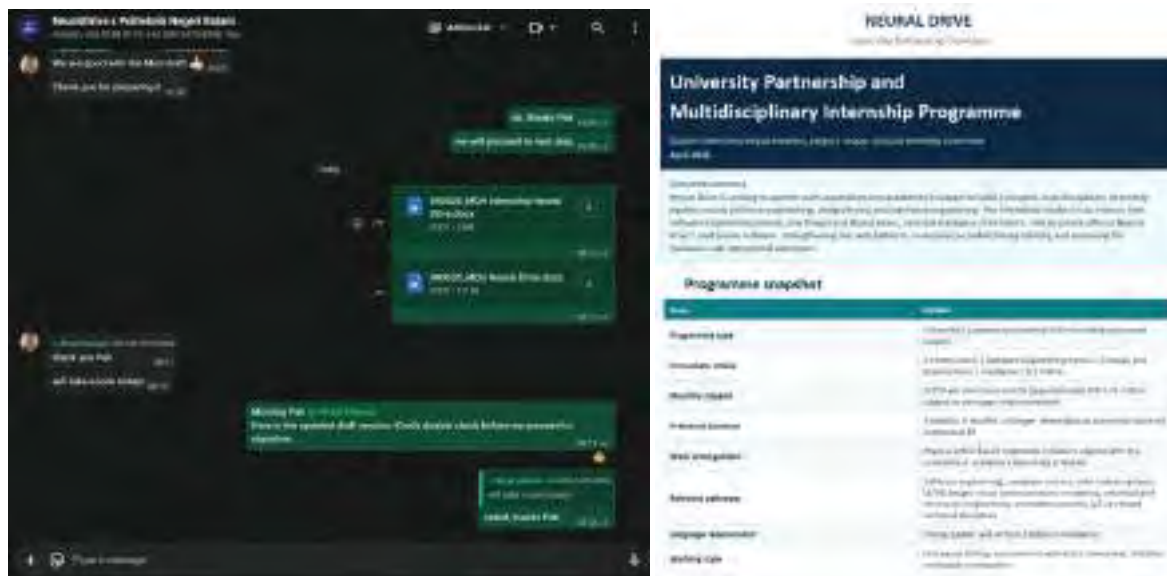
As part of the implementation, the Jingchu Workshop conducted a three-week intensive training program on Mandarin Language and Vocational Skills, involving 172 participants from local CCEPC Indonesia employees and Polibatam students. The training focused on competencies for boiler and steam turbine operators, serving as a strategic effort to prepare skilled workers for the growing green energy industry.

18. Initiation for Internship Collaboration with Aerae Holding Ltd (2026)



Politeknik Negeri Batam initiated a collaboration with Aerae Holdings Ltd to provide internship opportunities for students, especially in the field of mechatronics and robotics. The activity is planned started on September 2026. Both sides are finalizing the collaboration draft.

19. Initiation for Internship Collaboration with Neural Drive (2026)



Politeknik Negeri Batam initiated a collaboration with Neural Drive to provide internship opportunities for students, especially in the field of Informatics. The activity is planned started on September 2026. Both sides are finalizing the collaboration draft.

20. Joint Project Polibatam–Singapore Polytechnic for Multimedia RINC 2026

Politeknik Negeri Batam conducted an official coordination visit to Singapore Polytechnic, Singapore, on 30 April 2026 as part of the collaboration in audio-visual production for the Regional Industry Networking Conference (RINC) 2026. The activity focused on technical coordination, event flow, media coverage, editing needs, logistics, and role distribution among the teams to ensure effective documentation of the conference, exhibition, symposium, and networking sessions.

The visit provided important insights into managing international TVET-based events that integrate education, industry, and exhibition activities. It also emphasized the strategic role of multimedia production and student involvement in international events as a form of experiential learning, supporting Polibatam's future plan to develop similar activities through PBL, student-based production teams, and international collaboration programs.



21. INTACT Base Mandarin Class (From 2025)

Politeknik Negeri Batam, in collaboration with INTACT Base, conducted an offline Mandarin language class on campus to support students and alumni preparing to apply for the Taiwan INTENSE Scholarship Program. The program is offered free of charge and is specifically designed for Polibatam students and alumni who plan to continue their studies and pursue scholarship opportunities in Taiwan.

The Mandarin class consists of 60 sessions and is held three times a week, every Monday, Wednesday, and Friday, from 7:00 p.m. to 9:00 p.m. Through this program, participants are expected to strengthen their basic Mandarin language skills, improve their readiness for the scholarship application process, and gain better preparation for academic and cultural adaptation in Taiwan.



22. Taiwan INTENSE Education Fair (2025)

Document: MOA

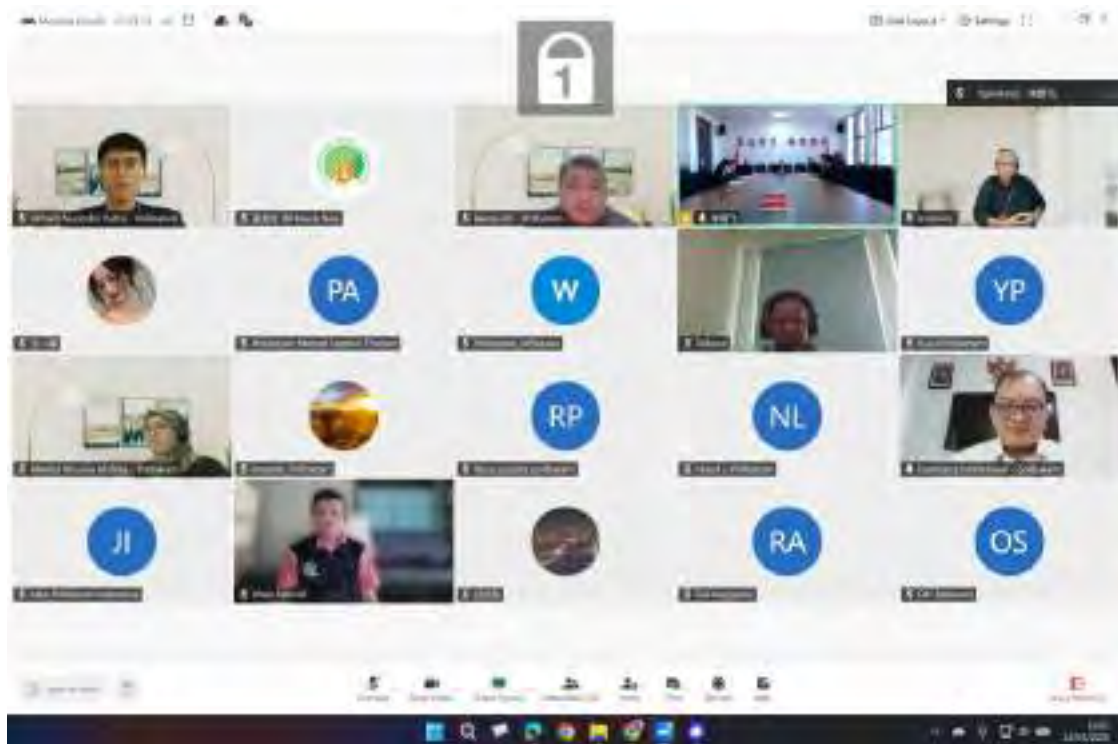
<https://www.polibatam.ac.id/polibatam-tuan-rumah-fall-taiwan-indonesia-intense-education-fair-2025/>



Politeknik Negeri Batam (Polibatam) hosted the Fall Taiwan-Indonesia INTENSE Education Fair 2025 on April 23, 2025. The event was organized in collaboration with Cheng Shiu University, Hsing Wu University, Chao Yang University of Technology, and INTACT Base Taiwan. A total of 14 leading universities from Taiwan participated in the fair to introduce their academic programs to Polibatam students, alumni, and representatives from more than 30 schools and higher education institutions in Batam.

The event aimed to strengthen academic collaboration between Indonesia and Taiwan, while promoting the Taiwan INTENSE Scholarship Program 2025, which offers full tuition coverage, living allowances, and professional career opportunities with partner companies after graduation. The education fair also featured a cooperation signing between INTACT Base Taiwan and several universities in Batam and Riau. The high enthusiasm from hundreds of visitors reflected the strong interest of students in pursuing international study opportunities in Taiwan.

23. Joint Training Center with Shanxi Polytechnic College



Politeknik Negeri Batam and Shanxi Polytechnic College held an initial coordination meeting to explore cooperation in strengthening China–Indonesia vocational education collaboration through industry–education integration. The discussion was attended by leaders and representatives from both institutions, including academic departments related to informatics, electrical and electronics, mechanical engineering, civil engineering, automation, robotics, power plant engineering, business, and international affairs. Both parties introduced their institutional profiles, industrial ecosystems, and strategic strengths, with Polibatam highlighting Batam’s position as an industrial hub and Shanxi Polytechnic College presenting its experience in vocational education, intelligent manufacturing, construction engineering, and international collaborative programs.

The meeting identified several potential areas of cooperation, including joint training centers, academic program collaboration, curriculum and standard development, non-degree training, learning resource development, faculty and student exchange, and applied research projects. Priority fields discussed included robotics, artificial intelligence, IoT, semiconductors, electric vehicles, smart manufacturing, renewable energy, and power plant engineering. As a follow-up, both parties agreed to continue online discussions before the planned China–Indonesia vocational education forum in late April, prepare a draft MoU, map priority programs, and explore the possibility of a Shanxi delegation visit to Batam.

24. Temasek Polytechnic Students Visit (2025)



25. Singapore Polytechnic Immersion Program (2025)



Polibatam had the opportunity to collaborate with Singapore Polytechnic through a 3-day program held on May 30, July 1, and 2, 2025. Together with Polibatam English Club (PEC), the program focused on exchanging knowledge in business and management while also fostering cross-cultural understanding.

26. International Workshop with City of Glasgow College (2025)



Politeknik Negeri Batam (Polibatam) participated in the Training Partnership Program with City of Glasgow College, held from 3–14 February 2025 and attended by Polibatam lecturers. The program was officially opened by Vice Director I of Polibatam, Ahmad Riyad Firdaus, Ph.D., who expressed appreciation for the continuing collaboration with partners from the United Kingdom and emphasized the importance of international partnerships in improving the quality of vocational education.

The training aimed to strengthen academic and entrepreneurship competencies for educators, in line with the Global Entrepreneurship Education Network (GEEN) initiated by City of Glasgow College. Participants gained insights into entrepreneurial pedagogy, leadership, and business development strategies, complemented by visits to several alumni-owned businesses such as PT Intan Group Sari, PT Sanindo, PT Multi Mitra Guna, Mimishandmade, PT TechnoPilot Indonesia, and WarunkMasBeb. Through this collaboration, Polibatam is expected to expand its global partnership network and further support the development of competitive young entrepreneurs in the vocational education sector.

27. International Workshop with City of Glasgow College (2026)



Politeknik Negeri Batam (Polibatam) successfully organized the Global Entrepreneurship and Neurodiversity Education Program, held from January 19 to 30, 2026. This strategic program was the result of a strong collaboration with City of Glasgow College, Scotland.

The program featured Danilo Rigliaco, an academic from City of Glasgow College with a background in social sciences, as the main speaker. His participation offered fresh perspectives to the Polibatam academic community on integrating entrepreneurship concepts with a neurodiversity approach—an approach that values diverse learning styles and recognizes the unique potential of every individual.

Over the course of two weeks, participants consisting of lecturers and education staff were equipped with comprehensive materials covering quality culture enhancement, inclusive education, and the development of adaptive entrepreneurship curricula. Beyond theoretical discussions, the program also included interactive sessions and independent projects that challenged participants to design globally oriented learning practices while remaining responsive to the diverse needs of students.

28. Cooperation Discussion with GO Study Global (2025)



This discussion to aim a collaboration between Indonesia Higher education and company both in China and in Indonesia, also to expand a cooperation with china university.

29. Study to US Seminar Session with US Consulate for Medan (2025)



Politeknik Negeri Batam (Polibatam), through the Office for International Affairs, held a seminar titled **“Study and Career Abroad”** on April 11, 2025, at Tanjung Piayu Theater, Technopreneur Center. The seminar featured **Bernard Uadan, U.S. Consul for Sumatra**, who shared insights on international education and career opportunities, particularly in the United States, along with practical tips for preparing to study and work overseas. In his remarks, Polibatam Director **Ir. Bambang Hendrawan, ST., MSM., CIPMP., CISC.** expressed hope that the session would broaden students’ perspectives and support their future career development. The event also provided information on scholarships, study pathways, and

global career opportunities, reflecting Polibatam’s commitment to encouraging students to pursue international opportunities and become globally competitive graduates.

30. FREEDOM 250 TECH US with Batam Industry (2026)



Polibatam hosted the Freedom250 Tech Talk held on Friday, February 6, 2026, at the Polibatam Auditorium, cyber security was highlighted as a key pillar of trustworthy digital governance. The event was part of the Freedom250 celebration organized by the United States Consulate for Sumatra to commemorate the 250th anniversary of the independence of the United States in collaboration with Polibatam, by adopting a Pentahelix collaboration model. A crucial moment during the event was marked by the signing of a strategic Memorandum of Understanding (MoU) between Polibatam and Wiraraja Indonesia. This partnership

represents a long-term commitment to strengthening synergy between the education sector and major industries in Batam, covering internship programs, scholarships, upskilling initiatives, applied research, and the reinforcement of the Tridharma of Higher Education. Through this collaboration, both parties aim to ensure that technological and human resource development in Batam aligns with real industry needs.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.15] Number of sustainability community services project organised and/or involving students (ED.8)

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
1	Dr. Ari Wibowo,S.T., M.T.	Uuf Brajawidagda, S.T., M.T., Ph.D. Ir.Metta Santiputri, S.T., M.Sc, Ph.D. Miratul Khusna Mufida,S.ST, M.Sc Nur Zahrati Janah, S.Kom, M.Sc Sandi Prasetyaningsih, S.ST., M.Media Sartikha, S. ST.,M.Eng Ahmad Hamim Thohari, S.S.T., M.T. Dwi Amalia Purnamasari, S.T., M.Cs., C.TP. Alena Uperiati, S.T., M.Cs Gilang Bagus Ramadhan, A.Md. Kom. Yeni Rokhayati, S.Si., M.Sc Evaliata Br. Sembiring, S.Kom., M.Cs	Yulia Pipka Ziliwu Naufal Bagus P M. Iskandar Dinata Farhan Ramadhan Maulana Malik Ibrahim	Peningkatan Partisipasi Masyarakat Dalam Pelaporan Kerusakan Fasilitas Publik Melalui Aplikasi BALAP-IN di Kota Batam.	15.000.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		Cyntia Lasmi Andesti, M.Kom Ummul Fitri Afifah, M.MSI Nadya Satya Handayani, S.Kom., M.Kom Holong Marisi Simalango, A.Md., S.T., M.Kom. Sukma Evadini, S.T., M.Kom.			
2	Anugerah Wibisana, S.Tr.T, M.Tr.T	Ahmad Riyad Firdaus, S.Si., M.T., Ph.D Hendawan Soebhakti,ST, MT Rifqi Amalya Fatekha, S.ST, M.Tr.T Eko Rudiawan Jamzuri, S.ST, M.Sc Senanjung Prayoga, S.Pd., M.T Dodi Radot Lumbantoruan, A.Md. Ira Zamzami, A.Md.T Rifky Afriza, S.Tr.T., M.Sc Ryan Satria Wijaya S.Tr.T., M.Tr.T. Novi Andri Yani, A.Md Shelly Sri Pitriani, A.Md Oloan Gana Putra Siregar A.md Naurah	Clinton Alfaro Muhammad Hasmar Masdika Aliman Johannes Gland David Situmorang Alvin Welva Al- Ghifari Aldon Zufar Putra Twyn Hizam Machendra Mifta Maulana Muhammad Basyar Sevti Adi Levrar Panjaitan	Pelatihan Robotika dan Kompetisi RoboRoarz untuk Peningkatan Kompetensi STEM Siswa SMA/SMK di Kepulauan Riau	15.000.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		Nazhifah, S.Kom., M.C.S.(AI) Emelia Rosari Siregar, M.A.			
3	Rahmi Mahdaliza, S.Si., M.Si.	Dr. Budi Sugandi, S.T., M.Eng Prasaja Wikanta,ST, MT Nadhras Wivanius, S.Si., M.Si Fitriyanti Nakul, S.Pd., M.Si Widya Rika Puspita, S.Pd., M.Si., Ph.D Riki Ria, S.Tr.T Ira Zamzami, A.Md.T Vivin Octowinandi, S.Tr.T., M.Sc. Basuki Rachmatul Alam, MSc,PhD Hidayatussa'ada h, S.Si Rahmat Kurniawan Sulistiono, S.T., M.T.	Santo Mykolardo Sidabutar	Diseminasi ELINDERS Board (Universal Industrial Microcontroller Module with High Speed External 12 bit Parallel ADC) untuk Siswa SMA/SMK	-
4	Abdullah Sani, S.ST, M.Sc	Dr. Iman Fahrudi, S.T., M.T. Ridwan, S.ST., M.Tr.T Indra Hardian Mulyadi, M.Eng., IPM Nanta Faki Prebianto, S.ST., M.Sc Ika Karlina Laila Nur Suciningtyas,	Ikhsan Sabri Santo Januarius Jhon Kenedy Muhammad Ananda Aidil Bima Pratama	Diseminasi Otomatisasi Sistem Pemilihan Kabel untuk Siswa SMK	-

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		S.Si., M.Si Ari Setiawan, S.Tr.T., M.Tr.T Ardian Budi Kusuma Atmaja, S.Tr. Juliansyah Yangu, S.Tr.T Rabiah Al Adawiyah Anwar, S.Pd Bayu Prayogo Setiawan, S.Tr.T Ririn Humaera, M.Pd Nashrullah Abdurrahman Hanif S.Tr.T. Maria Evita Sari, S.Pd., M.Hum. Ferialia Fitri, S.T, M.T			
5	Lalu Kaisar Wisnu Kita, S.T., M.Sc.	Didi Istardi, ST, M.Sc Muhammad Syafei Gozali, ST, MT Fauzun Atabiq, S.T., M.Cs Hasnira, S.ST., M.Tr.T Irwanto Zarma Putra, S.Pd. M.Eng Adlian Jefiza, S.Pd., M.T.Ir. Jhon Hericson Purba, S.Pd., M.Pd. Arif Wahyu Budiarto, S.Tr. Muhammad Naufal Airlangga Diputra, S.Pd. Syukur Dwi Febri Pangestu	Ahmad Zaki Ejhiliyo Denggan Al Walid Harahap Juliarman Zebua Hafiz Al Fazli	Pelatihan Keselamatan dan Kesehatan Kerja bagi Siswa SMK Negeri 7 Batam	4.850.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		A.Md.T. Fadli Firdaus, M.Pd. Yusiran S.Si, M.T Mishthafiyatillah , S.Si., MSc Robi Kurniawan, S.T., M.T. Jihan Zeinyuta Rosafira, S.T., M.Eng Afif Nuril Musthofa, M.Tr.T			
6	Hana Mutialif Maulidiah S.T., M.Sc.	Daniel Sutopo Pamungkas, S.T.,M.T., Ph.D Ir. Kamarudin, ST, M.T.,IPM Handri Toar, S.ST., M.Tr.T. Aditya Gautama Darmoyono, S.T., M.T. Eka Mutia Lubis, S.Pd., M.Pd Ilham Kurnia, S.Tr.T Illa Aryeni, S.T., M.T. M. Jaka Wimbang Wicaksono, S.T., M.T. Nurhayati Fitri, A.Md. Mu'thiana Gusnam Nurkholifah Ahmad Syafi'i, S.Pd., M.T Irfan Bayu Laksono, A.Md.T.	Ilham Dwi Putra Arya Linosya Hindi Aghata Yudhi Hardin Rafiqah Yuliten Dwi Salwa Urip Ridho Pangestu Precelia Elizabeth Samosir Mohammad Hasanuddin Eha Sulastri Sirait Muhammad Rangga Kurniawan Dimas Aji Pangestu	SISTEM MONITORING KONDISI KOLAM BIOFLOK DAN PEMBERI MAKAN IKAN OTOMATIS UNTUK MEMBANTU PETERNAK IKAN DI BATAM	-

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
7	Ahmadi Irmansyah Lubis, S.Kom., M.Kom.	Hilda Widyastuti, S.T., M.T. Supardianto, S.ST., M.Eng. Muchamad Fajri Amirul Nasrullah, S.ST., M.Sc Swono Sibagariang, S.Kom., M.Kom Siskha Handayani, M.Si Mohamad Alif Dzulfiqar S.T., M.T. Noper Ardi, M.Eng. Suwarno, S.S., M.Pd Amirul mu'minin, S.Ds, M.Ds	Bustanul Ariffin Alfaturrahman Hadian Nelvi Eka Fitri Anisa	Pembangunan dan Penerapan Aplikasi Point of Sale (POS) Berbasis Website Pada UMKM Angkringan OmahMU Batam Center	7.200.000
8	Nugroho Pratomo Ariyanto, ST, M.Sc	Mufti Fathonah Muvariz, S.T., M. Eng. Muhammad Hasan Albana, S.Pd., M.T Nurul Laili Arifin, SST, M.T Chandra Defta Rusdwinanto, S.Tr.T Muhammad Ismail, S.Tr.T Tiwi Gustria Ningsih S.Pd., M.Han Yosef Adicita, M.Si Ifti Luthviana Dewi, S.Pd., M.Pd. Oki Setiawan, M.Eng	M. Al Adiyat Tanjung Kevin Setiawan Sirait Kezia Karina Saragih Defranzah Farhansyah Hakim Nahor Putra Situmorang	Program Pelatihan Magnetic Testing dan Penetrant Testing: Kolaborasi Strategis antara Industri dan SMKN	8.775.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
9	Nurul Ulfah, S.Si., M.T.	Andrew W P Mantik, S.T Roza Puspita, S.Pd., M.Hum. Ir. Aulia Fajrin, S.T., M.Sc. Tian Havwini, S.Si., M.A. Asrafi, A.Md. Hendra Butar Butar, S.Pd., M.T. Ebeng Sugondo S.T., M.T. Meschac Timothee Silalahi M.T	Gusniar Yulianti Adrian Valentino Lumban Tobing Daniel Syah Hendrawan Siregar Ega Rayani	Program Pelatihan Visual Testing : Kolaborasi Strategis antara Industri dan SMKN	8.730.000
10	Maria, S.ST., M.Sn.	Riwinoto,ST,M.Kom Ir. Selly Artaty Zega, S.ST., M.Sc Ir. Liony Lumombo, S.ST, M.IDes, IPM Arta Uly Siahaan, S.Pd, M.Pd Ardiman Firmanda, S.S.T, M.Tr.Kom Anis Rahmi, S.Tr. Kom., M.Sn. Ahmad Saropi, S.Tr. Kom. Rini Amadia, S.Sn., M.Sn. Widya Putri Ramadhani, S.Tr.Kom Yusuf rizky nur cahyono S.Sn., M.A Gerson Julyfer Parulian Tambun, S.Tr.T Chairael Adam	Al Buchari Muslim Nurhaliza Inelda Khusnul Nur Faozan Rio Farhan Saragih Alif Rizkiansyah	Pemanfaatan Komik untuk Mendorong Perilaku Berkelanjutan (Sustainability Behavior): Edukasi Lanjutan Pengelolaan Sampah Organik melalui Eco Enzyme di Tingkat Sekolah	9.000.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		S.Ds., M.Sn. Miftahul Husna Ghawa, S.Tr.Kom Sri Rahayu, M.Pd Recy Harviani Zurwanti, S,Pd., M.Pd. Yogi ilhami, S.Tr.T Kawan Pandiangan,S,Sn. ,M.Sn			
11	Izzatul Jannah, S.Ak., M.Ak.	Mega Mayasari, SE., M.Sc Arif Darmawan, SE, M.Sc Danar Irianto, S.E., M.Acc., Ak. Muhammad Ikhlah, S.E., M.Ak., Ak. CA. Nadia Fathurrahmi Lawita, B.Com., M.AccBIT Sarah Ulfah Al Amany, S.Ak., M.I.B Dewi Junita, S.E., M.Ak Susi Lestari, S.Si., M.Si.	Yolanda Putri Simare-mare Johana Putri Thresia Pardosi Sherly Kafka Chairunisa Ramadhani Fadhilah Rohmah Dheko Rahmadanny Ismed Ardianto Anggun Dwi Lestari	Pendampingan Optimalisasi Penggunaan Microsoft Office atau Aplikasi Lainnya pada Social Enterprise	8.537.000
12	Ari Wibowo, S.T., M.Eng	Cahyo Budi Nugroho, ST, M.Sc Randy Saputra, A.Md.T Fajar Dwi Nuryanto A.Md.T Novebriantika, S.T., M.T Wissesa A.Md.T.	Nayla Salsabila Renata Muhammad Rahul Muchlisin Kurniadi	Penguatan Akses Energi Listrik melalui Pembuatan Tiang Listrik di Kawasan Perumahan Bida	1.825.000
13	Danang Cahyagi.S.T., M.T.	Nidia Yuniarsih, S.T., M.T Hendra Saputra, S.T.,M.Eng	Owens Rivai Aan S. Saragi Napitu Muhamad Ramadhan	Program Pelatihan Drafter Teknik Konstruksi Kapal untuk Siswa SMK	8.875.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		Sapto Wiratno Satoto, S.T., M.T. Veryawan Nanda Perkasa S.T., M.Han Muhammad Irsyad Saihilmi S.T., B.Eng., M.T., M.Sc. Yusuf Nurhuda S.S.T. M.T Tiwi Gustria Ningsih S.Pd., M.Han Ir. Benny Haddli Irawan, S.Tr., M.T., IPM., ASEAN Eng., CIOMP. Ir. Ihsan Saputra, S.T, M.T Rizky Pratama Hudhajanto, S.ST., M.T. Nur Rafia Dija, S. Tr. T., M. T. Mohamad Alif Dzulfiqar S.T., M.T.	Tedy Saputra Mulyadi Iffando Darmansyah Fernando Muhammad Yusri Aksyaputra Dharma Louisa Galuh Ananda Putri Sefia Melati	se-Kota Batam Tahun 2025	
14	Nova Sabrina, S.Ak., M.Si	Hajan Hidayat, S.Psi, M.M Eddo Nanda Oktarici, S.E., BBA (Hons)., M.Sc Fuad Arif Rahman, S.AB.,MTV Reni Surmayanti, S.E., M.S.A Syafri Naldi, M.A.B. Fatma Saqdiah, S.M, M.Si.	Dheko Rahmadanny Ninda Wahyuni Binti Kasmin Anggun Dwi Lestari Muhammad Egha Octa Ranendra Lyra Ananda Dava Syafriandana	Pemberdayaan Pemasaran Digital Produk Kerajinan Tangan Warga Kampung Nelayan Batam: Inovasi Menuju Pasar yang Lebih Luas.	7.643.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
15	Alfonsa Dian Sumarna, S.E., M.Si	Hendra Gunawan, S.E., M.Sc. Tiara, S.Tr.Akun., M.Acc Riyadi Aprayuda, S.E., M. Ak.	Hesty Anggraini Najwa Mutiara Jasmine Lutfia Shalsabilla Ramadani Jihan Rosikhah Najwa Indira	Pendampingan Pembuatan Laporan Keuangan Pada UMKM Hijau SPA	4.760.000
16	Rizki Lanniari, S.E., M.Acc.	Arniati, SE., M.Si., PhD., Ak., CPA., CA Anjelina, S.ST., M.A. Sugeng Riadi, S.E., M.Ak. Ak Annisya Fitri Khairina Parinduri, S.Tr. Akun., M.Acc.	Rani Savitri Keisa Putri Salsabila Clara Sintha Elizabeth Siburian Cleo Sandrina Visska Afrilyana Pangaribuan Arisa Dewi Amelia Pangaribuan	Relawan Pajak Untuk Negeri	1.688.000
17	Mutia Ulfah, S.E., M.M	Bambang Hendrawan, S.T., M.S.M. Andi Erna Mulyana, S.T., M.Sc Ancala Laras Putri, S.Ds., M.A.B. Alrido Martha Devano, S.T., M.A.B. Aprizal Putra, S.AB, M.Si Daniel Kasidi, S.Pd., M.M Viona Metriani S. Tr.A.B., M.B.A. Ayu Diah Lestari, B.Sc. (Hons), M.B.A.	Lala Zakiya Nasution Sonia Suci Utami Puanliza Rahmitha Imam Muhamad Ahsin Hikari Daffiq Al Fayad Muhammad Faruq Azhar Haura Salsabila Dheko Rahmadanny Ismed Ardianto Dava Syafriandana	SERIP 360 - Program Penguatan Branding, Digitalisasi Promosi Dan Aktivasi Kampanye Wisata Digital Berbasis Partisipasi Komunitas Di Kampung Tua Bakau Serip	22.588.000
18	Yolanda Efionita, S.E., M.M.	Rahmat Hidayat, S.AB, M.AB Rusda Irawati, S.E., M.Si Desi Ratna Sari,	Intan Muslimah Rizqi Ratnaningsih Wika Aulia Alindry Irenita Mawarni Simanjuntak	Pengembangan Media Ajar Berbasis Digital untuk Mata Pelajaran Pancasila	7.500.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		S.Hum., M.Hum. Agus Supriyadi, S.Tr.AB., M.AB Muhammad Zainuddin, S.Tr. AB. Atiqotun Nisa, S.Tr.AB., MGB Multhahada Ramadhani Siregar, S.S., M.A. Zaimah, M. Pd	Ang Wei Li Ayumada Lumbantoruan Rania Shira Fadida Nazla Umayya Widy Tamara Manalu Siti Nabila Andalin Mercyana Monalisa Lubis Natasha Ramadhoni Vanessa Lutfya Balqis Amallia Hakiki Rahmanda Sasa Esa Deka Gita Natalia Lestari Naibaho Muhammad Budiman Salasin Anggun Amelia Panggabean Fatika Alista Rohati Fahira Balqis Nasuha Azmiara Divatiara Octavia Ramadhani Suci Ziara Attaya Alexa Ayu Paraswati Rizka Suci Oktaviani Muhammad Bachtiar Zulkarnain Irna Aisyah Yandini Restu Ananda Dinda Hardiniara Muhammad Rayhan Rahmadan Lucy Jayanti Sinaga Virnie Febyanti	di Sekolah Menengah Pertama (SMP) Negeri di Kota Batam (SMP N 57 Batam, SMP N 29 Batam, SMP S Prima School dan SMP BP Tahfidz At Taubah)	
19	Fauziah Muchlis, M.S.Ak	Afriyanti Hasanah, S.S.T., M.Sc Diah Amalia, S.E.,M.Ak.,Ak	Johana Putri Thresia Daniel Herdiansyah	Business Development Services untuk UMKM dan Koperasi :	9.000.000

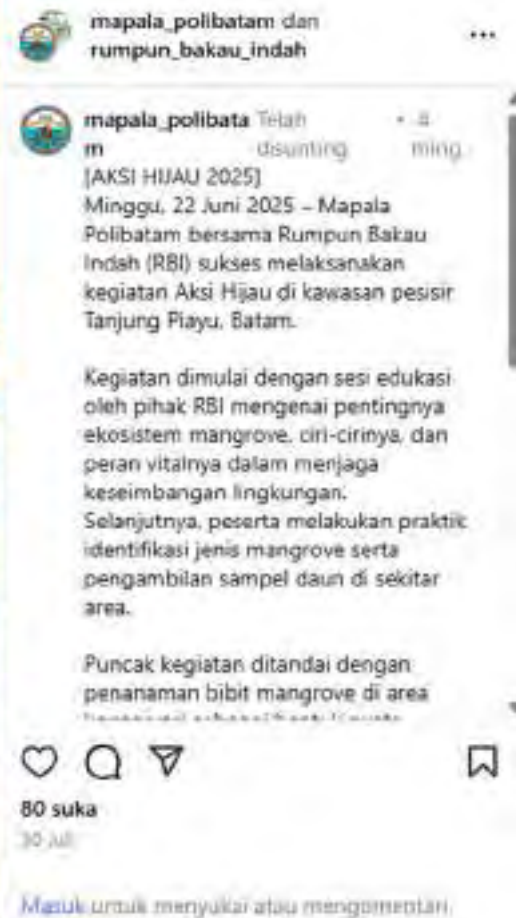
No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		Riri Zelmiyanti, S.E., M.Sc., Ak, CA Matheus Maruli, S.Tr.Akun Salsabila Nur Aini Sekarningrum, S.Ak., M.Acc Muhammad Ali Faisal, S.Pd., M.Acc		Pendampingan Edukatif di Bidang Keuangan dan Perpajakan di Era Digital	
20	Riri Zelmiyanti, S.E., M.Sc., Ak, CA	Muhammad Ramadhan Slamet, S.E., M.Acc Febrina Wulandari, S.Tr.Akun Rizka Destiana, S.Tr. Akun., M.Acc. Ridho Tanso Rikalmi, S.Tr.Akun., M.Ak	Fathia Rahmatillah Poppy Rahmawati Cindy Septiani Pakpahan Olivia Nathania Putri Tania Melyani Jamiel	Pendampingan Pelaporan Perpajakan, Stock Inventory dan Administrasi Keuangan Pada UMKM CV Mandiri Terpercaya Sejahtera	2.838.000
21	Domi Kamsyah, S.T., M.T.	Mutiarani, S.T, M.Sc Annisa Fyona, S.K.M., M.K.K.K Nurul Fadilah, S.Pd., M.Pd. Sriyanto, A.Md.T. Kholilur Rahman, A.Md.T. Kms M Avrieldi S.Pd., M.Pd.T Mendritfa Fadly, A.Md. T	Hikmah Karmila Abdullah Habiha M Hatta Ar Rasyid Muhammad Akmal Hafiz Adiansyah Boy Fransena Sitompul Muhammad Rasyad Alaric Albhin Alvarishi Mella Amyarti Muhammad Ivan Hakiki Muhammad Syahrul Nizam Sandy Josua Simanjuntak Farhan Sugenri Aritonang Jhon Aprius Limbong	Papan Nama TPA & Masjid Al Hidayah untuk Memotivasi Masyarakat Batam Menuju Generasi Madani	1.540.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
			Ahmad Pauji Muhammad Ezra Zulhijaji Raka Pratama		
22	Himawan Mochtoha, S.Tr.AB., MBA	Muslim Ansori,SE.M.Ak,C PA Slamet Soebagiyo, S.Sos, M.M Nur Rahmah Andayani, S.IP., M.Si Riza Khusniah, S.ST., M.AB. Maryani Septiana,S.Sos., M.Hum Sri Zuliarni, S.Sos., MBA. Atiqotun Nisa, S.Tr.AB., MGB Himawan Mochtoha, S.Tr.AB., MBA Susi Lestari, S.Si., M.Si.	Lady Alisya Khairael Sarah Nur Aulia Gracia Apriyani Tiara Novyalina Anggrey Brylian. B Agitya Putri Alifia Silvi Tiyaniti Nisya Emiliana Saidatul Chabibah Nuursasqia Ikke Fahmawati Sherli Dhea Patresia Samosir Ahmad Nawawi Siti Fatimah Azzahro Callysta Diva Filia Miftah Khoiriah Harahap Claudy Lourent Natalia Sitompul Nabilah Ghaisani Mardin Beni Putra Zai Nanda Artha Pratama Nabila Islamia Gabriel Didin Kristian Hotmaria Sagala Kayna Elizabeth Patty Najwa Aulia Ernest Dwi Swintannia Dewi Artha Pangaribuan Mazuwin Azrianisyah Dini Khatima Eliza Nurul Hamidah Anisa Tera	Pengembangan Media Pembelajaran Berbasis Digital di SMP Negeri di Kota Batam (Objek Pengabdian pada SMPN 63 Batam, SMPN 53 Batam, SMPN 6 Batam, SMPN 59 dan SMP 38 Batam)	5.477.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
			Tazkirah Azzahro Widya Andriani Wanda Azizah Donny Indah Fitriani Riyan Ramadhan Yemima Theresia Sibuea Nita Sari Koto Tiara Saskia Desi Narti Marindah Paulina Simbolon Aura Belita Manik Desline Agustina Germani Dea Nova Selya br Tarigan Salsa Diva Ajeng Elsa Renika Sihotang		
23	Meilani Mandhalena Manurung, S.T., M.T.	Nurman Pamungkas, S.T., M.T. Hanifah Widiastuti, S.T., Ph.D Mutiarani, S.T, M.Sc Nur Fitria Pujo Leksonowati, S.ST., M.Sc Ita Wijayanti, S.T.P., M.Sc Yogantara , A.Md Abulija Maskarai, A.Md Adi Syahputra Purba, S.Pd., M.Si. Meilani Mandhalena Manurung, S.T., M.T. Ninda Hardina Batubara, S.Pd.,	Fauzan kahfi Eni Edrie Jofan Batee Monica julianty Hikmah Karmila Abdullah Habiba	Program Mentoring Solidworks dan Pemesinan: Memahami Sifat Mekanis Beberapa Material melalui Desain dan Produksi Komponen untuk Siswa SMK Kartini	5.650.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		M.Si. Windy Stefani, S.T., M.Eng.			
24	Vina Kholisa Dinuka, S.E., M.Sc	Muslim Ansori,SE.M.Ak,C PA Sinarti,SE,M.Sc.A k., CA Nanik Lestari,SE, M.S.Ak Ria Anggraini, S.ST Winanda Wahana Warga Dalam, S.E., M.Acc Iassa Marcelina Soraya, S.Tr.Akun	Celia Faradhiba Yuliana Simanjuntak Amorita Asta Dewi Cahya Early Ramadhani Grace Damayanti malau	Pendampingan Pembuatan Laporan Keuangan Pada UMKM Browte	650.000
25	Dinda Indira Subagio, S.Pd., M.Ak.	Dr. Muhammad Zaenuddin, S.Si., M.Sc. Irsutami,SE,M.Ac c,Ak Ria Anggraini, S.ST Muhammad Irsyad Halim, S.E., M.Ak Reni Surmayanti, S.E., M.S.A Raja Yulianita Sarazwati, S.E., M.Sc.	Rukhil Luthfi Afifah Daniel Herdiansyah Eka Jessica Situmorang Chintya Lista Dakhi Vista Mardiana	Pendampingan Penyusunan Laporan Keuangan dan Pelaporan Pajak ID PROJECT (PT KAGUNGAN JAYA SUKSES)	2.294.000
26	Maidel Fani, S.Pd., M.Kom.	Dr. Andy Triwinarko,ST, MT Nur Cahyono Kushardianto,S.S i., M.T., M.Sc, Ph.D Ir. Dwi Ely Kurniawan,	Azis Ali Nasution Vica Guneven Surya Shinta Widya Pransiska Monalisa Cristine Putri Siagian	Peningkatan Keamanan Aplikasi pada Dinas Kominfo Kota Batam melalui IT Security Assessment untuk Mitigasi Risiko Siber dan	2.450.000

No	Nama Ketua	Nama Anggota Dosen/ Laboran	Nama Anggota Mahasiswa	Judul Kegiatan	Total Pencairan Dana
		M.Kom Nelmiawati, B.CS., M.Comp.Sc Hamdani Arif, S.Pd., M.Sc Dodi Prima Resda, S.Pd., M.Kom Festy Winda Sari, S.Tr. Kom., M.Sc Muhammad Idris, S.Tr., M.Tr.Kom Antoni Haikal, S.S.T., M.T		Pencegahan Penyebaran Informasi Judi Online	



Green Action Together

This activity is a concrete effort to restore and preserve degraded land through tree planting, both inside and outside forest areas. It aims to educate members and students about the importance of environmental conservation and creating a greener environment. The activity also enhances understanding of the vital role plants play in producing oxygen and maintaining the balance of the Earth's ecosystem.



Recycled Bulletin Board Competition

The Recycled Bulletin Board Competition is a platform for participants to showcase their artistic talents and creativity by creating engaging and educational information displays. Using recycled materials, participants are encouraged to manage waste creatively, raising awareness about the importance of proper waste management. This competition also provides a space for participants to express themselves and convey meaningful messages through their bulletin board creations.



Program to Strengthen the Capacity of Student Organizations

Design of an Integrated Solar Energy-Based Waste Management System to Enhance the Circular Economy and Sustainability of Seraya Island



Program to Strengthen the Capacity of Student Organizations

Sustainable Waste Management through Community-Based Initiatives, Participatory Education, and Environmental Action Towards a Clean and Mosquito-Free Akar Island



Program to Strengthen the Capacity of Student Organizations

Smart Monitoring System for Optimizing Soil pH and Moisture to Increase Agricultural Productivity in Sidomulyo Village Towards Modern Farming



Description:

In community service activities there were 31 titles, involving 292 students.

Politeknik Negeri Batam promotes sustainability and environmental responsibility through student-led initiatives. These programs, organized by student groups, encourage behavioural change, improve environmental literacy, and foster community involvement in sustainable practices.

These activities encompass environmental clean-ups, recycling competitions, and community empowerment projects that emphasize renewable energy adoption and sustainable waste management. Examples include the following initiatives.

- **Clean-up Activity:** This initiative involves collective efforts to reduce waste and prevent pollution by cleaning the local environment, thereby raising awareness of environmental hygiene and sustainability.
- **Green Action Together:** This tree-planting and land restoration program educates students on the significance of conservation and the function of vegetation in supporting ecological balance.
- **Recycled Bulletin Board Competition:** A creative initiative encouraging waste reduction and artistic expression using recycled materials, promoting responsible waste management.
- **Community-Based Programs under the Capacity Strengthening Initiative:**
- **Design of an Integrated Solar Energy-Based Waste Management System on Seraya Island,** promoting circular economy principles and renewable energy use.
- **Sustainable waste management on Akar Island** is promoted through community education and environmental action, which increases public awareness of health and effective waste control.
- **Smart Monitoring System for Soil pH and Moisture in Sidomulyo Village,** promoting precision agriculture for sustainable food production.



These activities collectively support several Sustainable Development Goals (SDGs), notably: SDG 7 (Affordable and Clean Energy), SDG 11 (Sustainable Cities and Communities), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action), SDG 14 (Life Below Water), and SDG 15 (Life on Land).

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://p2m.polibatam.ac.id/?p=8568>

https://drive.google.com/drive/folders/1Vc2BLIhiCJZqWHY6xKnyzCmN5dQpE-Xx?usp=drive_link

https://www.instagram.com/p/DMuVIIpZqWs/?utm_source=ig_web_copy_link

https://www.instagram.com/p/DJ8ti0tzwf8/?utm_source=ig_web_copy_link

https://www.instagram.com/p/DNN4r2kyE4s/?utm_source=ig_web_copy_link

https://www.instagram.com/ppkormawa_bempolibatam?igsh=djVtZ2Q2M3JrMnM0

<https://www.instagram.com/p2k.hmmbpb?igsh=MXJvbXVtdzVsbWZwZA==>

<https://www.instagram.com/p2khme?igsh=aW9wc2lidmJ0a3NI>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education & Research

[6.16] Number of sustainability-related startups (ED.9)

No.	Information
1	Startup name: 1. Polibatam Software Team (PSTeam) 2. Digi. Ars Studio 3. Polibatam Cyber Labs (PCLabs) 4. Polibatam Surveying and Mapping Services 5. Center of Accounting and Fintech 6. Center for Global Trade & Supply Chain Mangement 7. Center for Commercialization & Sales Product (Polibatam Store) 8. Center for Business Innovation & Entrepreneurship (Bizhub Polibatam) 9. Center for Tax Center 10. Center for Galeri Investasi 11. TREEMINE: Center for Electronic Engineering, Manufacturing, and Calibration 12. Center for Robotics and Artificial Intelligence 13. Center for Smart Power and Factory Automation 14. Center for Naval Architecture and Marine 15. Center for Material Testing 16. Center for Design Pipe, Structure and Manufacture Production 17. Center for Mold and Dies 18. Center for Aircraft Maintenance and Development Aircraft 19. Center for Safety and Environment 20. Center for Welding 21. Center for Bahasa dan Budaya URL: https://p2m.polibatam.ac.id/?p=8683 Description: A Center of Excellence (CoE) is a unit, team, or program focused on a specific area of expertise or competency to lead, disseminate knowledge, drive innovation, and implement best practices within an organization, whether a company or an educational institution. In the context of education in Indonesia, CoE also often refers to government support programs to help universities implement programs.

No	Nama CoE	Nama Jurusan	Nama Ketua
1	Polibatam Software Team (PSTeam)	Teknik Informatika	Sartika, S. ST., M.Eng
2	Digi_Ars Studio		Chairael Adam S.Ds., M.Sn
3	Polibatam Cyber Labs (PCLabs)		Antoni Haikal, S.ST, M.T
4	Polibatam Surveying and Mapping Services		Ir. Lutfiya Rama Sari, S.Si., M.T
5	Center of Accounting and Eintech		Nadia Fatmurahtmi Lawita, B.Com., M.AccBIT
6	Center for Global Trade & Supply Chain Management	Manajemen Bisnis	Jessica Clifia, S.Tr.Akun., M.Log
7	Center for Commercialization & Sales Product (Polibatam Store)		Nova Sabrina, S.Ak., M.Si
8	Center for Business Innovation & Entrepreneurship (Bizhub Polibatam)		Mutis Ulfah, S.E., M.M
9	Center for Tax Center		Anjelina, S.S.T., M.A.
10	Center for Galeri Investasi		Riyadi Apreyada, S.E., M. Ak
11	TREEMINE Center for Electronic Engineering, Manufacturing and Calibration	Teknik Elektro	Ika Kertina Laila Nur Suciningtyas, S.Si., M.Si
12	Center for Robotics and Artificial Intelligence		Eko Rudawan Jamzuri, S.ST, M.Sc
13	Center for Smart Power and Factory Automation		Adrian Jefiza, S.Pd., M.T
14	Center for Naval Architecture and Marine		Adi Syahputra Purba, S.Pd., M.Si
15	Center for Material Testing		Ebang Sugondo, M.T
16	Center for Design Pipe, Structure and Manufacture Production	Teknik Mesin	Kimo M. Anieldi., M.Pd.T
17	Center for Mold and Dies		Melani Mandhalena Manurung, S.T., M.T
18	Center for Aircraft Maintenance and Development Aircraft		Mohamad Aji Dzulfiqar, M.T
19	Center for Safety and Environment		Yusef Adicita., M.Sc
20	Center for Welding		Oki Setiawan., M.Eng
21	Center for Bahasa dan Budaya		Erikson Togatorop, S.S., M.Pd., Ph.D

Additional evidence link (e.g. for videos, more images, or other files that are not included in this file):

<https://p2m.polibatam.ac.id/?p=8683>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.17] Total number of graduates with green jobs (for the last 3 years)

Academic Year	Faculty/Department	Total Graduates	Graduates with Green Jobs	Description of Green Jobs	Data Source
2024/2025	Business Management	871	89	Finance, Purchasing, General Affair	Pra Graduation Survey
2024/2025	Informatics Engineering	482	50	Surveyor, Programmer, Teacher	Pra Graduation Survey
2024/2025	Electrical Engineering	569	128	Renewable Energy Engineer, HSE Technician, QA Technician, Maintenance	Pra Graduation Survey
2024/2025	Mechanical Engineering	498	59	Aircraft Maintenance, Renewable Energy Engineer, Building and Residential Analyst	Pra Graduation Survey
2023/2024	Business Management	494	29	Finance, Procurement, General Affair	Tracer Study Data
2023/2024	Informatics Engineering	337	15	Surveyor, Programmer, Teacher, Animator	Tracer Study Data
2023/2024	Electrical Engineering	298	38	HSE Technician, QA Technician, Maintenance	Tracer Study Data
2023/2024	Mechanical Engineering	381	7	Project Manager, Aircraft Maintenance	Tracer Study Data
2022/2023	Business Management	257	27	Finance, Purchasing, General Affair	Tracer Study Data
2022/2023	Informatics Engineering	234	9	Surveyor, Programmer, Teacher, Graphic Designer	Tracer Study Data
2022/2023	Electrical Engineering	327	145	HSE Technician, QA Technician, Maintenance	Tracer Study Data
2022/2023	Mechanical Engineering	313	38	Project Manager, Aircraft Maintenance	Tracer Study Data
Total			634		

Description:



A total of **632 alumni** work in green jobs companies, with some employed as renewable energy engineers and HSE technicians. Others work in finance, supporting companies in carrying out green jobs activities.

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.18] Total number of graduates (for the last 3 years)

Academic Year	Faculty/Department	Total Graduates
2024/2025	Business Management	871
2024/2025	Informatics Engineering	482
2024/2025	Electrical Engineering	569
2024/2025	Mechanical Engineering	498
2023/2024	Business Management	494
2023/2024	Informatics Engineering	337
2023/2024	Electrical Engineering	298
2023/2024	Mechanical Engineering	381
2022/2023	Business Management	257
2022/2023	Informatics Engineering	234
2022/2023	Electrical Engineering	327
2022/2023	Mechanical Engineering	313
Total		5061

Description:

Overall Observations:

- Management and Business has the **highest growth rate**, making it the fastest-growing program in terms of graduates.
- Electrical Engineering and Informatics show **healthy growth trends**, signaling strong demand in technical fields.
- Mechanical Engineering remains **stable**, reflecting a steady but less pronounced interest.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.19] Percentage of number of graduates with green jobs (for the last 3 years) (ED10)

Academic Year	Faculty/Department	Total Graduates	Graduates with Green Jobs	Description of Green Jobs	Data Source
2024/2025	Business Management	871	89	Finance, Purchasing, General Affair	Pra Graduation Survey
2024/2025	Informatics Engineering	482	50	Surveyor, Programmer, Teacher	Pra Graduation Survey
2024/2025	Electrical Engineering	569	128	Renewable Energy Engineer, HSE Technician, QA Technician, Maintenance	Pra Graduation Survey
2024/2025	Mechanical Engineering	498	59	Aircraft Maintance, Renewable Energy Engineer, Building and Residential Analyst	Pra Graduation Survey
2023/2024	Business Management	494	29	Finance, Procurement, General Affair	Tracer Study Data
2023/2024	Informatics Engineering	337	15	Surveyor, Programmer, Teacher, Animator	Tracer Study Data
2023/2024	Electrical Engineering	298	38	HSE Technician, QA Technician, Maintenance	Tracer Study Data
2023/2024	Mechanical Engineering	381	7	Project Manager, Aircraft Maintance	Tracer Study Data
2022/2023	Business Management	257	27	Finance, Purchasing, General Affair	Tracer Study Data
2022/2023	Informatics Engineering	234	9	Surveyor, Programmer, Teacher, Graphic Designer	Tracer Study Data
2022/2023	Electrical Engineering	327	145	HSE Technician, QA Technician, Maintenance	Tracer Study Data
2022/2023	Mechanical Engineering	313	38	Project Manager, Aircraft Maintance	Tracer Study Data
Total		5061	634		

**Description:**

(Please describe percentage of number of graduates with green jobs. The following is an example of the description. You can describe more related items if needed.)

Total number of graduates: 5061

Total number of graduates with green jobs: **634**

Percentage of number of graduates with green jobs:

(Total number of graduates with green jobs/ Total number of graduates) x 100%

= (634/5061) x 100%

= 12.53%

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[6] Education and Research (ED)

[6.20] Impact of Education and Research programs in supporting the Sustainable Development Goals (SDGs)







Description:

Politeknik Negeri Batam (Polibatam), through its Research and Community Service Center (P3M), continues to demonstrate its strong commitment to sustainable development and community empowerment. On September 30, 2025, the P3M Polibatam team, in collaboration with Perusahaan Gas Negara (PGN), carried out a Community Service activity at Pulau Lanche, Batam City.

The program involved the handover of a solar drying system designed for drying gonggong shell waste in PGN's fostered village. This initiative integrates technological innovation with renewable energy solutions to support environmental sustainability and local economic development.

This activity contributes to several United Nations Sustainable Development Goals (SDGs):

1. **SDG 7 – Affordable and Clean Energy:**
Utilizes solar energy as a clean and renewable power source to reduce dependence on conventional energy.
2. **SDG 9 – Industry, Innovation, and Infrastructure:**
Promotes technological innovation and strengthens local capacity through the application of appropriate and sustainable technology.
3. **SDG 12 – Responsible Consumption and Production:**
Encourages the circular economy by transforming shell waste into valuable products through sustainable processing methods.
4. **SDG 14 – Life Below Water:**
Supports marine ecosystem preservation by reducing waste pollution in coastal areas.
5. **SDG 17 – Partnerships for the Goals:**
Strengthens collaboration between academia, industry, and local communities in achieving shared sustainability objectives.



Polibatam carried out Community Service activities in collaboration with UTeM, carrying out a trash clean-up action at Setokok Beach, Batam, Riau Islands.

Description:

Community Service Collaboration: Polibatam × UTeM

Politeknik Negeri Batam (Polibatam) conducted a Community Service program in collaboration with Universiti Teknikal Malaysia Melaka (UTeM), organizing a beach clean-up activity at Setokok Beach, Batam, Riau Islands. This initiative supports several United Nations Sustainable Development Goals (SDGs):

1. **SDG 12 – Responsible Consumption and Production:**
Promotes awareness of sustainable waste management and encourages responsible consumption habits among the community.
2. **SDG 14 – Life Below Water:**
Contributes to the protection of marine ecosystems by reducing plastic and solid waste pollution along the coastline.
3. **SDG 15 – Life on Land:**
Helps prevent land degradation and supports the conservation of biodiversity in coastal and surrounding areas.
4. **SDG 17 – Partnerships for the Goals:**
Strengthens international collaboration between higher education institutions to promote sustainability and community engagement.

Through this joint action, Polibatam and UTeM demonstrate their shared commitment to environmental protection and sustainable community development.



Description:

Politeknik Negeri Batam (Polibatam) reaffirmed its commitment to community empowerment and sustainable innovation through the dissemination of the “Galah Cerdas Pemetik Cengkeh” under the LPDP-funded Katalisator Kemitraan Berdikari Program in Bunguran Utara, Natuna (October 8, 2025).

In collaboration with BumDesma Bunguran Utara Abadi and SMK Negeri 1 Bunguran Timur Laut, Polibatam provided 8 units of the smart clove-picking tool and 1 unit of a 3D printer, conducted hands-on training, and established SMK Negeri 1 as a service and maintenance center in Natuna.

The innovation uses camera and IoT sensors to detect fruit ripeness accurately, increasing productivity and minimizing work risks for farmers. This project highlights Polibatam’s effort to bridge education, technology, and local community needs.

SDG Linkages:

1. SDG 2 – Zero Hunger: Improves agricultural efficiency and productivity to support food security and farmers' livelihoods.
2. SDG 8 – Decent Work and Economic Growth: Encourages local entrepreneurship and sustainable rural economic development.
3. SDG 9 – Industry, Innovation, and Infrastructure: Promotes research-based innovation and technological adoption in agriculture.
4. SDG 4 – Quality Education: Strengthens vocational training and technology transfer through collaboration with local schools.
5. SDG 17 – Partnerships for the Goals: Builds strong partnerships between academia, industry, and rural communities.

Through this initiative, Polibatam demonstrates how vocational education can deliver impactful research and innovation that empower local communities and drive sustainable rural development.



Description:

Politeknik Negeri Batam (Polibatam), through the Aircraft Maintenance Engineering Study Program (TPPU), officially launched the Aircraft Maintenance Training Organization (AMTO) Basic License Program to provide professional certification opportunities in aircraft maintenance for students and industry participants.

The program offers two main pathways tailored to aviation industry needs:

1. Airframe, Piston Engine, and Gas Turbine Engine (Licenses A1, A3, A4) – focusing on airframe structure and engine systems.
2. IERA / Avionic (Licenses C1, C2, C4) – focusing on aircraft instrumentation, electronics, radio, and avionics systems.

This initiative underscores Polibatam's commitment to producing highly skilled, globally competitive aviation professionals equipped with internationally recognized certification.

SDG Linkages:

1. SDG 4 – Quality Education: Expands access to technical and vocational training in a high-skill industry.
2. SDG 8 – Decent Work and Economic Growth: Develops competent human resources to meet the growing demand in the aviation sector.
3. SDG 9 – Industry, Innovation, and Infrastructure: Strengthens collaboration between education and industry to support innovation and safety in aviation technology.
4. SDG 17 – Partnerships for the Goals: Fosters partnerships with industry and aviation authorities for sustainable human capital development.

Through the AMTO program, Polibatam reaffirms its role as a leading vocational institution advancing Indonesia's aviation industry and sustainable skills development.

Additional evidence

Education, research and community services are powerful enablers of sustainable development. Their strategic alignment with the SDGs—especially through interdisciplinary collaboration, inclusive policies, and applied innovation—is essential for solving complex global challenges.

Link: https://www.instagram.com/p/DPvBzlwE5wz/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA=

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<https://www.instagram.com/p/DPxVXmBjY0S/>



GOVERNANCE AND DIGITALIZATION

- 4. Quality Education
- 5. Gender Equality
- 9. Industry, Innovation and Infrastructure
- 10. Reduced Inequalities
- 15. Life on Land
- 17. Partnerships for The Goals



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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[7] Governance and Digitalization

[7.2] University budget for sustainability effort (in US Dollars)

	2023	2024	2025	Average
Budget Total	\$ 500000	\$ 540000	\$ 450000	\$ 496666
Sustainability Budget	\$ 130000	\$ 170000	\$ 150000	\$ 150000
			Percentage	30 %

- o **Energy Efficiency and Renewable Energy (5%): \$722,605.82**
- o **Waste Reduction and Recycling (10%): \$1,445,211.64**
- o **Water Conservation (10%): \$1,445,211.64**
- o **Sustainable Transportation (5%): \$722,605.82**
- o **Sustainable Procurement (5%): \$722,605.82**
- o **Green Building Initiatives (10%): \$1,445,211.64**
- o **Carbon Management and Offsetting (5%): \$722,605.82**
- o **Training and Engagement of Academic Community (20%): \$2,890,423.28**
- o **Facility Maintenance for Sustainability (30%): \$4,335,634.78**

Item 1.17	Value 2023 (€)
FACILITIES	
Sign language interpretation service for technical-administrative staff	4505.56
Activities to support students with disabilities and DSAs	327514
Psychological Help Service for students	350000
Costs for staff health insurance (equity)	1429597.58
Salaries for medical academic staff (equity)	49786921
University contribution to university sports activities (wellbeing)	1007051.15
Electricity and gas costs compliant with Minimum Environmental Criteria (*)	14410000
TRANSPORTATION	
Electric cars for staff	250000
Grants for Bus and train passes for students and staff (TPER and Trenitalia)	1831470.54
PERSONNEL COST (*)	
Dedicated staff for sustainability	7553219.23
Dedicated faculty for sustainability	33326282.68
INFRASTRUCTURES	
Building budget for sustainability measures, including energy efficiency (constructions)	7726557.75
Flow reducer installation project (Palazzo Poggi)	7024.71
Green maintenance, new planting and outdoor furniture (EXtra project) (green areas)	630035.54
Botanic Garden maintenance (green areas)	10918.95
Costs for special waste treatment and disposal (waste)	263790.78
RESEARCH	
(incoming) funds acquired from research projects in sustainability	108541925.96
OTHER PROJECTS AND EVENTS	
LaBo2030	4500
Alma Mater Fest	119000
TOTAL	227461315.43

Description:

- The average percentage university budget for our university is 30%

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[7] Governance and Digitalization

[7.6] Sustainability Report (GD.3)

	
Sustainability report (Politeknik Negeri Batam, Indonesia)	
	
Sustainability report (Politeknik Negeri Batam, Indonesia)	

Description:

Annual regularity should be proven at least for the last 3 years

Sustainability report available on this link: <https://www.polibatam.ac.id/laporan-green-campus-polibatam/>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[7] Governance and Digitalization (GD)

[7.8] Financial Report (GD.4)

Description:

Polibatam's official audited financial report (FY 2025) is publicly accessible at the following address:

[LK-Audited-2025-Polibatam.pdf](#)



Audited Financial Report 2025: <https://www.polibatam.ac.id/wp-content/uploads/2026/05/LK-Audited-2025-Polibatam.pdf>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[7] Governance and Digitalization (GD)

[7.10] Availability of unit(s) or office(s) that coordinate sustainability on campus (GD.5)

	KEMENTERIAN PENDIDIKAN TINGGI, SAINS, DAN TEKNOLOGI POLITEKNIK NEGERI BATAM Jalan Ahmad Yani, Batam Centre, Kecamatan Batam Kota, Batam 20461 Telepon: 462 778 469856 - 465980, Faksimile: 462 778 461620 Email: web@polibatam.ac.id, Satri: info@polibatam.ac.id
KEPUTUSAN DIREKTUR POLITEKNIK NEGERI BATAM NOMOR 565/PL25/RTT/1446/2020	
TENTANG TIM PENGEMBANGAN KAMPUS BERKELANJUTAN BERBASIS UI GREENMETRIC SUSTAINABLE UNIVERSITY RANKINGS POLITEKNIK NEGERI BATAM TAHUN 2020	
Menimbang,	DIREKTUR POLITEKNIK NEGERI BATAM, 1. bahwa dalam rangka meningkatkan kualitas dan pengembangan berbagai kegiatan terhadap upaya global dalam mengatasi perubahan iklim serta mendukung program pembangunan berkelanjutan; 2. bahwa UI GreenMetric merupakan salah satu program internasional khusus berorientasi dalam rangka pemertanian capaian IKU 7 (Persentase keterlibatan perguruan tinggi dalam SDG 1 (pengurangan kemiskinan), SDG 4 (pendidikan berkualitas), SDG 12 (konsumsi), dan 2 (ketan pangan secara berkelanjutan); 3. bahwa apabila penilaian pemertanian program berkelanjutan dapat dilaksanakan sebagai salah satu instrumen untuk mengukur pencapaian IKU 7 (Persentase keterlibatan perguruan tinggi dalam SDG 1 (pengurangan kemiskinan), SDG 4 (pendidikan berkualitas), SDG 12 (konsumsi), dan 2 (ketan pangan secara berkelanjutan); 4. bahwa berdasarkan pertimbangan di atas, maka perlu menetapkan Keputusan Direktur tentang Tim Pengembangan Kampus Berkelanjutan Berbasis UI GreenMetric Sustainable University Rankings Politeknik Negeri Batam Tahun 2020.
Mengingat,	1. Undang-Undang Nomor 22 Tahun 2009 tentang Pemerintahan dan otonomi daerah (Lampiran 1) Undang-Undang Nomor 6 Tahun 2003 tentang Peraturan Pemerintah Pengganti Undang-Undang Nomor 2 Tahun 2002 tentang Cipta Kerja menjadi Undang-Undang; 2. Undang-Undang Nomor 10 Tahun 2012 tentang Pendidikan Tinggi; 3. Undang-Undang Nomor 18 Tahun 2020 tentang Pendidikan Nasional;
Pemerintah	

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4. Peraturan Menteri Riset, Teknologi dan Pendidikan Tinggi Nomor 41 Tahun 2016 tentang Statuta Politeknik Negeri Batam;
5. Peraturan Menteri Pendidikan, Kebudayaan, Riset, dan Teknologi Nomor 12 Tahun 2023 tentang Organisasi dan Tata Kerja Politeknik Negeri Batam;
6. Peraturan Menteri Pendidikan Tinggi, Sains, dan Teknologi Nomor 39 Tahun 2025 tentang Penjaminan Mutu Pendidikan Tinggi;
7. Keputusan Menteri Pendidikan, Kebudayaan, Riset dan Teknologi Nomor 79783/M/06/2024 tentang Pengangkatan Direktur Politeknik Negeri Batam Periode 2024-2028;
8. Keputusan Menteri Pendidikan Tinggi, Sains, dan Teknologi Nomor 358/M/KEP/2025 tentang Indikator Kinerja Utama Perguruan Tinggi dan Lembaga Layanan Pendidikan Tinggi di Lingkungan Kementerian Pendidikan Tinggi, Sains, dan Teknologi.

MEMUTUSKAN

- Menetapkan : KEPUTUSAN DIREKTUR POLITEKNIK NEGERI BATAM TENTANG TIM PENGEMBANGAN KAMPUS BERKELANJUTAN BERBASIS UI-GREENMETRIC SUSTAINABLE UNIVERSITY RANKINGS POLITEKNIK NEGERI BATAM TAHUN 2026
- KESATU : Menetapkan Tim Pengembangan Kampus Berkelanjutan berbasis UI-GreenMetric Sustainable University Rankings Politeknik Negeri Batam Tahun 2026, sebagaimana tercantum dalam lampiran yang merupakan bagian tidak terpisahkan dari keputusan ini.
- KEDUA : Tim Pengembangan Kampus Berkelanjutan berbasis UI-GreenMetric Sustainable University Rankings Politeknik Negeri Batam Tahun 2026 sebagaimana yang dimaksud pada diktum KESATU memiliki tugas sebagai berikut :
- Tim Pengembangan Kampus Berkelanjutan berbasis UI-GreenMetric Sustainable University Rankings Politeknik Negeri Batam Tahun 2026 sebagaimana yang dimaksud pada diktum KESATU memiliki tugas sebagai berikut :
- a. Mengidentifikasi kebutuhan data sesuai dengan 7 (enam) kriteria UI Green Metric, yaitu :
 - 1) *Setting and Infrastructure (SI)*;
 - 2) *Energy and climate change (EC)*;
 - 3) *Waste (WS)*;
 - 4) *Water (WR)*;
 - 5) *Transportation (TR)*; dan
 - 6) *Education and Research (ED)*.
 - 7) *Governance and Digitalisation (GD)*

Merencanakan ...

-3-

- b. Merencanakan dan Melaksanakan kegiatan untuk memenuhi kriteria UI Green Metric
- c. Mengumpulkan data dan menyusun laporan sesuai kriteria;
- d. Mengumpulkan laporan ke *website UI-GreenMetric*.

KETIGA : Keputusan ini berlaku sejak tanggal ditetapkan sampai dengan selesainya kegiatan Pengembangan Kampus Berkelanjutan Berbasis UI GreenMetric Sustainable University Rankings Tahun 2026.

KEEMPAT : Apabila di kemudian hari terdapat kekeliruan dalam keputusan ini akan dilakukan perbaikan sebagaimana mestinya.

Ditetapkan di Batam
pada tanggal 5 Maret 2026

Direktor



Bambang Hendrawan
NIP 197706252012121003

LAMPIRAN KETUTUBAN DIREKTUR POLITEKNIK NEGERI BATAM TENTANG
TIM PENGEMBANGAN KAMPUS BERKELANJUTAN BERBASIS UI
GREENMETRIC SUSTAINABLE UNIVERSITY RANKINGS POLITEKNIK NEGERI
BATAM TAHUN 2026

NOMOR : 505/PL29/KPT.PAM/2026

TANGGAL : 5 Maret 2026

No.	Nama	Posisi	Tugas dan Tanggungjawab
1.	Penanggung Jawab	Pengarah	- Menyusun dan menetapkan kebijakan tentang program keberlanjutan untuk pemenuhan 17/ SDGs melalui kegiatan penelitian menggunakan literasi UI GreenMetric Sustainable University Ranking. - Mengembangkan tim untuk melaksanakan kegiatan penelitian dalam rangka pemenuhan 17/ SDGs khususnya keberlanjutan program studi khususnya SDG 4 (tanggap keberlanjutan), SDG 9 (penelitian berkeadilan), SDG 17 (kemampuan), dan 2 (lingk) SDGs lain sesuai keunggulannya masing-masing diutamakan.
2.	Manajer Studi	Manajer	- Menyusun dan menetapkan tim pelaksana tentang program keberlanjutan untuk pemenuhan 17/ SDGs melalui kegiatan penelitian menggunakan literasi UI GreenMetric Sustainable University Ranking. - Mengembangkan tim untuk melaksanakan kegiatan penelitian dalam rangka pemenuhan 17/ SDGs khususnya keberlanjutan program studi khususnya SDG 4 (tanggap keberlanjutan), SDG 9 (kemampuan), dan 2 (lingk) SDGs lain sesuai keunggulannya masing-masing diutamakan.
3.	Asisten	Manajer	- Menyusun dan menetapkan tim pelaksana tentang program keberlanjutan untuk pemenuhan 17/ SDGs melalui kegiatan penelitian menggunakan literasi UI GreenMetric Sustainable University Ranking. - Mengembangkan tim untuk melaksanakan kegiatan penelitian dalam rangka pemenuhan 17/ SDGs khususnya keberlanjutan program studi khususnya SDG 4 (tanggap keberlanjutan), SDG 9 (kemampuan), dan 2 (lingk) SDGs lain sesuai keunggulannya masing-masing diutamakan.

No.	Nama	Posisi	Tugas dan Tanggungjawab
			SDG 1 (tanpa aksi nyata), SDG 4 (pendidikan berkualitas), SDG 17 (kemitraan), dan 2 (dosa) SDGs lain sesuai ketentuan) melalui penilaian: UI GreenMetric Sustainable University Rankings
4.	Evelina H. Sembiring	Unit Penanggungjawab	1. Merespon dan menyusun draft kriteria untuk program keberlanjutan untuk pemenuhan KU SDGs melalui kegiatan penilaian menggunakan kriteria UI GreenMetric Sustainable University Rankings 2. Bertanggung jawab terhadap kegiatan program keberlanjutan dalam rangka pemenuhan KU SDGs (Pemenuhan kriteria keberlanjutan tinggi dalam SDG 1 (tanpa aksi nyata), SDG 4 (pendidikan berkualitas), SDG 17 (kemitraan), dan 2 (dosa) SDGs lain sesuai ketentuan) melalui penilaian UI GreenMetric Sustainable University Rankings
5.	Dan Karsisari	Ketua	1. Berkoordinasi dengan tim untuk melaksanakan kegiatan pemenuhan target pencapaian KU SDGs melalui kegiatan penilaian kriteria UI GreenMetric Sustainable University Rankings 2. Mengidentifikasi ketuntasan data sesuai dengan kriteria UI Green Metric Sustainable University Rankings 3. Memastikan dan melaksanakan kegiatan untuk program keberlanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings
6.	Dewi Janta	Wakil Ketua	1. Melaksanakan kegiatan untuk program keberlanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Menyusun laporan kegiatan pemenuhan pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings
7.	Tan Rani	Secretaris	1. Melaksanakan kegiatan untuk program keberlanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Koordinator pengumpulan data UI Green Metric Sustainable University Rankings 3. Mengisi data bidang penjaminan mutu

No.	Nama	Peran	Tugas dan Tanggungjawab
8.	Nadia Fakhurahmi Lantia	Anggota	Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings
9.	Windy Sufani	Anggota	Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings
10.	Hendro Gunawan	Anggota	Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings
11.	Ireneus Zaima Putra	Anggota	Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings
12.	Sugi Hapel Delfina	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Mengisi data UI Green Metric Sustainable University Rankings bidang Setting & Infrastruktur, Waste, Water dan Transportation
13.	Regina Roberly	Anggota	Mengisi data UI Green Metric Sustainable University Rankings bidang Setting & Infrastruktur, Waste, Water dan Transportation
14.	Bri Pqi Lestari	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Mengisi data UI Green Metric Sustainable University Rankings bidang Governance & Digitalization (University Budget)
15.	Dian Mahyogewrita	Anggota	Mengisi data UI Green Metric Sustainable University Rankings bidang Governance & Digitalization (University Budget)
16.	Iman Fahrul	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Mengisi data UI Green Metric Sustainable University Rankings bidang Education & Research
17.	Piki Adimarta	Anggota	Mengisi data UI Green Metric Sustainable University Rankings bidang Education & Research
18.	Dede Rusbandi Wibowo	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian

No.	Nama	Peran	Tugas dan Tanggungjawab
			kriteria UI Green Metric Sustainable University Rankings 2. Mengisi data UI Green Metric Sustainable University Rankings bidang Energy & Climate Change, Waste, Water
19.	Vita Wahyuni	Anggota	Mengisi data UI Green Metric Sustainable University Rankings bidang Energy & Climate Change, Waste, Water
20.	Siti Nur Chayati	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Mengisi data UI Green Metric Sustainable University Rankings bidang Education And Research Graduates with Green Jobs
21.	Meta Naura Cessacion	Anggota	Mengisi data UI Green Metric Sustainable University Rankings bidang Education And Research Graduates with Green Jobs
22.	Rahmat Purwanita	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Mengisi data UI Green Metric Sustainable University Rankings bidang Governance & Digitalisation (Sustainability website address, Compliance with the General Data Protection Regulation (GDPR) or Equivalent National Data Protection Regulation)
23.	Nero Satria Idris	Anggota	Mengisi data UI Green Metric Sustainable University Rankings bidang Governance & Digitalisation (Sustainability website address, Compliance with the General Data Protection Regulation (GDPR) or Equivalent National Data Protection Regulation)
24.	Kelvin Nugroho Putra	Anggota	Mengisi data UI Green Metric Sustainable University Rankings bidang Education & Research (sustainability proportion) with international accreditation)
25.	Una Dwi Wahyuni	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings 2. Mengisi data UI Green Metric Sustainable University Rankings bidang Governance & Digitalisation
26.	Dian Oktaviani Umari	Anggota	1. Melaksanakan kegiatan untuk program berkelanjutan dalam rangka pemenuhan sesuai penilaian kriteria UI Green Metric Sustainable University Rankings

No.	Nama	Peran	Tugas dan Tanggungjawab
1.	Mengajar dan UI Green Metric Sustainable University Ranking		
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(Signature)
Hendang Hendrawan
NIP 197706232012121003

Examples of university leader decree of establishment and structure (Politeknik Negeri Batam, Indonesia)

Description:

(Please describe availability of unit(s) or office(s) that coordinate sustainability on campus. The following is an example of the description. You can describe more related items if needed.)

The Center for Quality Assurance and Learning Development (CQALD) of Politeknik Negeri Batam serves as the coordinating unit overseeing the Green Campus Taskforce of Polibatam in support of the university's Sustainable Development Goals (SDGs) Key Performance Indicators (KPIs). In this capacity, CQALD plays a strategic role in aligning Green Campus initiatives with the institution's SDGs agenda by ensuring that sustainability principles are systematically integrated into academic, operational, and governance practices. Through its quality assurance and learning development functions, CQALD supports the Green Campus Taskforce in formulating policies, implementing sustainability-driven programs, conducting monitoring and evaluation, and measuring institutional



performance against relevant SDG indicators. This coordination strengthens Polibatam’s commitment to advancing sustainable campus development while contributing directly to the achievement of the university’s SDGs-related institutional performance targets.

Number of dedicated staff members assigned to the unit or office responsible for coordinating sustainability initiatives on campus: 31 people

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

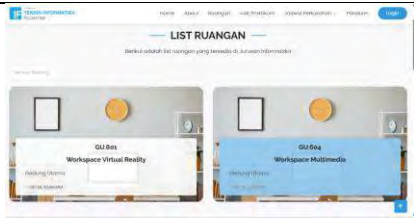
emplate for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[7] Governance and Digitalization

[7.12] Implementation of sustainability programs through the utilization of Information and Communication Technology (ICT) aligned with UI GreenMetric criteria (GD.6)

Section A — ICT for sustainability management: screenshots of sustainability dashboard/reporting system/KPI platform (showing real modules/menus).

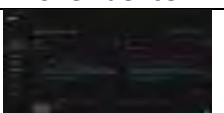
No	Initiative	Function	Brief Description	Screenshot or link of evidence
1	Sustainability Dashboard System	Monitoring & Evaluation	Web-based dashboard displaying UI GreenMetric KPIs with real-time and historical data	 Room Booking System
2	Online Sustainability Reporting Portal	Planning & Implementation	Centralized portal for faculties and units to submit sustainability data with automated validation and aggregation	 BAS (Building Automation System)
3	Energy & Carbon Monitoring System	Monitoring	Digital system tracking electricity consumption and estimated carbon emissions across campus facilities	 BAS for electricity consumption
4	Development of campus infrastructure master plan and resource	Planning	Use of digital data collection tools, Building Information Modelling (BIM), and Geographic	https://www.youtube.com/watch?v=eMB1mhoGj0s

No	Initiative	Function	Brief Description	Screenshot or link of evidence
	allocation strategy		Information System (GIS) to map building conditions, space utilization, and energy consumption	

Section B — Connectivity readiness: Wi-Fi coverage summary (map/list), Internet/network availability snapshot, and (if available) monitoring screenshots.

No	Initiative	Function	Brief Description	Screenshot or link of evidence
1	Campus-Wide Wi-Fi Infrastructure	Implementation Support	Full Wi-Fi coverage in academic and administrative buildings to support digital sustainability management	
2	Redundant Internet Connectivity	Continuity	Dual ISP configuration to maintain stable network access for reporting and monitoring systems	<u>Instruksi Kerja Infrastruktur Jaringan Komputer</u> <u>Instruksi Kerja Operasional Server</u> <u>Prosedur Layanan Hosting dan Sub Domain</u> 
3	Network Monitoring System	Monitoring	Centralized network monitoring dashboard ensuring uptime and service reliability	<u>Prosedur Pemeliharaan Perangkat TIK</u> Helpdesk.polibatam.ac.id

Section C — Infrastructure reliability and security: backup/continuity summary, access control/security policy excerpt, monitoring snapshot.

No	Initiative	Function	Brief Description	Screenshot or link of evidence
1	Role-Based Access Control System	Governance & Data Integrity	User access managed by role with authentication and activity logs	

2	Data Backup & Disaster Recovery System	Continuity	Daily backups and defined recovery procedures to ensure system availability	<u>Prosedur Pengelolaan Data</u>
3	Annual ICT System Review & Upgrade	Evaluation & Improvement	Annual evaluation and periodic system upgrades based on audit results and user feedback	<u>Prosedur Evaluasi</u> <u>Prosedur Pengawasan</u> <u>Prosedur Pengembangan dan Perbaikan Sistem Informasi</u>

Description:

Politeknik Negeri Batam integrates Information and Communication Technology (ICT) in every stage of planning, implementation, monitoring, and evaluation of its campus setting and infrastructure programs to ensure efficiency, transparency, and sustainability.

Planning:

Infrastructure development and maintenance are guided by digital data collection and analysis systems. Through campus information dashboards, the institution maps building conditions, space utilization, and energy consumption patterns to support evidence-based planning. ICT tools such as digital blueprints, Building Information Modelling (BIM), and geographic information systems (GIS) are used to design and forecast future infrastructure needs, ensuring resources are efficiently allocated.

Implementation:

During execution, ICT platforms streamline coordination among departments. The Facilities and ICT units use project management software to monitor timelines, procurement, and progress of construction or maintenance projects. Smart systems—such as automated lighting, temperature control, and digital attendance or room booking systems—are implemented to enhance campus functionality. The integration of high-speed internet, Wi-Fi 6 connectivity, and cloud-based applications supports academic and administrative operations across all buildings.

Monitoring:

Smart sensors and IoT-based devices continuously collect real-time data on electricity usage, water consumption, and facility occupancy. This information is displayed through online dashboards that help administrators detect irregularities, schedule preventive maintenance, and optimize energy efficiency. The campus security system is also supported by ICT through CCTV integration, digital access control, and centralized monitoring systems.

Evaluation:

Performance data gathered from ICT systems are periodically analyzed to assess the effectiveness of infrastructure programs. Reports generated from digital analytics tools provide insights into operational efficiency, cost savings, and user satisfaction. The evaluation outcomes are then used for continuous improvement and policy refinement to ensure long-term sustainability and digital transformation alignment. Through this ICT-driven approach, Politeknik Negeri Batam demonstrates its commitment to a smart, sustainable, and technology-enabled campus.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://peminjaman.polibatam.ac.id/list-ruangan>

<https://helpdesk.polibatam.ac.id/>

Template for Evidence(s) UI GreenMetric Questionnaire

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[7] Governance and Digitalization (GD)

[7.13] Policy on advanced digital technologies (AI/IoT, etc.) to support decision-making, efficiency, and service delivery (GD.7)

(To demonstrate maturity for GD7, the university should show that digitized services are not isolated pilots but are governed by institutional policy and implemented across core functions (student services, academic administration, HR, finance, asset/facility operations, where relevant). Integration and performance monitoring strengthen the evidence that technology enables efficiency and better decision-making)

Example:

No	Initiative	Policy Basis	Implementation Scope	Evidence
1	University Policy on AI & Digital Transformation	Rector Regulation on AI, Data Governance, and Digital Services	Applies to all faculties and administrative units	Screenshot/evidence

2	Integrated ERP System (Academic, HR, Finance)	Digital Transformation Roadmap 2023–2027	Institution-wide integration of academic records, HR, payroll, procurement, and budgeting		Roadmap Digital Transformasi Polibatam 2025-2028
3	AI-Based Decision Support Dashboard	Institutional Data Governance Policy	Predictive analytics for enrollment trends, retention monitoring, and resource planning	Screenshot/evidence	
4	IoT-Based Smart Facility Monitoring	Smart Campus Initiative Policy	IoT sensors for energy monitoring, space utilization, and facility efficiency	 <i>BAS (Building Automation System)</i>  <i>BAS for electricity consumption</i>	

5	E-Signature & Paperless Workflow System	Paperless Administration Guideline	Digital document approval across rectorate, faculties, and units	<i>Screenshot/evidence</i>
6	AI Chatbot for Student & Staff Services	Digital Service Innovation Policy	AI chatbot integrated with student portal for routine inquiries	<i>Screenshot/evidence</i>
7	Single Sign-On (SSO) Integration	ICT Security & Access Control Policy	Unified authentication across all core administrative platforms	 <i>/evidence</i>
8	Continuous Evaluation & Upgrade Mechanism	Annual ICT Performance Review Framework	KPI monitoring, SLA tracking, periodic AI model retraining, and system upgrades	<i>Screenshot/evidence</i>

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

[Sipa.polibatam.ac.id](https://sipa.polibatam.ac.id)

<https://spmi.polibatam.ac.id/>

<https://sakti.kemenkeu.go.id/LL-Zg7BviiuXviBn9TvfIA>

[Silakin.polibatam.ac.id](https://silakin.polibatam.ac.id)



polibatam
University

<https://sk.polibatam.ac.id/>

<https://talentcerdas.id/>

<https://www.myinternship.id/>



Template for Evidence(s) UI GreenMetric Questionnaire

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[7] Governance and Digitalization (GD)

[7.14] Compliance with the General Data Protection Regulation (GDPR) or Equivalent National Data Protection Regulations (GD.8)

Description:

Politeknik Negeri Batam (Polibatam) demonstrates full commitment to data protection and privacy compliance through a comprehensive institution-wide data governance framework that is systematically implemented, periodically reviewed, continuously improved, and transparently communicated to all stakeholders.

At the governance and policy level, Polibatam has established institutional regulations and policies on data governance, privacy protection, and digital services that align with applicable national laws and regulations on personal data protection and electronic information systems. These policies are formally adopted at the institutional level, apply across all academic and administrative units as well as digital platforms, and define clear principles for lawful, fair, and transparent processing of personal data, including purpose limitation, data minimization, data retention, and information security. These policies are made accessible through official institutional channels to ensure transparency for students, staff, partners, and the public.

To ensure accountability and oversight, Polibatam assigns designated responsible units and officials to oversee data governance, compliance, and digital service management across the institution. These functions include monitoring regulatory compliance, advising institutional units, managing risks related to data protection and digital systems, and serving as the primary coordination point for data governance matters. Responsibilities related to data governance and privacy protection are embedded within the institutional governance structure, with clear reporting lines and defined roles across academic and administrative units.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://intranet.polibatam.ac.id/SISTEM%20PENJAMINAN%20%20MUTU%20INTERNAL/KEBIJAKAN%20INTERNAL/TATA%20KELOLA/01%20PERDIR/202306%20Perdir%20tentang%20Sistem%20Penjaminan%20Mutu%20Internal%20Polibatam.pdf>

<https://drive.google.com/file/d/17F046UYnZfbGvoWxx4gWtXfdVNXLvQXc/view?usp=sharing>

<https://intranet.polibatam.ac.id/SISTEM%20PENJAMINAN%20%20MUTU%20INTERNAL/KEBIJAKAN%20INTERNAL/TATA%20KELOLA/01%20PERDIR/202616%20Perdir%20tentang%20Pelindungan%20Data%20Pribadi%20di%20Lingkungan%20Polibatam.pdf>

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[7] Governance and Digitalization (GD)

[7.17] Ratio of Female Leaders to Total Institutional Leaders (GD.9)

Leadership Level	Total Leaders & Deputies	Female Leaders & Deputies
University Level	4	1
Faculty / School Level	12	6
Study Program Level	29	11
University-Level Units	13	8
Total	58	26

Ratio of Female Leaders = $26/58 \times 100 = 45\%$

No	Nama	L/P	Jabatan Struktural
1	Ir. Bambang Hendrawan, S.T., M.S.M., IPM	L	Direktur
2	Arniati, S.E., M.Si., Ph.D., Ak., CA., CPA	P	Wakil Direktur Bidang Perencanaan, Keuangan dan Umum
3	Dr. Muhammad Zaenuddin, S.Si., M.Sc.	L	Wakil Direktur Bidang Kemahasiswaan, Kerja Sama dan Alumni
4	Ir. Ahmad Riyad Firdaus, S.Si., M.T., Ph.D	L	Wakil Direktur Bidang Akademik
5	Dr. Iman Fahruzi, ST, MT	L	Kepala Pusat Penelitian dan Pengabdian Kepada Masyarakat
6	Irsutami, SE, M.Acc, Ak	L	Ketua Jurusan Manajemen Bisnis
7	Dr. Ari Wibowo, S.T., M.T	L	Kepala Satuan Hilirisasi Inovasi dan Layanan Usaha
8	Ir. Metta Santiputri, S.T., M.Sc, Ph.D	P	Koordinator Program Studi S2 Terapan Teknik Komputer
9	Sinarti, SE, M.Sc. Akt., CA	P	Kepala Satuan Pengawas Internal
10	Evaliata Br. Sembiring, S.Kom., M.Cs	P	Kepala Pusat Penjaminan Mutu dan Pengembangan Pembelajaran

No	Nama	L/P	Jabatan Struktural
11	Mir'atul Khusna Mufida, S.ST, M.Sc., Ph.D	P	Sekretaris Jurusan 2 Teknik Informatika
12	Dessy Oktani, ST, M.T.	P	Sekretaris Jurusan 2 Teknik Elektro
13	Happy Yugo Prasetya, S.Sn., M.Sn	L	Koordinator Program Studi Teknik Rekayasa Multimedia
14	Yeni Rokhayati, S.Si., M.Sc	P	Koordinator Program Studi Teknik Informatika
15	Supardianto, S.ST.M.Eng.	L	Koordinator Program Studi Teknologi Rekayasa Perangkat Lunak
16	Ir. Ridwan, S.ST., M.Tr.T	L	Sekretaris 1 Jurusan Teknik Elekktro
17	Ir. Liony Lumombo, S.ST., M.Ides., IPM	P	Koordinator Program Studi Teknologi Permainan
18	Ria Anggraini, S.ST., M.B.A	P	Sekretaris 2 Jurusan Manajemen dan Bisnis
19	Ir., Ari Wibowo, S.T., M.Eng	L	Ketua Jurusan Teknik Mesin
20	Ir.Naufal Abdurrahman Prasetyo, S.T., M.T., IPM	L	Koordinator Program Studi Teknologi Rekayasa Konstruksi Perkapalan
21	Ir. Benny Haddli Irawan, S.Tr., M.T.	L	Koordinator Program Studi Teknik Mesin
22	Dian Mulyaningtyas Sudarso, S.Si., M.T.	P	Koordinator Program Studi Logistik dan Perdagangan Internasional
23	Ir. Oktavianto Gustin, S.T., M.T	L	Koordinator Program Studi Program Profesi Insinyur
24	Nurul Laili Arifin, S.ST, M.T	P	Koordinator Program Studi Teknologi Rekayasa Pengelasan dan Fabrikasi
25	Ir. Ahmad Hamim Thohari, S.S.T., M.T.	L	Ketua Jurusan Teknik Informatika
26	Muhammad Arifin, S.Si., M.Si.	L	Koordinator Program Studi Teknik Elektronika Manufaktur
27	Ir. Lalu Giat Juangsa Putra, S.T., M.T.	L	Koordinator Program Studi Teknik Perawatan Pesawat Udara
28	Afriyanti Hasanah, S.S.T., M.Sc	P	Koordinator Program Studi Akuntansi
29	Dr. Ir., Indra Hardian Mulyadi, S.T., M.Eng.	L	Ketua Jurusan Teknik Elektro
30	Nanta Fakhri Prebianto, S.ST., M.Sc	L	Koordinator Program Studi Teknik Rekayasa Elektronika

No	Nama	L/P	Jabatan Struktural
31	Roza Puspita, S.Pd., M.Hum	P	Sekretaris 1 Jurusan Teknik Mesin
32	Maidel Fani, S.Pd., M.Kom.	P	Koordinator Program Studi Rekayasa Keamanan Siber
33	Maryani Septiana, S.Sos., M.Hum	P	Kepala UPA Perpustakaan
34	Ir., Irwanto Zarma Putra, S.Pd. M.Eng	L	Koordinator Program Studi Teknologi Rekayasa Pembangkit Energi
35	Andi Erna Mulyana, S.T., M.Sc	P	Koordinator Program Studi Administrasi Bisnis Terapan
36	Siti Noor Chayati, S.T., M.Sc	P	Kepala UPA Pusat Karier dan Pengembangan Kewirausahaan
37	Ir. Farouki Dinda Rassarandi, S.T., M.Eng.	L	Koordinator Program Studi Teknologi Geomatika
38	Muhammad Ikhlah, S.E., M.Ak., Ak.	L	Koordinator Program Studi Akuntansi Manajerial
39	Sugeng Riadi, S.E., M.Ak., Ak	L	Sekretaris 1 Jurusan Manajemen dan Bisnis
40	Fandy Bestario Harlan, S.T., M.MT.	L	Koordinator Program Studi D2 Distribusi Barang
41	Ir., Adhe Arysawan, S.Pd., M.Si.	L	Koordinator Program Studi Teknologi Rekayasa Metalurgi
42	Nurul Ulfah, S.Si., M.T.	P	Sekretaris 2 Jurusan Teknik Mesin
43	Diono, S.Tr. T., M.Sc	L	Koordinator Program Studi Teknik Mekatronika
44	Ninda Hardina Batubara, M.Si	P	Koordinator Laboratorium Jurusan Teknik Mesin
45	Muhammad Jaka Wimbang Wicaksono, S.T., M.T	L	Koordinator Program Studi Teknik Instrumentasi
46	Anugerah Wibisana, S.Tr.T., M.Tr.T	L	Koordinator Program Studi Teknik Robotika
47	Festy Winda Sari, S.Tr. Kom., M.Sc	P	Sekretaris 1 Jurusan Teknik Informatika
48	Riki, S.Tr., M.F.A	L	Koordinator Program Studi Animasi
49	Lina Duwi Wahyuni	P	Ketua Pokja Organisasi dan SDM
50	Sri Puji Lestari, S.P	P	Ketua Pokja Perencanaan

No	Nama	L/P	Jabatan Struktural
51	Ir. Mhd. Fattahilah Rangkuty, S.Tr. Kom., M.Kom	L	Kepala UPA Teknologi Informasi dan Komunikasi
52	Dian Oktriyanti Umars,SP	P	Ketua Pokja Kemahasiswaan
53	Dewi Aprilianingrum, S.Tr.A.B.	P	Ketua Pokja Keuangan
54	Ridwan Purwanto, S.Sos., M.I.Kom	L	Ketua Pokja Humas dan Kerjasama
55	Andri Albertha Pratama, S.Tr. Kom, M.Sn	L	Koordinator Laboratorium Jurusan Teknik Informatika
56	Sugi Hapni Delima, SE, M.Sc.	P	Kepala Sub Bagian Umum
57	Chairil Azmi, S.Si., M.MT	L	Kepala Sub Bagian Akademik
58	Muhammad Zainuddin, S.Tr. AB.	L	Koordinator Laboratorium Jurusan Manajemen dan Bisnis
59	Ir. Dede Rusbandi Wibowo, S.T	L	Kepala UPA Perbaikan dan Perawatan
60	Hidayatussa'adah, S.Si	P	Koordinator Laboratorium Jurusan Teknik Elektro

Evidence :

<https://drive.google.com/drive/folders/1LAUecf9UYRpPHOI76-0bOrs0tQKnxgag?usp=sharing>

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : polibatam.ac.id

[7] Governance and Digitalization (GD)

[7.18] Anti-Corruption and Integrity System of the University (GD.10)

The anti-corruption and integrity system in Polibatam has been implemented, evaluated, and is currently revised. Polibatam was awarded the Integrity Zone Corruption-Free Area (ZI-WBK) predicate in 2021. Polibatam has consistently conducted anti-gratification and anti-corruption campaigns to promote integrity, raise awareness, and prevent corrupt practices within the institution. The policies established as part of its commitment to strengthening integrity and preventing corruption include:

1. Regulation of the Director of Politeknik Negeri Batam on the Integrity Zone Development Work Plan towards WBK (Corruption-Free Area) and WBBM (Clean and Serving Bureaucracy Area)

<https://drive.google.com/file/d/1ZY4GH-HWVApRIRYTiet-6rEOchwX0z4B/view?usp=sharing>



2. Regulation of the Director of Politeknik Negeri Batam on the Guidelines for Gratification Control within Politeknik Negeri Batam

<https://drive.google.com/file/d/1lg4Mk8pw2URj1UOwka1L6lcvLOzdewy/view?usp=sharing>



SALINAN

PERATURAN DIREKTUR POLITEKNIK NEGERI BATAM
NOMOR 006 TAHUN 2021
TENTANG
PEDOMAN PENGEENDALIAN GRATIFIKASI
DI LINGKUNGAN POLITEKNIK NEGERI BATAM

3. Regulation of the Director of Politeknik Negeri Batam on the Guidelines for the Implementation and Evaluation of FCP within Politeknik Negeri Batam

<https://drive.google.com/file/d/1c7398rYQrRTSsZ-Ku8SE-wa7bfb8AjYi/view?usp=sharing>



SALINAN

PERATURAN DIREKTUR POLITEKNIK NEGERI BATAM
NOMOR 002 TAHUN 2022
TENTANG
PEDOMAN IMPLEMENTASI DAN EVALUASI FRAUD CONTROL PLAN (FCP)
DI LINGKUNGAN POLITEKNIK NEGERI BATAM

4. Regulation of the Director of Politeknik Negeri Batam on the Internal Audit Charter of Politeknik Negeri Batam Year 2022

https://drive.google.com/file/d/1Udr8ic7TJ4PYxyhQCWwF1r_F8-pdBsPK/view?usp=sharing



SALINAN

PERATURAN DIREKTUR POLITEKNIK NEGERI BATAM
NOMOR 006 TAHUN 2022
TENTANG
PIAGAM PENGAWASAN INTERNAL DI LINGKUNGAN POLITEKNIK NEGERI
BATAM TAHUN 2022

5. Report on the Gratification Control Public Campaign for Quarter I of 2026

https://drive.google.com/file/d/17BnzwshNfXNQAKL2daWWFciZ7EaeErf2/view?usp=drive_link



The implementation of anti-corruption practices at Polibatam is periodically evaluated through surveys of service recipients, with the results documented in an official survey report.

<https://drive.google.com/file/d/1NuYUMCJ4kMytg5HOL3r8DbHjn3vpU0ZL/view?usp=sharing>



Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : polibatam.ac.id

[7] Data and Governance (GD)

[7.19] Whistle Blowing and Complaint System of the University (GD.11)

Polibatam has been implemented Whistle blowing and complaint system, evaluated, and is currently revised.

1. Request Letter for Access to the Whistleblower System Portal of Kemdiktisaintek

<https://drive.google.com/file/d/1QfFvGFx-ENQL4IA2nZKUrPb-Fm3ThfNs/view?usp=sharing>

KEMENTERIAN PENDIDIKAN TINGGI, SAINS, DAN TEKNOLOGI POLITEKNIK NEGERI BATAM	
Jalan Ahmad Yani, Batam Centre, Kecamatan Batam Kota, Batam 29461 Telepon +62 778 469856 - 469860, Faksimile +62 778 463620 Laman: www.polibatam.ac.id, Surel: info@polibatam.ac.id	
Nomor:	IT1/PL/29/KP/14.00/2026
Hal:	Permohonan Akses Laman Kemdiktisaintek Whistleblower System
19 Februari 2020	
Yth: Yth. Inspektoral Bidang Investigasi Inspektoral Jenderal Kemdiktisaintek di Jakarta	
Dengan hormat, Dalam rangka pelaksanaan zona integritas tahun 2026 di lingkungan Politeknik Negeri Batam Kementerian Pendidikan Tinggi, Sains, dan Teknologi, dengan ini kami Politeknik Negeri Batam mengajukan permohonan untuk dapat diberikan akses untuk memasuki dan melihat laporan Whistle Blowing System (WBS) di lingkungan Politeknik Negeri Batam dikarenakan portal layanan zona integritas kami sudah terhubung langsung pada Kemdiktisaintek Whistleblower System di laman https://aduanlitim.kemdiktisaintek.go.id/. Laporan tersebut akan kami gunakan sebagai bahan evaluasi dan perbaikan dalam pengelolaan penanganan pengaduan pelanggaran baik dari pihak internal maupun eksternal dalam rangka menjamin penerapan WBS berjalan secara efektif. Untuk keperluan komunikasi dan koordinasi, dapat menghubungi Ibu Sinarti selaku Kepala Satuan Pengawas Internal melalui surel spi@polibatam.ac.id atau di nomor gawai 0812-7040-318. Demikian permohonan ini disampaikan. Atas perhatian dan bantuan yang diberikan diucapkan terima kasih.	
 Bambang Hendrawan NIP. 197706252012121003	

2. Response Letter to the Request for Access to the Kemdiktisaintek Whistleblower System Portal from the Inspectorate General

https://drive.google.com/file/d/1y7iiCqnfOtHH-u_BKfOAcWBUTH6Qu6e-/view?usp=sharing



KEMENTERIAN PENDIDIKAN TINGGI,
SAINS, DAN TEKNOLOGI
INSPEKTORAT JENDERAL
Jalan Jenderal Sudirman, Senayan, Jakarta 10270
Telepon (021) 57946104. Pusat Panggulan ULT DIKTISAINTEK 126
Laman: www.kemdiknas.go.id

Nomor: 260/DST/E.1/WS.01.05/2026
Hal: Permohonan Akses Whistleblowing System (WBS)

5 Maret 2026

Yth. Direktur Politeknik Negeri Batam

Menindaklanjuti surat Saudara Nomor 411/PL29/WS.01.05/2026 tanggal 18 Februari 2026 hal Permohonan Akses Laman Kemdiktisaintek Whistleblower System (WBS), dapat kami sampaikan bahwa berdasarkan rekapitulasi pengaduan yang masuk ke Inspektorat Jenderal Kemdiktisaintek melalui kanal WBS Kemdiktisaintek periode Januari s.d. Desember 2025, jumlah pengaduan terkait Politeknik Negeri Batam adalah 0 (nol) pengaduan.

Atas perhatian dan kerja sama Saudara, kami ucapkan terima kasih

Sekretaris Inspektorat Jenderal,



Yudi Septono
NIP. 197509102002121003

Tembusan:
1. Ptt Inspektur Jenderal,
2. Inspektur Investigasi

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[7] Governance and Digitalization (GD)

[7.20] LMS-Enabled Digital Literacy Program (GD.12)



Layanan Unggulan



Program Sharing Session

Program kegiatan rutin perpustakaan polibatam untuk mahasiswa yang bertujuan untuk menambah wawasan literasi informasi



Digital Resource

Layanan digital koleksi untuk memudahkan anggota perpustakaan dalam mencari sumber informasi yang relevan dan lengkap



Pengajuan Koleksi

Fitur untuk menyampaikan usulan koleksi minat dari buku, jurnal, majalah, koran



Perpustakaan dalam Statistik

Semua informasi perpustakaan yang dikemas dengan statistik untuk memudahkan akses dan ketertarikan informasi

[More Service](#)



Beranda > Koleksi > e-Resource

Koleksi e-Resource

Koleksi digital yang sudah kita sediakan termasuk e-jurnal dan e-majalah

Buku Digital

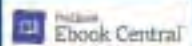
e-Jurnal

Majalah Digital

Database

Tools Referensi

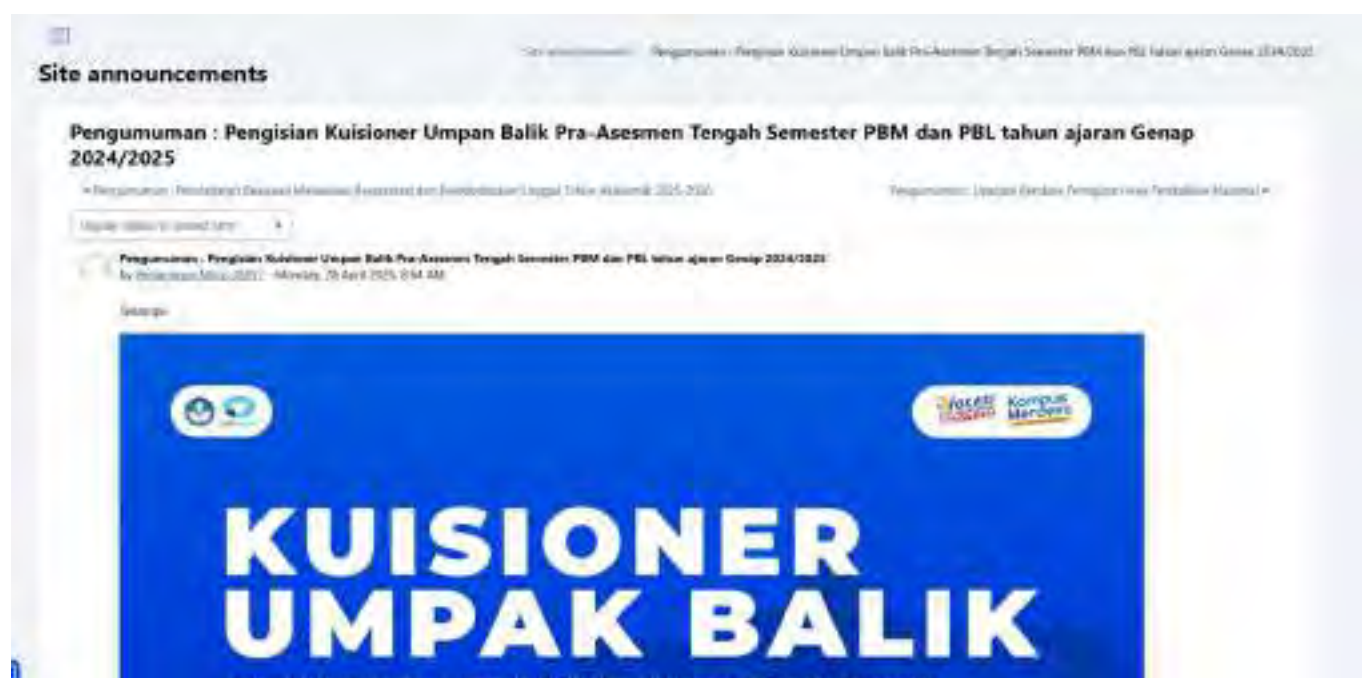







*Daftar Judul e-Book bisa diakses disini

*Akses menggunakan jaringan internet polibatam



Example of Digital Literacy programs at Politeknik Negeri Batam: remote access to subscribed digital libraries around the world; and information literacy introduction for new students

Description:

(Please describe the implementation of Digital Literacy programs at the University)

Digital literacy at Universitas Indonesia is implemented through coordinated programs led by different units. Programs conducted at Universitas Indonesia related to digital literacy:

Access to Digital Library Around The World

Polibatam operates digital literacy programs that provide remote access to subscribed digital libraries worldwide. Polibatam gives students and staff secure off-campus access to journals, e-books, datasets, and academic databases.

All services above are available in more detail on the official Polibatam Library website:

<https://lib.polibatam.ac.id>

We have also provided access to various service links through our Linktree page:

<https://linktr.ee/polibatamlibrary>

Polibatam Library Services

Digital and Physical Book Borrowing Services

Library users can now borrow books in both digital and physical formats, which are accessible online through our platform.

Access to Electronic Journals and Academic Databases

We provide access to a wide range of electronic journals and academic databases to support research activities and academic writing.



Information Literacy Guidance Center

Guidance sessions are available to enhance information literacy skills for students and academic staff.

Writing and Reference Consultation Services

Our team is ready to assist library users in academic writing processes, including proper citation and referencing.

Reading and Discussion Room Facilities

Reading rooms and discussion spaces are available to support group study activities and research.

4) Structured cyber capacity building

According to the National Cyber and Crypto Agency of Indonesia (BSSN), Cyber Security Awareness in higher education institutions, including polytechnics, is not merely a technical issue but an integral part of national resilience.

Below are the key points regarding cyber security awareness in higher education institutions based on BSSN standards and directives:

1. Cyber Security Culture

BSSN emphasizes that no matter how advanced technology is, it will fail if users—as the weakest link—do not have adequate cybersecurity awareness. In polytechnics, the focus includes:

Digital Ethics: Students and staff must understand their social responsibility in using cyberspace responsibly and ethically.

Cyber Literacy: The ability to distinguish valid information from phishing attempts, malicious links, or digital fraud.

Vulnerability Management: Understanding that every device connected to the campus network (including IoT devices and personal laptops) can become a potential entry point for cyber attackers.

2. Measurement Instrument: KAMI Index

BSSN uses the KAMI Index (Information Security Index) to assess the level of readiness and awareness of public institutions, including higher education institutions. The indicators assessed include:

Governance: The existence of formal written policies regarding the use of information technology within the institution.

Risk Management: The extent to which the institution identifies digital assets and potential threats.

Framework: Standard operating procedures for handling sensitive data, such as research data and student records.

3. Synergy and Collaboration (CSIRT)

BSSN encourages the establishment of a CSIRT (Computer Security Incident Response Team) in every sector, including education.

Role of Students: Students are expected to become “digital literacy agents” who help promote safe cyber practices to the wider community.

Technical Training: BSSN actively collaborates with polytechnics (such as the State Polytechnic of Cyber and Crypto and other polytechnics) to enhance human resource capacity through training in cryptography, incident management, and bug bounty programs.

4. Practical Cyber Security Measures on Campus

Based on BSSN awareness programs, several preventive actions must be implemented by the academic community:

Data Encryption: Using secure protocols (such as SHA-256 or AES-256) to protect data integrity and confidentiality.

Regular Updates: Ensuring that all operating systems and software in computer laboratories and campus servers are regularly updated to close security vulnerabilities.



Identity Verification: Implementing Multi-Factor Authentication (MFA) for academic portal and institutional accounts.

5. Incident Management

BSSN emphasizes the importance of having a clear Incident Reporting Procedure. In the event of a cyberattack (such as ransomware on campus servers), IT staff must know the proper reporting and escalation channels, including coordination with BSSN's Directorate of Cyber Security Operations.

Note

Given the strategic role of polytechnics in producing technically skilled human resources, BSSN views polytechnics as a key pillar in building an independent national cyber ecosystem through the development and mastery of domestically driven cybersecurity technologies.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

Template for Evidence(s) UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
Country : Indonesia
Web Address : <https://www.polibatam.ac.id/>

[7] Governance and Digitalization (GD)

[7.21] Written Code of Ethics that applies to university leaders, academic staff, administrative staff, and students (GD.13)



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
POLITEKNIK NEGERI-Batam
Pekalongan, Batam Centre, Batam 29461
Telp. +62778 454856 - 459860 Fax. +62778 - 461120
website : <http://www.polibatam.ac.id> info@polibatam.ac.id



PERATURAN DIREKTUR POLITEKNIK NEGERI BATAM
NO 01 TAHUN 2013
TENTANG PERUBAHAN ATAS PERATURAN DIREKTUR POLITEKNIK
NEGERI BATAM NO 01 TAHUN 2011 TENTANG KODE ETIK
POLITEKNIK NEGERI BATAM

DENGAN RAHMAT TUHAN YANG MAHA ESA
POLITEKNIK NEGERI BATAM

Menimbang :

- a. bahwa dalam rangka memberikan panduan dalam berperilaku, bersikap dan bertindak serta untuk mewujudkan suasana kerja pegawai di lingkungan Politeknik Negeri Batam;
- b. bahwa untuk mewujudkan suasana pelayanan publik yang lebih profesional di lingkungan kampus Politeknik Negeri Batam;
- c. bahwa untuk mewujudkan budaya organisasi yang baik di lingkungan Politeknik Negeri Batam;
- d. bahwa dalam rangka melaksanakan ketentuan dari Surat tentang Belanja Kerja Dibenar;
- e. bahwa berdasarkan pertimbangan sebagaimana dimaksud pada butir a, b, c dan d perlu menetapkan Peraturan Direktur Politeknik Negeri Batam tentang Perubahan Atas Peraturan Direktur Politeknik Negeri Batam No 01 Tahun 2011 Tentang Kode Etik Politeknik Negeri Batam.

Code of Ethics rule at Politeknik Negeri Batam through Director Decree No. 01 2013



Description:

(Please describe the written Code of Ethics that applies to university leaders, academic staff, administrative staff, and students)

Polibatam has established a comprehensive written Code of Ethics that applies to institutional leaders, academic staff, administrative staff, and students. The Code of Ethics is formally stipulated under Peraturan Direktur Politeknik Negeri Batam No. 01 Tahun 2013 tentang Kode Etik Politeknik Negeri Batam.

This Code serves as a guideline to ensure integrity, professionalism, accountability, and mutual respect within the academic community.

For institutional leaders, the Code emphasizes responsible governance, transparency in decision-making, avoidance of conflicts of interest, and commitment to institutional values and good governance principles.

For academic staff, the Code regulates academic integrity, professionalism in teaching and research, respect for intellectual property rights, fairness in assessment, non-discrimination, and adherence to ethical research standards.

For administrative staff, the Code outlines standards of professionalism, accountability, service excellence, confidentiality of institutional data, and compliance with institutional policies and regulations.

For students, the Code promotes academic honesty, respect for diversity, responsible conduct on campus, adherence to academic regulations, and prohibition of misconduct such as plagiarism, cheating, harassment, and discrimination.

The regulation also provides mechanisms for reporting violations and implementing disciplinary actions in a fair and transparent manner to maintain ethical standards across the institution.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://intranet.polibatam.ac.id/SISTEM%20PENJAMINAN%20%20MUTU%20INTERNAL/PROSES%20BISNIS/PB%2019%20-%20Pengelolaan%20Administrasi%20Personalia/IN/IN.19.1.3-V4%20Instruksi%20Kerja%20Kode%20etik%20Politeknik%20Negeri%20Batam.pdf>



CONCLUSION

5.1 Conclusion

The preparation of the Politeknik Negeri Batam Green Campus Report forms part of the institution's commitment to implementing sustainable development principles and meeting the indicators of the UI GreenMetric World University Rankings. Based on the evaluation of all assessment categories, Politeknik Negeri Batam has demonstrated various positive achievements, including the development of green infrastructure, the implementation of smart building technology, the utilization of solar energy, waste management, water conservation, service digitalization, and various programs that support the achievement of the Sustainable Development Goals (SDGs).

Nevertheless, the evaluation also indicates that several indicators still require further strengthening in terms of policy, governance, infrastructure, and monitoring systems. Although several indicators have met the minimum UI GreenMetric requirements, there remains considerable room for improvement so that the institution's efforts are not merely oriented toward fulfilling supporting-document requirements, but also reflect the tangible implementation of sustainability across the campus.

Therefore, the development of the Green Campus in the next period is expected to focus not only on improving the institution's ranking score, but also on embedding sustainability in the organizational culture, promoting evidence-based management, and strengthening sustainable campus governance integrated with the Three Pillars of Higher Education.

5.2 Recommendations

Based on the evaluation of the preparation of the 2026 Green Campus Report, the following strategic recommendations may be prioritized for future development.

1. Strengthening Digital Governance (Digital Governance)

Digital transformation policies need to be strengthened through the finalization of a Director's Regulation on the use of Artificial Intelligence (AI) and other digital technologies in academic and administrative processes. In addition, internal applications such as SIMP3M, SIAP PBL, and the graduation registration system (clearance and green job tracking) should continue to be developed to support the digitalization of business processes while generating data that can be used for SDG and Green Campus reporting.

Personal data protection should also be strengthened by providing a privacy notice on all applications and websites that collect data from the public, including the new student admissions system (PMB), the PPKT reporting system, the whistleblowing system, and other applications that process personal data. This measure is important to ensure compliance with the Personal Data Protection Law (PDP Law) and good digital governance practices.

2. Developing Sustainable Transportation Policies

The ratio of parking area to total campus area remains one of the challenges in improving Polibatam's UI GreenMetric score. Therefore, policies are needed to gradually encourage members of the academic community to shift toward more environmentally friendly modes of transportation. Policy options that may be considered include encouraging the use of Trans Batam, particularly among morning-class students; restricting private vehicle use for certain student groups; introducing parking fees or parking quota systems; and/or gradually reducing private vehicle parking areas and converting them into green open spaces or pedestrian facilities. These policies are expected to reduce carbon emissions while improving the quality of the campus environment.





3. Strengthening Inclusive Campus Infrastructure

Facilities for persons with disabilities should continue to be improved to ensure that all buildings meet the principles of universal accessibility. One immediate priority is the construction of a ramp at the Teaching Factory Building, which currently does not fully support the mobility of persons with disabilities. Going forward, all new construction and building renovations should follow universal design principles so that every facility is equally accessible to all campus users.

4. Optimizing Green Areas as a Living Laboratory

Politeknik Negeri Batam's green areas are currently used as conservation zones. However, the institution still needs to formally designate green areas that can be recognized as research, learning, and community service spaces in accordance with UI GreenMetric indicators. Recommended measures include issuing a decree designating green areas for activities under the Three Pillars of Higher Education; developing standard operating procedures (SOPs) for the use of green areas; developing the Living Laboratory concept and integrating it into research and community service activities; and expanding supporting facilities through the optimization of the composting facility, educational gardens, biodiversity areas, and open environmental laboratories. These measures will strengthen the integration of Green Campus initiatives with academic activities.

5. Increasing Campus Vegetation Cover

Given the campus's limited horizontal land area, efforts to increase vegetation cover should adopt innovative approaches, including the development of vertical gardens, green roofs, hanging plants, green building facades, and the optimization of available open spaces. These strategies will not only improve the UI GreenMetric score but also contribute to reducing ambient temperatures and improving campus air quality.

6. Strengthening Energy Efficiency

Energy management should continue to be improved through procurement policies that prioritize energy-efficient equipment, such as air-conditioning units using environmentally friendly refrigerants and electronic devices certified under Energy Star or equivalent energy-efficiency standards. In addition, the existing Building Automation System (BAS) should be further optimized so that the monitoring and control of lighting and air-conditioning use can operate automatically and consistently across all campus buildings.

7. Diversifying Renewable Energy Sources

Polibatam's renewable energy supply is currently dominated by solar panels. Going forward, the institution may consider diversifying its renewable energy sources, for example by installing small-scale wind turbines where conditions permit and expanding solar panel capacity on buildings that do not yet have such installations. In addition, a regular energy production monitoring and reporting system is needed so that the generated data can be used to evaluate the effectiveness of renewable energy investments and inform future development decisions.

8. Strengthening Water and Wastewater Management

To improve sustainable water governance, the institution should develop SOPs for wastewater management and recycled water use, along with mechanisms for regularly monitoring water quality and quantity. This is particularly relevant in light of the wastewater management collaboration with BP Batam. Should Politeknik Negeri Batam continue to maintain an independent water treatment system, institutional commitment will be required for its operation, maintenance, monitoring, and periodic evaluation to ensure that the facility continues to meet sustainability standards and supports compliance with UI GreenMetric indicators.



9. Strengthening Green Campus Governance

Going forward, Green Campus implementation should have a clearer strategic direction, serving not only to improve the UI GreenMetric ranking but also as an instrument for institutional sustainability management. To support this objective, Green Campus-oriented programs should be developed so that all Green Campus programs become part of a cycle of planning, implementation, monitoring, evaluation, and continuous improvement.

Overall, the recommendations above are expected to strengthen Politeknik Negeri Batam's position as a vocational higher education institution that not only excels in the UI GreenMetric ranking but also serves as a model for sustainable campus implementation by continuously integrating environmental, social, governance, digitalization, and the Three Pillars of Higher Education.





Jl. Ahmad Yani, Tlk. Tering, Kec. Batam Kota,
Kota Batam, Kepulauan Riau 29461

