SUSTAINBILITY REPORT

2025

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 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):

- https://drive.google.com/drive/folders/1ZeuuP_fR7q-lwSKjDPuwqOchsIJpphcZ?usp=sharing

Template for Evidence(s)
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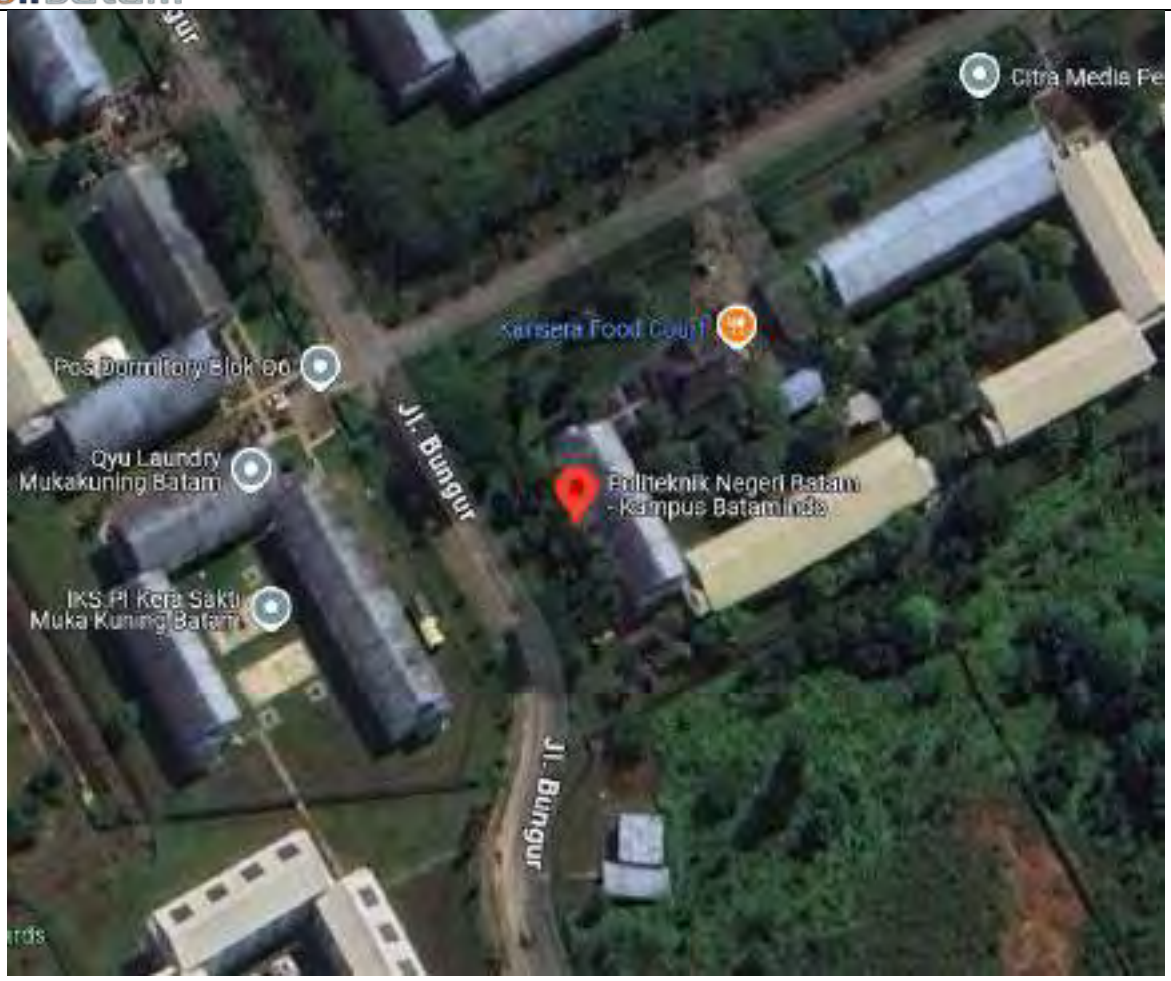
[1] Setting and Infrastructure (SI)

[1.4] Campus Setting

Main Campus Polibatam is in the City Center of Batam with plus codes 1.1188658325647252, 104.04849035725987.



Secondary campus Polibatam located in Batamindo Industrial Park

323J+FX 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):

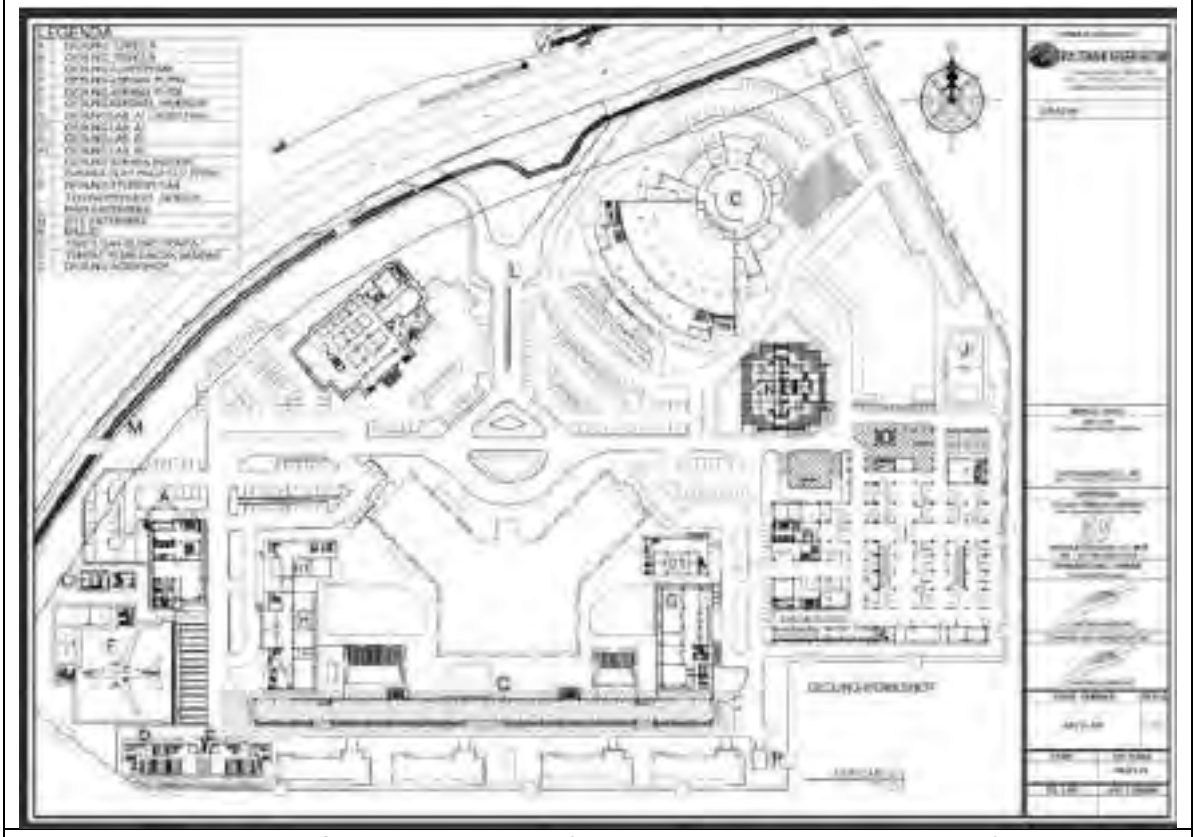
- https://drive.google.com/drive/folders/1O-2Bzyu1LIBJuT5K4Lxp8TWTPy9GbhQ0?usp=sharing

Template for Evidence(s)
UI GreenMetric Questionnaire

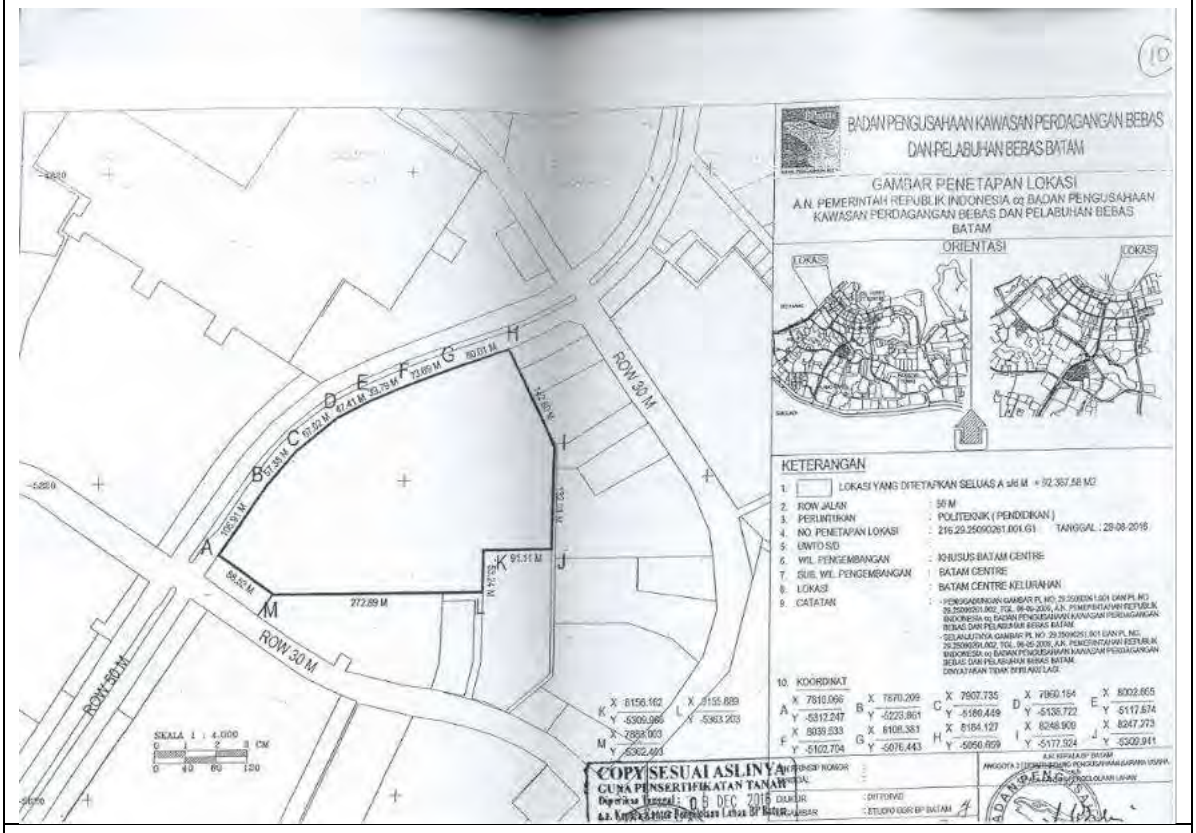
University : Politeknik Negeri Batam
Country : Indonesi
Web Address : www.polibatam.ac.id

[1] Setting and Infrastructure (SI)

[1.5] Total Campus Area (meter^2)



Example of Total Campus Area (Politeknik Negeri Batam, Indonesia)



Example of Total Campus Area (Politeknik Negeri Batam, Indonesia)

Total distance/circumference (Politeknik Negeri Batam, Indonesia)

Description:
The total area of the main campus is 92,367.58 m², established based on the site designation map created in 2016, encompassing various educational facilities and open spaces. This area is designed to support academic and social activities, providing sufficient space for infrastructure development and an optimal learning environment. With this size, the campus can accommodate student growth and diverse activities.

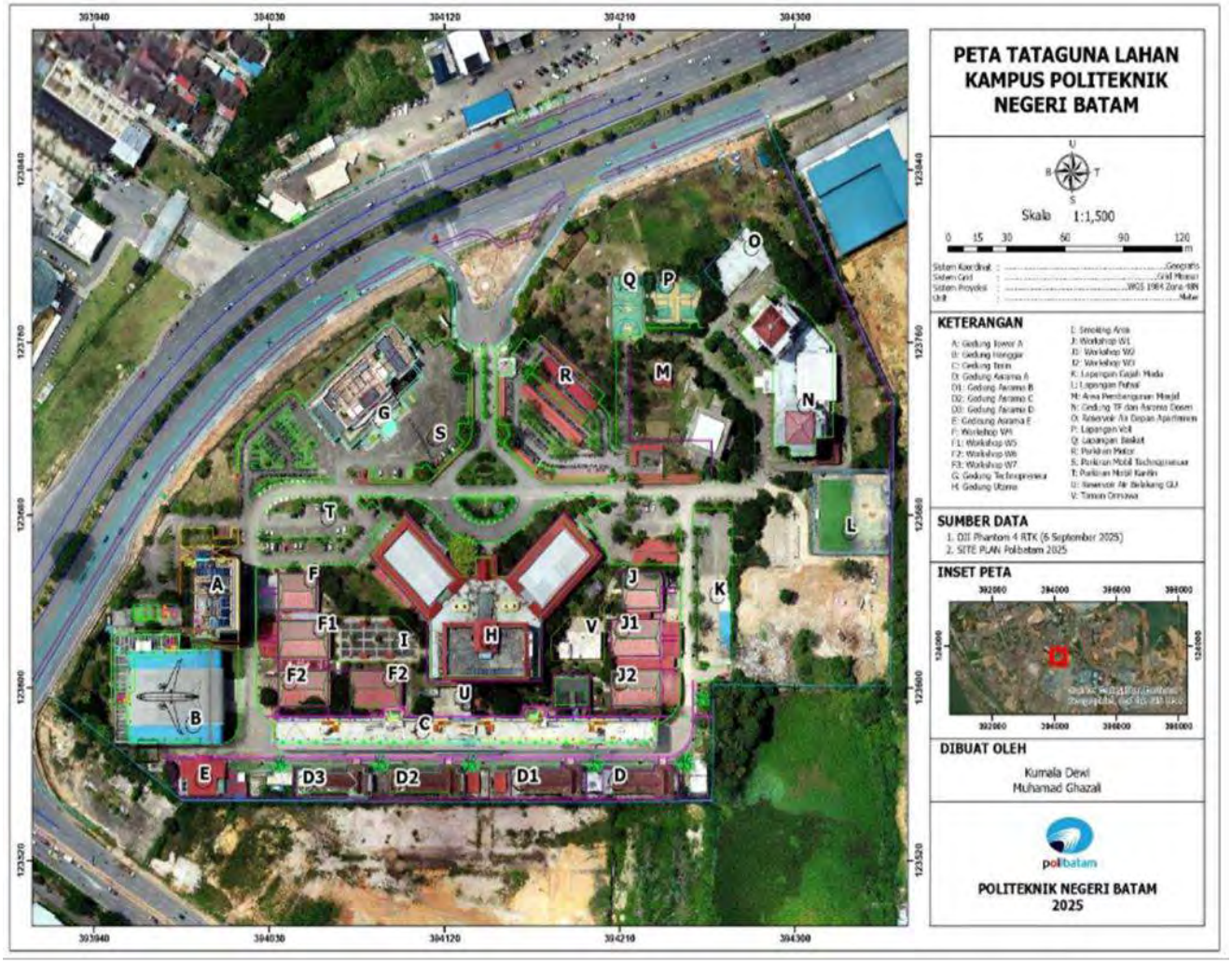
Total area: 92.367 m^2
Total distance/circumference: 1.2 km = 1.262.09 m

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 m²	Area: 3.752 m²
Tower A Building	Workshop 4,5,6 dan 7 Building
	 
Area: 9.045 m²	Area: 1.819 m²
Teaching Factory Building	Hanggar Building
	
Area: 10.312 m²	Area: 3.763 m²
Workshop 1,2,3 Building	Asrama E Building

 	
Area : 1.270 m²	Area : 540 m²
TRAIN Building	Asrama A-D

 	   
Area : 8.948 m²	Area : 2.800 m²

Description:

Building name	Total Area (m2)
Gedung Utama	14.881
Gedung Teaching Factory	10.312
Gedung Technopreneur	3.752

Gedung Mohamad Nasir (Tower A)	9.045
Gedung Hanggar	3.763
Asrama E	540
Asrama A,B,C dan D	2.800
Workshop W1, W2 dan W3	1.270
Workshop W4, W5, W6 dan W7	1.819
Gedung TRAIN	8.948
JUMLAH	**57.130**

Politeknik Negeri Batam encompasses a total constructed area of 57,130 m^2, which includes academic,administrative, residential, and workshop facilities. Significant structures comprise the Main Building (14,881 m^2), Teaching Factory (10,312 m^2), Technopreneur Center (3,752 m^2), Tower A (9,045 m^2), and TRAIN Building (8,948m^2), among others.

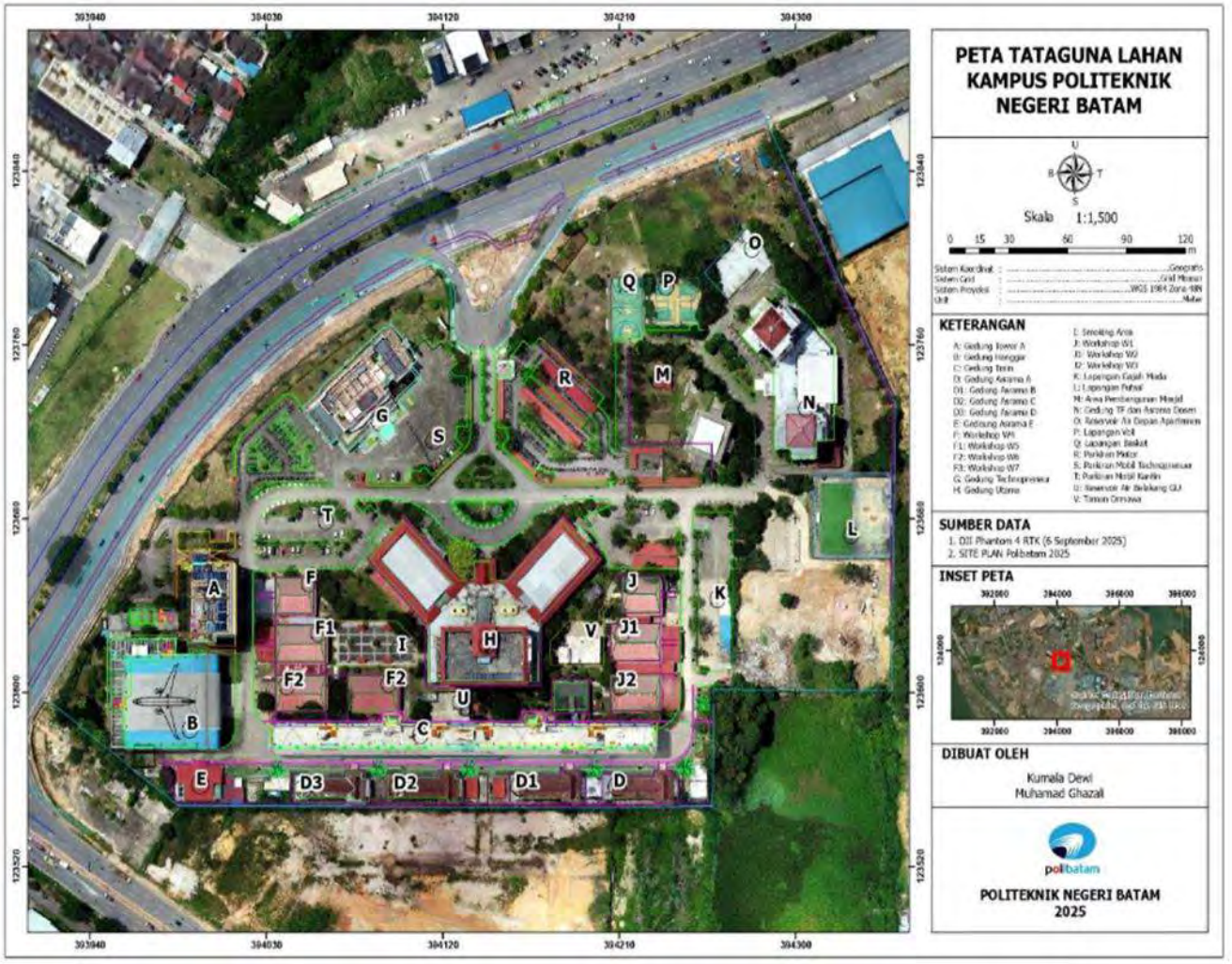
The placement of facilities demonstrates an effective utilization of campus land that facilitates academic, innovative, and student engagement activities. Maps are supplied to depict the location, area dimensions, and spatial distribution of the buildings pertinent to this indication.

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)



Description:

Politeknik Negeri Batam encompasses a total campus area of 92,367 m², with a building covering of 17,788 m². The remaining 80.74% (80,742 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.

Ratio of open space towards total area: 96%

No	Nama Gedung	Luas m^2
1	Gedung Utama	4.312
2	Gedung Teaching Factory	2.042
3	Gedung Technopreneur	1.657
4	Gedung Mohamad Nasir (Tower A)	655
5	Gedung Hanggar	2.224
6	Asrama E	270
7	Asrama A,B,C dan D	1.400
8	Workshop W1, W2 dan W3	1.270
9	Workshop W4, W5, W6 dan W7	1.721
10	Gedung TRAIN	2.237
Jumlah		**17.788**

1.5 Total area of Politeknik Negeri Batam Campus : 92.367
1.6 Total building footprint area (building footprint coefficient) : 17.788
1.8 Comparison of open space to total area : 80.742 = 80.74%
Formula (((1.5-1.6)/1.5) x 100%)

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/

[1] Setting and Infrastructure (SI)

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

Total Forest Vegetation Area (Politeknik Negeri Batam, Indonesia)

Description:

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 Gadjah 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%

Total area: 893,529,49 m^2
Total distance/circumference: 4.84 km

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 (meter^2) (SI.3)




Example of Total Planted Vegetation Area (Politeknik Negeri Batam, Indonesia)

Description:

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 Gadjah Mada	1.284,08
9	Jalan menuju Lapangan Basket	468,96
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11	Gedung Technopreneur	1.957,20
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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%

Total planted vegetation area: 30.120 m^2
Total Area: 75.471,84 m2
Percentage area: 40%

The overall area of Politeknik Negeri Batam's campus is 75.471,84 m², and 30.120 m² (around 40%) 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.

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[1] Setting and Infrastructure (SI)

[1.11] Total area on campus for water absorption besides the forest and planted vegetation (meter^2) (SI.4)

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Street 1</td><td>Street 2</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Street 3</td><td>Street 4</td></tr>
</table>

Example of **Total area on campus for water absorption besides the forest and planted vegetation**
(Politeknik Negeri Batam, Indonesia)

Description:
Total **water absorption** area
(area ruang terbuka hijau + area conblock) : 29.751 m^2 + 15.589 m^2 = 45.340 m^2
Total Area : 92.367 m^2
Percentage area : 49%

Politeknik Negeri Batam has set aside 45.320 m^2 of land for water absorption, which is around 49% of the overall campus area (92.367 m^2). These sites are very important for keeping the campus's water balance and supporting long-term water management methods.

The water absorption zones are mostly made up of surfaces that let rainfall in and keep it from running off the surface. These are:

1. Open regions with grass and unpaved ground around academic buildings, workshops, and dorms.

2. Sections of roads and paths that are porous, especially those that run through the campus and parking lots, are meant to help recharge groundwater.

3. Strategically placed drainage gardens and infiltration basins near the Teaching Factory, Hanggar Building, and Technopreneur Center act as collection places for rainwater.

4. Buffer zones around sports fields and utility buildings act as natural places for water to soak in.

These locations help a lot to lower the risk of flooding, keep groundwater levels high, and keep the campus cooler. The design of the campus focuses on combining green infrastructure and water-sensitive urban design to encourage sustainability.

polibatam

UI GreenMetric World University Rankings

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[1] Setting and Infrastructure (SI)

[1.17] University budget for sustainability effort (in US Dollars)

Kurs USD Per 15 Oktober 2025

Uraian	2025		2024		2023		Rata-rata ($)
	16659,88		16659,88		16659,88		
	Rupiah	USD	Rupiah	USD	Rupiah	USD	
Total Anggaran (DIPA APBN+PNBP)	146.285.780.000	8.895.303,24	417.888.462.000	25.071.296,85	306.734.038.000	17.412.350,75	15.459.120,61
Alokasi anggaran Green Campus	54.111.660.000	3.248.022,15	55.442.594.000	1.387.591,81	76.746.294.000	4.606.845,07	3.747.532,56
- Alokasi anggaran penelitian 3 tahun terakhir	3.028.004.000	181.754,25	3.750.063.000	225.085,44	2.651.970.000	159.183,00	
- Alokasi anggaran green campus mulai dari fasilitas dan sarana	7.831.591.000	470.080,58	8.134.189.000	488.250,10	15.855.895.000	951.741,25	
- Alokasi anggaran green campus mulai dari sumber daya	42.803.117.000	2.569.113,16	44.079.282.000	1.645.774,28	57.458.627.000	3.448.922,00	
- Alokasi anggaran green campus mulai dari bahan habis	450.948.000	27.067,90	480.090.000	28.811,73	779.802.000	46.798,76	
Rata-rata Persentase							24,24%

Description:

Politeknik Negeri Batam spends an average of 24.24% of its annual budget on projects that help the environment. This allocation shows the institution's long-term commitment to being environmentally friendly, using less energy, and making the campus greener and more resilient.

The budget for sustainability includes a lot of different programs and activities, such as Improving infrastructure and amenities, like installing renewable energy systems, green building designs, and systems that save water. Campus greening and environmental upkeep, which includes things like landscaping, managing plants, and cutting down on trash. Projects for research and community service that have to do with sustainability, innovation, and protecting the environment. Educational initiatives and training to get students and staff more aware of and involved in sustainable practices. Programs for sustainable transportation and energy management include bike-friendly paths, lighting systems that use less energy, and efforts to cut down on carbon emissions.

This ongoing funding commitment makes sure that sustainability concepts are built into academic, operational, and community involvement initiatives for the long term. Financial reports and pertinent project records, as well as easy-to-find graphic data and connections, give supporting proof and documentation.

- The average percentage university budget for our university is 24,24%

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/1Mo2y1ZgxCd_k0XHDC0MJ6RrpwD849UIt?usp=drive_link

Template for Evidence(s)
UI GreenMetric Questionnaire

University : Politeknik Negeri Batam
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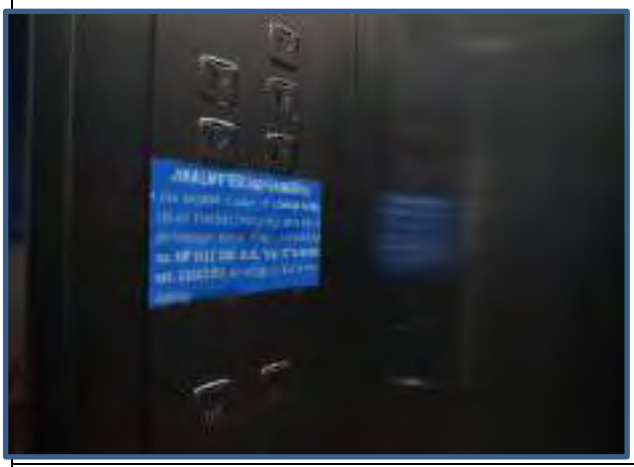
[1] Setting and Infrastructure (SI)

[1.19] Campus facliities for disable, special needs and or maternity care (SI.7)

1. Disabled parking (Politeknik Negeri Batam)

2. Accessible toilet (Politeknik Negeri Batam)



3. Special elevator equipped with Braille

4. Guiding Block

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>5. Accessible ramp with handrails</td><td>6. Equipped with screen readers and visual alerts</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>7. Lactation Room</td><td>8. Priority queue</td></tr>
</table>

As part of our commitment to inclusivity and equal access, our campus provides a range of facilities designed to support students, staff, and visitors with disabilities, special needs, and maternity care. These facilities are distributed across various campus buildings and are designed to meet standards of comfort, safety, and privacy.

1. **Disabled Parking**
   Designated parking areas located near building entrances, allowing easy access for wheelchair users and individuals with limited mobility.
2. **Accessible Toilets**
   Toilets equipped with handrails, spacious layouts, and safety features available in multiple buildings.
3. **Elevators**
   Elevators in multi-story buildings are equipped with Braille buttons and audio announcements to assist visually impaired users.
4. **Guiding Blocks**
   Tactile guiding paths are installed at pedestrian walkways and building entrances to support navigation for blind or visually impaired individuals.

5. **Ramps**
   Non-slip ramps with sturdy handrails are available in areas with elevation changes to facilitate access for wheelchair users and those using mobility aids.
6. **Accessible Computers**
   Computers equipped with screen readers, Braille display support, and visual/audio accessibility features are available in the library and student service centers.
7. **Lactation Rooms**
   Private, hygienic rooms for breastfeeding staff or students, furnished with comfortable seating, electrical outlets, and refrigeration for milk storage.
8. **Priority Queues and Areas**
   Certain service areas provide priority lanes for individuals with disabilities, pregnant women, and elderly visitors to ensure fast and respectful service

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

https://docs.google.com/spreadsheets/d/1DXPxVp4kU-9arv6d1AA4_2d3db-GTDEh/edit?usp=drive_link&ouid=110055913906052755579&rtpof=true&sd=true

Template for Evidence(s)
UI GreenMetric Questionnaire

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[1] Setting and Infrastructure (SI)

[1.20] Security and safety facilites (SI.8)

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>1. additional CCTV point in the Courtyard of Workshop Room 7 (Politeknik Negeri Batam, Indonesia) More Images</td><td>2. Fire Hidrant More Images (Politeknik Negeri Batam, Indonesia)</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>3. Jalur Evakuasi More Images</td><td>4. Titik Kumpul More Images</td></tr>
</table>

	 
5. Pelatihan Evakuasi Lift [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)

Description:

1. CCTV Surveilance
   Politeknik Negeri Batam (Polibatam) has CCTV points spread throughout the buildings and other facilities (Canteen, Smooking area, etc.

In 2025, there will be an additional CCTV point in the Yard of Workshop Room 7 (Politeknik Negeri Batam, Indonesia)

2. Fire Hydrants
   Politeknik Negeri Batam has installed fire hydrants at strategic campus locations to prevent potential fires. These facilities enable security personnel and firefighters to respond rapidly and effectively, as their placement ensures easy access during emergencies.
3. Emergency Response Time
   Politeknik Negeri Batam has established a response time standard of less than five minutes for emergency situations, including accidents, crimes, fires, and natural disasters. This standard is implemented through effective coordination between the campus security unit, health personnel, and the emergency response team to ensure swift, appropriate, and coordinated action to ensure the safety of the entire academic community.
4. 24-Hour Security
   Politeknik Negeri Batam security officers are on duty 24 hours a day. They ensure a safe, orderly, and conducive campus environment for all students, lecturers, educational staff, and visitors. This responsibility includes routine patrols, monitoring strategic areas, and responding quickly to potential security disturbances.
5. Annual Fire Extinguisher Maintenance
   All portable fire extinguishers (APAR) at Politeknik Negeri Batam are inspected and replaced annually to ensure optimal function and readiness in emergency situations. This activity is part of Polibatam's ongoing efforts to maintain the safety and security of the campus environment.
6. First Aid Kits on Every Floor
   Each floor of Politeknik Negeri Batam has a first aid kit. This ensures quick access to medical supplies for minor injuries or emergencies. The facility supports campus preparedness for providing effective first aid to the academic community.

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[1] Setting and Infrastructure (SI)

[1.21] Health infrastructure facilities for students, academics and administrative staffs' wellbeing (SI.9)

<table>
<tr><td> 
</td><td>  </td></tr>
<tr><td>1. UKS and Quiet Room of Polibatam (CV Perawat)</td><td>2. A first aid kit is available on each floor, First Aid (Politeknik Negeri Batam, Indonesia)</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>3. Counseling Room, Counseling Room</td><td>4. Task Force for the Prevention and Handling of Sexual Violence Counseling Room</td></tr>
</table>

	
5. Sertifikasi K3L, CCTV, K3 & Hydrant	6. Nurse, Nurse

Description:

1. Politeknik Negeri Batam provides comprehensive health services and various health and accessibility facilities to ensure the well-being and safety of all students and academic staff.
2. The campus is equipped with accessible toilets for persons with disabilities, emergency buttons inside the toilets, and guiding blocks for visually impaired individuals. Assistive tools for blind users are also available to support accessibility.
3. In addition, each floor is equipped with a first aid kit for rapid medical response, supported by the presence of a School Health Unit (UKS) and a Quiet Room, which serve as spaces for rest and recovery in a calm environment. The campus also provides a Counseling Room to support mental health services and psychological well-being.
4. To strengthen efforts in health, safety, and protection, the institution has established a Task Force for the Prevention and Handling of Sexual Violence (PPKPT). CCTV cameras are also installed to monitor campus security and create a safe learning environment.
5. The campus features a gym facility to support students and academic staff in maintaining physical health and promoting a healthy lifestyle.
6. In addition to these health facilities, the campus organizes a routine health check-up program every Friday for all academic members. This activity includes blood pressure checks, blood sugar tests, cholesterol screenings, and other basic health examinations. The program aims to raise awareness about the importance of maintaining health, enable early detection of disease risks, and encourage the adoption of healthy lifestyles within the campus community.

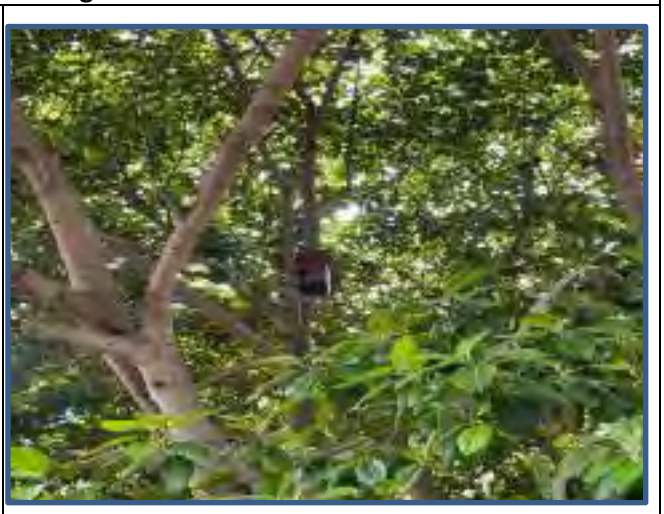
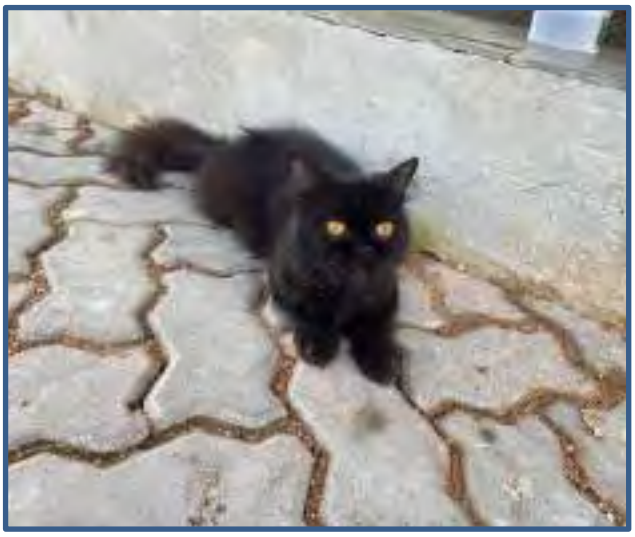
Template for Evidence(s)
UI GreenMetric Questionnaire

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

[1] Setting and Infrastructure (SI)

[1.22] Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities (SI.10)

Kolam	
	
	

Rumah Burung	
 Rumah 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

Description:

Politeknik Negeri Batam has established several conservation areas that support environmental preservation and ecosystem sustainability within the campus. These include a natural pond that functions as a fish habitat and water infiltration zone, as well as several Bird Houses located in different parts of the campus to maintain the population of local bird species.
In addition, biopores and leaf composting areas are utilized to enhance soil fertility and promote a zero-waste environment. The campus also maintains various plant conservation areas with crops such as papaya, chili, longan, sapodilla, jackfruit, and lemongrass, which are cultivated around the Bamboo Cabin and campus gardens as part of the greening and food resilience program.
These initiatives demonstrate Polibatam's commitment to integrating plant and wildlife conservation into sustainable campus management practices

Template for Evidence(s)
UI GreenMetric Questionnaire

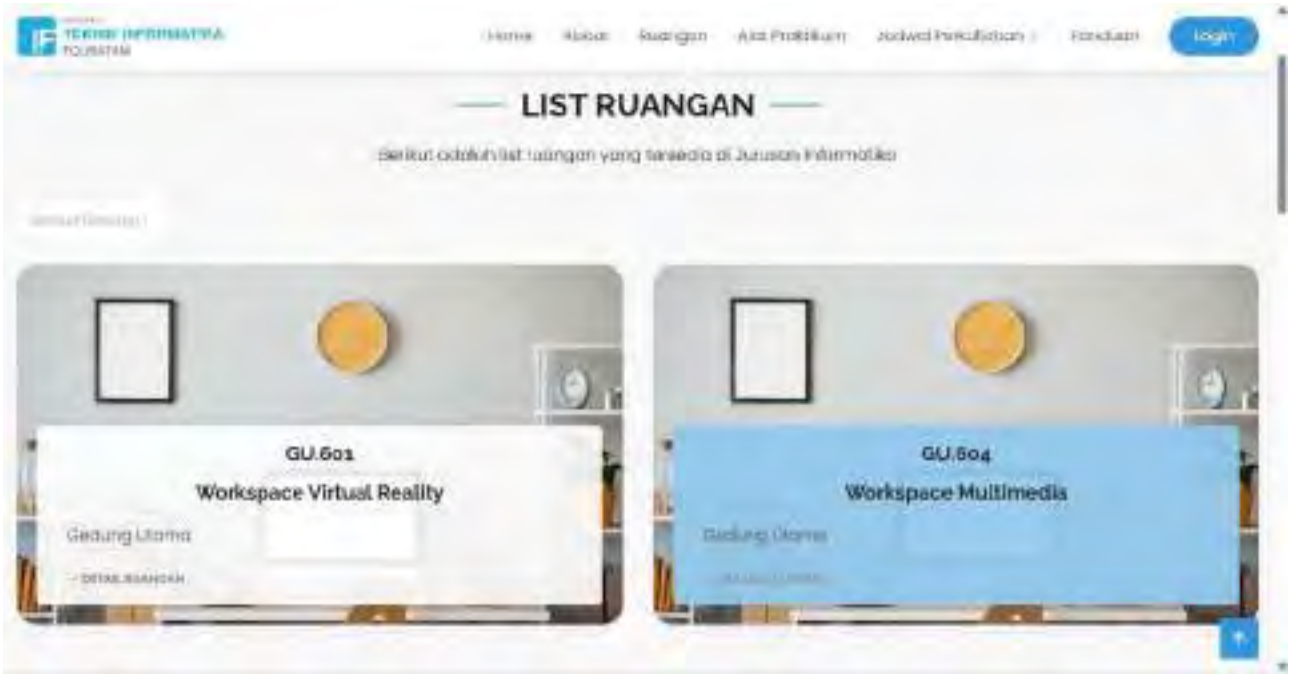
University : Politeknik Negeri Batam
Country : Indonesia
Web Address :

[1] Setting and Infrastrcuture (SI)

[1.23] Planning, implementation, monitoring and/or evaluation of all programs related to Setting and Infrastructure through the utilization of Information and Communication Technology (ICT) (SI.11)

Stage	Activities/Programs	ICT Utilization	Responsible Team/Department
Planning	Development of campus infrastructure master plan and resource allocation strategy	Use of digital data collection tools, Building Information Modelling (BIM), and Geographic Information System (GIS) to map building conditions, space utilization, and energy consumption	ICT Unit, Facility and Infrastructure Division
Implementation	Installation of smart systems (automated lighting, temperature control, attendance, and room booking) and network upgrades (Wi-Fi 6, cloud systems)	Project management software for coordination, procurement tracking, and progress monitoring	ICT Unit, Facilities Management Department
Monitoring	Continuous monitoring of electricity, water, and occupancy through IoT-based sensors and online dashboards	Real-time monitoring systems, CCTV integration, and digital access control	ICT Unit, Campus Maintenance, Security Team
Evaluation	Evaluation of ICT effectiveness for infrastructure management and sustainability performance	Data analytics tools, digital reporting systems, and performance dashboards	ICT Unit, Institutional Research and Planning

https://www.youtube.com/watch?v=eMB1mhoGjos



Room Booking System

BAS (Building Automation System) untuk on off lampu otomatis

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:
https://peminjaman.polibatam.ac.id/list-ruangan
https://helpdesk.polibatam.ac.id/

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[1] Setting and Infrastrcuture (SI)

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

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

Classrom

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 Infrastucture
(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.

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)

[2.1] Energy Efficient Appliances Usage

Energy efficient has become a central focus in Polibatam to sustainability and smart campus development. It has been integrated into building operations, such as the installation of low-power LED lighting across the facilities.

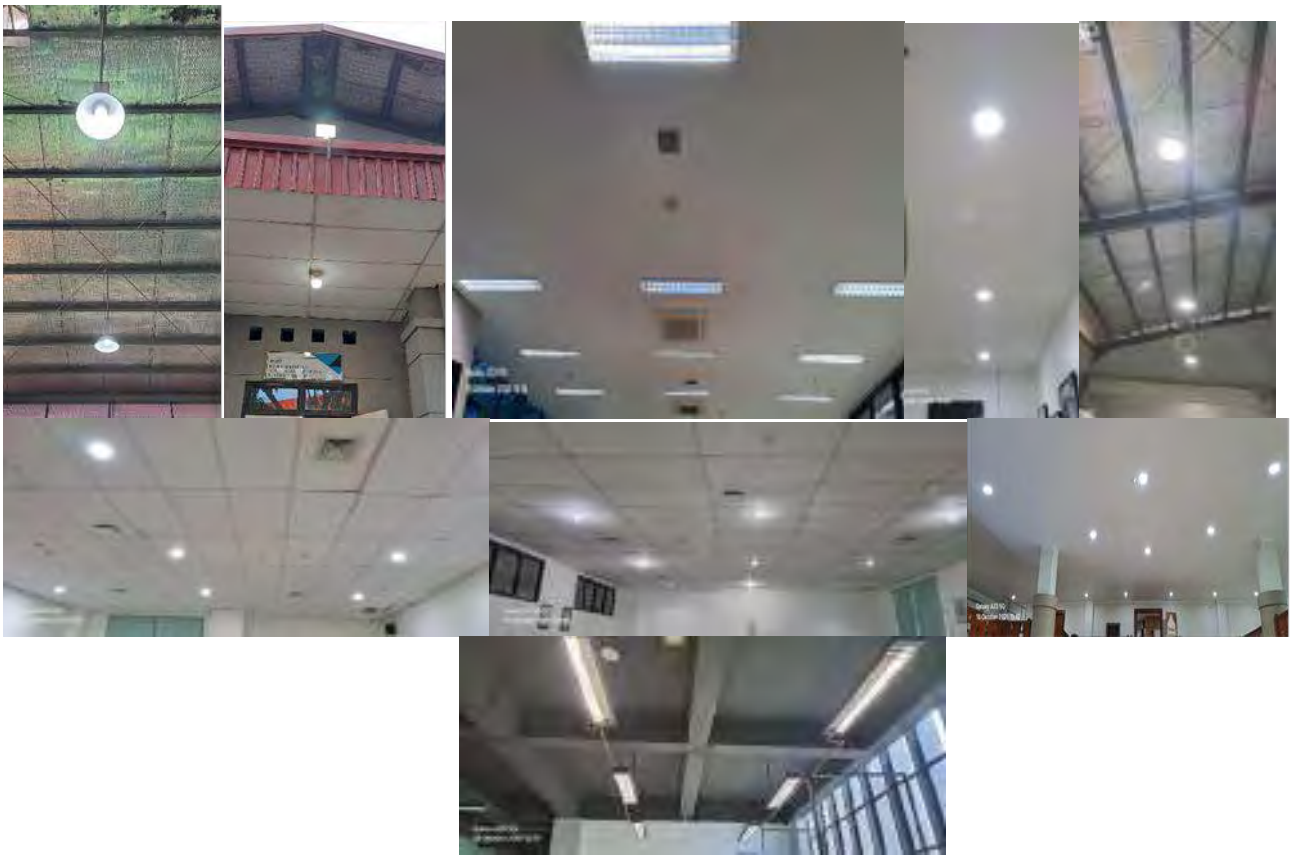


Figure 2.1. *LED lighting Installation*

The use of LED lights replaces conventional lights throughout all the buildings at Politeknik Negeri Batam. (Main Building (GU), Tower A Building, Techbopreneur Building, Hanggar, Teaching Factory Building, Student Dormitory A-E and All the Workhsop (W1-W7).

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)

[2.3] Smart Building Implementation (EC.2)

The implementation of Smart Building initiatives at Politeknik Negeri Batam (Polibatam) reflects the Polibatam's double action culture of Innovative and Integrity. Through the integration of advanced technologies such as automation, safety (video surveillance/CCTV), water (sanitation) and LED lighting optimization.

***Min. at least five requirements for each building**

No.	Name	Place	automation		safety				energy		water		Indoor environment				lighting				Building Area (m^2)
			B1	B2	S1	S2	S3	S4	E1	E2	A1	A2	I1	I2	I3	I4	L1	L2	L3	L4	
1	Gedung Mohamad Nasir (Tower A)	Batam	x	x		x	x		x	x					x		x	x	x	x	9.045
2	Gedung Technopreneur	Batam	x	x		x	x		x	x		x			x		x	x	x	x	3.752
3	Gedung Utama	Batam	x	x		x	x		x	x					x		x	x	x	x	14.881
	Total																				**27.678**

Please compile one row for each building (or homogeneous part of it) by ticking with a "X" for each requirement

Smart building implementation

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

***Total Building Area: 6.624 m^2**

27.678/6.624 x 100% = 4.18%

Politeknik Negeri Batam currently has only 3 out of 10 buildings implemented with smart building technology: the Mohamad Nasir Building, the Technopreneur Building, and the Main Building.

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

Main Building	Tower A Building
	
Technopreuner Building	
	

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/

[[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.



Example of Energy Efficient Appliances Usage: Solar absorption Air Conditioning system (Politeknik Negeri Batam, Batam)

No	Year	Location	Power generated (kWh)
1	2014	Gedung Utama	15,000
2	2017	Gedung Mohamad Nasir (Tower A)	45,000
3	2021	Gedung Technopreneur	15,000

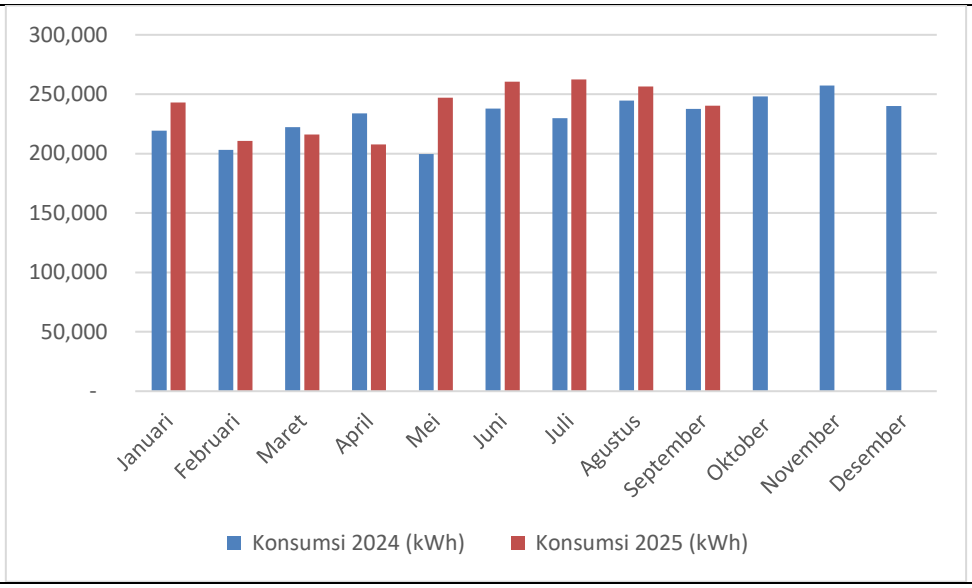
The total generated power of 75,000 kWh is distributed in real time across the buildings through an integrated energy management system. By utilizing renewable energy from the sun, it reduces the pollution burden from burning fossil fuels.

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[2] Energy and Climate Change (EC)

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



Penggunaan Listrik (kWh) Politeknik Negeri Batam

Month	**Electricity Consumed in 2024 (kWh)**	**Electricity Consumed in 2025 (kWh)**
Januari	219.357	243.095
Februari	203.072	210.685
Maret	222.218	216.156
April	233.873	207.762
Mei	199.685	246.957
Juni	237.813	260.453
Juli	229.787	262.325
Agustus	244.652	256.539
September	237.555	240.223
Oktober	248.052	
November	257.312	
Desember	239.954	
Total	**2.773.327**	**2.144.194**

Description:

The increase in electricity usage in 2025 is due to the additional operations of the TRAIN building which will be operational in 2025

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)

Example of Roof Solar Panels - Monas/ Tower A Building (Politeknik Negeri Batam, Indonesia)

Example of Roof Solar Panels - Technopreneur Building (Politeknik Negeri Batam, Indonesia)

Example of Roof Solar Panels - Main Building (Politeknik Negeri Batam)

Description:
(*Please describe the renewable energy sources on your campus. The following is an example of the description. You can describe more related items if needed.*)

No	Renewable Energy	Production (in kWh)
1	Solar Panel – Monas/ Tower A Building	45.000
2	Solar Panel – Technopreneur Building	15.000
3	Solar Panel – Main Building	15.000
	Total	75.000

75.000 / 2.144.194 (Electricity usage) = 0,035%

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/

[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

Example of Green Building Implementation – Waste Handling

Example of Green Building Implementation – Water Recycle

GBI Non-Residential Existing Building	GU	Tower A	TF	Techno	Hanggar	Workshop
Element 1. Energy Efficency	**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						

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						
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

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/

[2] Energy and Climate Change (EC)

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

Polibatam has implemented a Greenhouse Gas Emission Reduction Program. The initiative includes the installation of solar panels on several buildings to harness renewable energy **(Scope 1&2)**. Polibatam also utilizes electric motorcycles as operational vehicles for area surveillance and security monitoring, replacing fuel-powered alternatives to minimize emissions **(Scope 1).** Polibatam has implemented several initiatives that indirectly contribute to reducing Greenhouse Gas (GHG) emissions through sustainable waste and water management practices. Polibatam utilized organic waste for compost production, turning biodegradable materials into eco-friendly fertilizer for campus green areas. In addition, Polibatam actively recycles paper and plastic waste to minimize landfill disposal and reduce carbon emissions from waste processing. The reuse of treated wastewater from the Sewage Treatment Plant (STP) for toilet flushing and plant irrigation further supports water conservation and energy efficiency **(Scope 3)**.

	
1. renewable energy	2. renewable energy

	
3. renewable energy	4. Motor Listrik

	
5. Utilize organic waste for composting	6. Biopori

 FREE THE SEA polibatam PERJANJIAN KERJASAMA *MEMORANDUM OF AGREEMENT* No: 0014/FTS/02/2025 No: 45/MOA.PL29/II/2025 NOTA KESEPAKATAN ini dibuat dan ditandatangani pada hari Senin tanggal Tujuh Februari tahun Dua Ribu Dua Puluh Lima (07/02/2025) oleh dan antara: *This MOA was made and signed on Monday the Seventh of February in the Year Two Thousand Twenty-Five (07/02/2025) by and between:* PT FREE THE SEA, suatu persercan terbatas yang ***PT FREE THE SEA**, a company registered under the*	
7. Recycle inorganic waste program	8. Recycle effluent of STP

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 (CO_2 emission in the last 12 months, in metric tons)

Option 2: Recommended by UI GreenMetric

CO_2 (electricity)

$$= \frac{electricity\ usage\ per\ year\ (kWh)}{1000} \times 0{,}84$$
$$= \frac{2.144.194\ kWh}{1000} \times 0{,}84$$
$$= 1.801{,}82 \text{ metric tons}$$

CO_2 (bus)

$$= \frac{number\ of\ shuttle\ bus\ in\ your\ university \times total\ trips\ for\ shuttle\ bus\ service\ each\ day \times approximate\ travel\ distance\ of\ vehicle\ each\ day\ inside\ campus\ only\ (KM) \times 240}{100} \times 0{,}01$$
$$= \frac{15 \times 150 \times 5 \times 240}{100} \times 0{,}01$$
$$= 270 \text{ metric tons}$$

CO_2 (cars)

$$= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0{,}02$$
$$= \frac{2{,}000 \times 2 \times 5 \times 240}{100} \times 0{,}02$$
$$= 960 \text{ metric tons}$$

CO_2 (motorcycle)

$$= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0{,}01$$

$$= \frac{4{,}500 \times 2 \times 5 \times 240}{100} \times 0{,}01$$

$$= 1{,}080 \text{ metric tons}$$

CO_2 (total)

$$= 1.801{,}82 + 270 + 960 + 1{,}080$$

$$= 4{,}111.82 \text{ metric tons}$$

Carbon footprint = 4,111.82 metric tons

Total Carbon Footprint Politeknik Negeri Batam

Description:

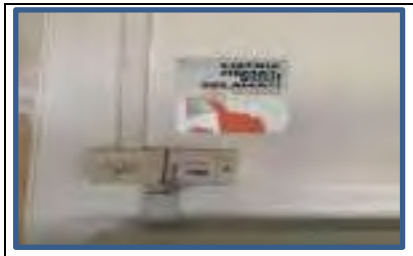
The total carbon footprint of Polibatam Campus is 4,111.82 metric tons of CO_2 equivalent (tCO_2e). This figure represents the combined emissions generated from electrical energy consumption and transportation activities. A significant portion is from electricity usage, which includes lighting, air conditioning, laboratory equipment, and other operational systems that support academic and administrative activities. Meanwhile, the transportation sector contributes through daily commuting by students, staff and lecturers.

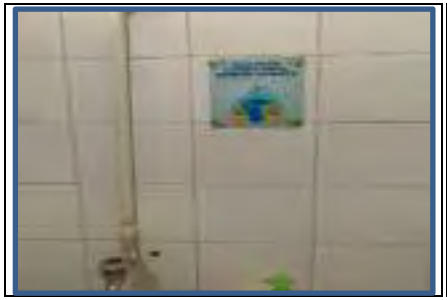
Template for Evidence(s)
UI GreenMetric Questionnaire

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

[2] Energy and Climate Change (EC)

[2.14] Impactful university program(s) on climate change (EC.10)
Polibatam has carried out several environmentally friendly campaign programs as an implementation impacful program on climate change. The initiatives include a Water Conservation Campaign, which encourages the campus community to use water responsibly; Campus energy conservation campaign, promoting the reduction of electricity consumption through efficient practices and awareness of sustainable energy use; and a Reusable Bottle Movement, aimed at minimizing single-use plastic packaging by encouraging students and staff to carry refillable bottles. These programs not only contribute to lowering Polibatam's environmental footprint but also foster a culture of sustainability and responsibility among its academic community, aligning with the global commitment to climate action.

Program	Implemention	Impact
Campus energy conservation campaigns		To reduce electricity consumption and CO_2 emission

Program	Implemention	Impact
Water Conservation Campign		encourages the campus community to use water responsible
Reusable Bottle Movement		minimizing single-use plastic packaging by encouraging students and staff to carry refillable bottles

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] Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT) (EC.11)

Polibatam implements and plan program on Energy and Climate Change through the effective utilization of Information and Communication Technology (ICT). Through programs such as the *Smart Energy Tracker*, *Digital Water-Saving Campaign*, *Tumbler & Waste Tracker*, and *Virtual Workshop on Climate Awareness*, Polibatam integrates IoT systems, and digital platforms to monitor resource usage, encourage behavioral change, and enhance y awareness. These programs demonstrate Polibatam's commitment to reducing electricity and water consumption, minimizing plastic waste, and fostering a well-informed academic community capable of addressing climate challenges.

Program Name	Focus	ICT Utilized	Expected Impact
Smart Energy Tracker	Building electricity saving	IoT sensors + online dashboard	Reduce electricity consumption by 10% per year
Digital Water-Saving Campaign	Water conservation	Mobile app + digital reminder	Increase public awareness and reduce water consumption
Tumbler & Waste Tracker	Reduction of plastic waste	QR code + tracking application	Reduce plastic waste in the campus cafeteria
Virtual Workshop on Climate Awareness	Education and awareness on climate change	Zoom/Webinar + e-module	Increase community understanding of climate change mitigation

- **Planning:** Reduce resource consumption and increase environmental awareness
- **Implementation:** applies IoT sensors and online dashboards to monitor building energy usage in real time, promotes water conservation habits among students and staff, reduce of single-use plastics in the cafeteria, online seminars and e-modules to strengthen climate literacy
- **Monitoring:** digital dashboards and tracking systems to measure electricity and water consumption, as well as waste reduction performance.

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)

SAMPLE

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

The university has undertaken a wide range of energy and climate-related programs that contribute significantly to the achievement of the **17 Sustainable Development Goals (SDGs)**. These initiatives demonstrate a strong commitment to reducing carbon emissions, enhancing energy efficiency, and fostering climate resilience. Key programs include:

- **Installation of solar panel systems on several building rooftops and open areas** to produce renewable electricity and reduce dependency on fossil fuels **(SDG 7 & SDG 13)**
- **Adoption of smart building technologies** such as automation system, safety (video surveillance/CCTV), water (sanitation) and LED lighting optimization **(SDG 11 & SDG 7)**
- **Campus energy conservation campaigns**, including “green office” guidelines, no-AC days, and awareness events to promote responsible energy behavior **(SDG 6 & SDG 12)**
- **Water conseation campigns,** to encourages the campus community to use water responsibl
- **Reusable Bottle Movement,** to minimize single-use plastic packaging by encouraging students and staff to carry refillable bottles **(SDG 12)**
- **Implementation of a centralized Building Management System (BMS)** to monitor and control Lighting **(SDG 7 & SDG 9)**
  Replacing conventional lighting with LED and energy-efficient equipment in academic and administrative buildings. **(SDG 7 & SDG 13)**
- Virtual Workshop on Climate Awareness, **(SDG 13)**

Supporting SDGs conclusions :

- **SDG 6** – Improving water efficiency in infrastructure operations
- **SDG 7** – Increasing the share of affordable, clean energy
- **SDG 9** – Innovating with smart infrastructure
- **SDG 11** – Building sustainable and low-carbon campuses
- **SDG 13** – Addressing climate change through mitigation and adaptation measures
- **SDG 12** – Promoting responsible energy consumption

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

Politeknik Negeri Batam actively promotes the 3R (Reduce, Reuse, Recycle) program as part of its commitment to environmental sustainability. The Reduce initiative encourages the use of personal tumblers and the implementation of paid plastic policies to minimize single-use plastic consumption. Through Reuse, organic waste generated on campus is processed into compost for plants and utilized in biopore systems to enhance soil absorption and fertility. Meanwhile, the Recycle program is carried out in collaboration with the local waste bank to manage and recycle plastic and paper waste, ensuring valuable materials are reintroduced into the production cycle rather than ending up in landfills.

3R Program for University Waste (Politeknik Negeri Batam, Indonesia)

Kompos Jaring	Biopori
	
Total Kompos Jaring yang telah terpasang : 230 Pohon	Total biopori : 10 Jarak : 4 meter

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):
https://docs.google.com/spreadsheets/d/1Uc_A0_Q7UX4VgMh9DMHwLSSCMm5vMY8I/edit?usp=drive_link&ouid=110055913906052755579&rtpof=true&sd=true

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

Bulan	Sampah Plastik (kg)	Sampah Kertas (kg)
Januari	18,5	155
Februari	19	160
Maret	20	165
April	21	165
Mei	20	170
Juni	21	165
Juli	22	175
Agustus	24,5	180
September	19	155
Oktober	20	170
November	22	180
Desember	23	185
Total	**250**	**2.025**

Description:
Polibatam generates approximately 20.83 kilograms of plastic waste and 168 kilograms of paper waste. The highest waste volume was recorded in August, primarily due to the implementation of the Polibatam National Vocational Event, which involved large-scale activities and an increase in administrative and packaging materials. This data highlights the importance of continuous waste management efforts and the promotion of sustainable practices to reduce the environmental impact of campus events and daily operations.

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/

[3] Waste (WS)

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

Example of Reduce Program : Paid Plastic Policy Announcement

Example of Reduce Program : Reusable Tumbler

Example of Waste Treatment : Leaves Fertilizer & Biopori

PERJANJIAN KERJASAMA
MEMORANDUM OF AGREEMENT
No: 0014/FTS/02/2025
No: 45/MOA.PL29/II/2025

NOTA KESEPAKATAN ini dibuat dan ditandatangani pada hari Senin tanggal Tujuh Februari tahun Dua Ribu Dua Puluh Lima (07/02/2025) oleh dan antara:

This MOA was made and signed on Monday the Seventh of February in the Year Two Thousand Twenty-Five (07/02/2025) by and between:

PT FREE THE SEA, suatu persercan terbatas yang

PT FREE THE SEA, a company registered under the

Collaboration with FTS for plastic waste processing

Description:

Politeknik Negeri Batam implements a comprehensive waste reduction program aimed at minimizing the use of paper and plastic across all campus activities. One of the flagship initiatives is the Paid Plastic Policy, which encourages students, staff, and visitors to bring reusable bags, bottles, and containers instead of relying on single-use plastics. The campus also promotes the use of reusable tumblers and bans plastic straws and disposable cups at campus canteens and vending areas.

To further reduce paper consumption, Polibatam has digitized administrative processes, including online class management, electronic document submissions, e-signatures, and digital archives. This initiative reduces printing activities and supports eco-friendly operations.

In collaboration with the Free The Sea (NGO), plastic waste is collected and processed for recycling, while leaf composting and biopore programs handle organic waste sustainably. These combined actions foster a zero-waste culture within the campus community.

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

2025	Amount (Ton)			
Month	**Organic (ton)**	**Food Waste**	**Leaf waste**	**others**
Januari	0.44	0.22	0.19	0.03
Februari	0.41	0.21	0.17	0.03
Maret	0.45	0.23	0.19	0.03
April	0.42	0.21	0.18	0.03
Mei	0.43	0.22	0.18	0.03
Juni	0.41	0.21	0.17	0.03
Juli	0.45	0.23	0.19	0.03
Agustus	0.43	0.22	0.18	0.03
September	0.42	0.21	0.18	0.03
Total (Jan–Sep)	**3,9**	**2,0**	**1,7**	**0,2**

In 2025, the average amount of organic waste generated on campus reached approximately 1.97 tons of food waste, 1.695 tons of leaf waste, and 0.214 tons of other organic materials. This data indicates that food waste remains the largest contributor to the total organic waste, reflecting daily consumption patterns from campus activities such as canteens and student events. Meanwhile, leaf waste contributes significantly due to regular maintenance of green areas, while other organic waste represents a smaller portion from miscellaneous biodegradable sources.

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

2024	Amount (Ton)			
Month	**Organic (ton)**	**Food Waste**	**Leaf waste**	**others**
Januari	0.45	0.23	0.19	0.03
Februari	0.43	0.22	0.18	0.03
Maret	0.48	0.25	0.20	0.03
April	0.45	0.23	0.19	0.03
Mei	0.45	0.23	0.19	0.03
Juni	0.43	0.22	0.18	0.03
Juli	0.48	0.25	0.20	0.03
Agustus	0.45	0.23	0.19	0.03
September	0.43	0.22	0.18	0.03
Oktober	0.45	0.23	0.19	0.03
November	0.48	0.25	0.20	0.03
Desember	0.47	0.24	0.20	0.03
Total 2024	**5,6**	**2,85**	**2,4**	**0,35**

In 2024, the average amount of organic waste generated on campus reached a total of 5.6 tons, consisting of 2.85 tons of food waste, 2.4 tons of leaf waste, and 0.35 tons of other organic materials. The high proportion of food and leaf waste indicates that most of the organic waste originates from daily activities in cafeterias and green areas across the 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

Bulan	Organic Waste (ton)	Organic Waste Treated
Januari	0.44	0.00
Februari	0.41	0.00
Maret	0.45	0.00
April	0.42	0.00
Mei	0.43	0.00
Juni	0.41	0.00
Juli	0.45	0.00
Agustus	0.43	0.00
September	0.42	0.07
Oktober	0.43	0.08
Total	4,29	0,15

The organic waste utilization program was implemented from September to October 2025, focusing on the creation of biopores and the use of dry leaves as organic fertilizer. This initiative aimed to reduce the amount of organic waste generated on campus while promoting sustainable waste management practices. Throughout the implementation period, an average of 16–18% of the total organic waste produced was successfully processed through these methods, contributing to improved soil quality and supporting the campus's environmental sustainability goals.

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[3] Waste (WS)

[3.8] Organic Waste Treatment (WS.3)

The organic waste utilization program implemented at Polibatam focuses on promoting sustainable waste management through biopore systems and the use of dry leaves as natural fertilizer. A total of six biopores have been installed, each spaced six meters apart, to enhance water absorption and accelerate the decomposition of organic waste. In addition, dry leaves collected from campus areas are processed into compost and used as fertilizer for approximately 200 plants.

Example of Waste Treatment : Leaves Fertilizer & Biopori

Waste	Generated Wasted (ton)	Diolah (ton)	Treated Method
Organic Food	1,97	0,05	Biopori
Leaf Waste	1,70	0,1	Leaves Fertilizer
Etc	0,21	0	
Total	**3,88**	**0,15**	

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

Type of waste	Produced (ton)	Reduced (ton)	Treated (ton)	Reused	Down-cycled	Up-cycled
Inorganic Non-toxic	1,9103	1,1367	–	–	–	–
- Paper	1,293	1,044	–	–	–	–
- Soft Plastic	0,0573	0,0027	–	–	–	–
- Hard Plastic	0,103	0,047	–	–	–	–
- Others	0,457	0,043	–	–	–	–
Total	3,8	2,3				

Description:
The table presents data on the production and reduction of inorganic non-toxic waste at Polibatam. A total of 1.9103 tons of inorganic non-toxic waste was produced, of which 1.1367 tons were successfully reduced. Among the waste categories, paper contributed the largest portion, with 1.293 tons produced and 1.044 tons reduced, reflecting significant recycling or reuse efforts.

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/

[3] Waste (WS)

[3.10] Total volume inorganic waste produced last year

Type of waste	Produced (ton)	Reduced (ton)	Treated (ton)	Reused	Down-cycled	Up-cycled
Inorganic Non-toxic	3,047	–	–	–	–	–
- Paper	2,337	–	–	–	–	–
- Soft Plastic	0,06	–	–	–	–	–
- Hard Plastic	0,15	–	–	–	–	–
- Others	0,5	–	–	–	–	–

Description:
In the previous year, the volume of inorganic waste generated on Polibatam was untreated.

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/

[3] Waste (WS)

[3.11] Total volume inorganic waste treated this year

Type of waste	Produced 2024 (ton)	Produced 2025 (ton)	Reduced (ton)	Treated (ton)	Reused	Down-cycled	Up-cycled
- Paper	2,337	1,293	1,044	–	–	–	–
- Soft Plastic	0,06	0,0573	0,0027	–	–	–	–
- Hard Plastic	0,15	0,103	0,047	–	–	–	–
- Others	0,5	0,457	0,043	–	–	–	–
Total Inorganic Waste Treated in 2025)			1,1367				

Description:
The reduction in the total amount of waste generated this year reflects Polibatam's successful collaboration in the utilization of plastic and paper waste. Through this partnership, waste materials that were previously disposed of are now being collected, processed, and repurposed more effectively.
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/

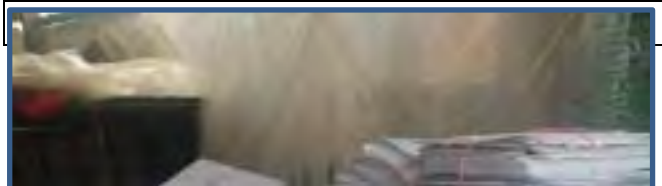
[3] Waste (WS)

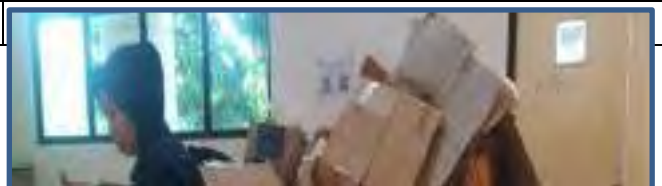
[3.12] Inorganic Waste Treatment (WS.4)

Polibatam has implemented an inorganic waste management program focusing on plastic waste collection through the installation of designated drop boxes across the campus. This initiative encourages the academic community to properly dispose of plastic waste, promoting awareness and responsibility toward environmental sustainability. The collected plastic waste is then managed in collaboration with *Free The Sea*, an organization dedicated to reducing ocean plastic pollution.

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**

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[3] Waste (WS)

[3.13] Total volume toxic waste produced this year

No	Type of Waste	Kode Limbah	Jumlah
1	Mix Chemical Acid	A108D	0,8 Kg
2	PCB	B107d	0,15 Ton

Description:
Hazardous and Toxic Waste (B3 waste) generated by Polibatam primarily originates from laboratory activities and teaching factory operations. These wastes are carefully collected, labeled, and temporarily stored in compliance with national environmental regulations before being handed over to licensed waste management companies

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/

[3] Waste (WS)

[3.14] Total volume toxic waste produced last year

No	Type of Waste	Kode Limbah	Jumlah
1	Mix Chemical Acid	A108D	2 drum + 27 jerigen
2	Used Rag	B110d	1 Kantong
3	PCB	B107d	2 Kardus

Description:
Hazardous and Toxic Waste (B3 waste) generated by Polibatam primarily originates from laboratory activities and teaching factory operations. . These wastes are carefully collected, labeled, and temporarily stored in compliance with national environmental regulations before being handed over to licensed waste management companies

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/

[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

	
Toxic Waste Treatment Document	Toxic Waste Treatment Document (Manifest)

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/

[3] Waste (WS)

[3.17] Sewage Disposal (WS.6)

Kolam Penampungan air dengan luas 414,78 m2 Politeknik Negeri Batam

Description:

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/

[3] Waste (WS)

[3.18] Planning, implementation, monitoring and/or evaluation of all programs related to Waste Management through the utilization of Information and Communication Technology (ICT) (WS.7)

Stage	Activities / Programs	ICT Utilization	Evidence	Timeline	Responsible Team / Department
Planning	Obtain technical approval for hazardous waste (B3) storage and construct a dedicated storage facility.	Digital submission system for permit approval and online design documentation.	Approval letter, digital drawings, and technical documents.	Q1–Q2 2025	Umum, PP
Implementation	Apply the approved hazardous waste storage procedures across all waste-generating areas.	Online dissemination of SOPs and digital reporting forms for B3 waste handling.	Implementation reports, digital SOP copies.	Q2–Q3 2025	All Departments producing B3 waste, Umum, PP
Monitoring	Conduct regular monitoring of B3 waste storage and transportation activities.	Use of digital logbooks and monitoring software for waste tracking.	Monitoring records, photo documentation, and transport manifests.	Continuous (Monthly)	Umum, PP
Evaluation	Periodically review the implementation of B3 waste storage management with relevant units.	Online evaluation meetings and digital audit reports.	Evaluation reports and meeting minutes.	Every 6 months	Umum, PP

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[3] Waste (WS)

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

Kompos Jaring	Biopori
	
Total Kompos Jaring yang telah terpasang : 230 Pohon	Total biopori : 10 Jarak : 4 meter

 Paper and Plastic waste sorting	 Paper and Plastic waste transporting
 Paper Waste Sortir	 Carton Waste Sorting

<table>
<tr>
<td> 
Waste Sorting</td>
<td> 
Plastic Waste Sorting</td>
</tr>
<tr>
<td> 
PERJANJIAN KERJASAMA
MEMORANDUM OF AGREEMENT
No: 0014/FTS/02/2025
No: 45/MOA.PL29/II/2025
NOTA KESEPAKATAN ini dibuat dan ditandatangani pada hari Senin tanggal Tujuh Februari tahun Dua Ribu Dua Puluh Lima (07/02/2025) oleh dan antara:
This MOA was made and signed on Monday the Seventh of February in the Year Two Thousand Twenty-Five (07/02/2025) by and between:
PT FREE THE SEA, suatu persercan terbatas yang
PT FREE THE SEA, a company registered under the
Collaboration with FTS for plastic waste processing</td>
<td> 
Drop Box Dropbox</td>
</tr>
</table>

Description:

Politeknik Negeri Batam has implemented comprehensive waste management initiatives that strongly support the Sustainable Development Goals (SDGs). The campus applies a waste segregation system for organic, inorganic, and recyclable materials, supported by biopore installation and composting nets (Kompos Jaring) for organic waste management—covering 230 trees and 10 biopores. The compost produced is reused for campus landscaping and green areas.

Plastic, paper, and carton waste are sorted and processed through collaboration with the Free The Sea (NGO) for recycling, while drop boxes are provided in strategic areas to facilitate waste collection. The campus also organizes zero-waste campaigns that encourage reduction, reuse, and recycling through awareness events, informative signage, and student-led sustainability initiatives.

In addition, Polibatam enforces a ban or reduction of single-use plastics in canteens, vending machines, and university events, promoting reusable alternatives. The digitalization of administrative processes further reduces paper use and supports environmentally friendly operations.

These efforts directly support **SDGs 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

Template for Evidence(s)
UI GreenMetric Questionnaire

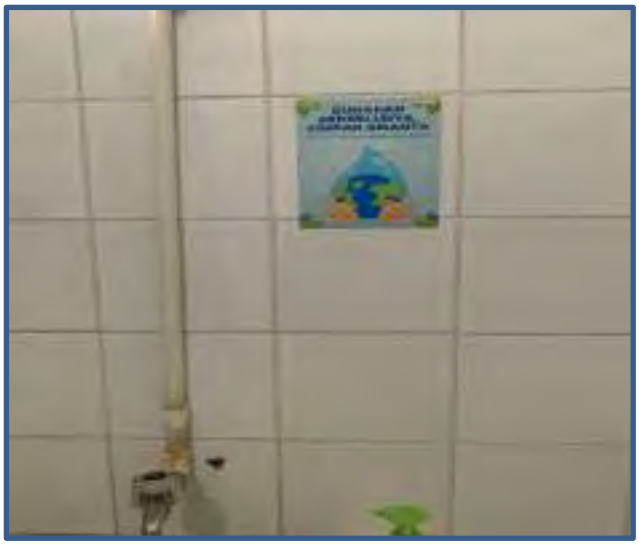
University : Politeknik Negeri Batam
Country : Indonesia
Web Address : https://www.polibatam.ac.id/

[4] Water (WR)

[4.1] Water Conservation Program Implementation

Polibatam implements a comprehensive water conservation program aimed at promoting sustainable water management across the campus. This initiative includes the biopores to enhance groundwater absorption and the reuse of treated wastewater from the Sewage Treatment Plant (STP) for toilet flushing and plant watering, as well as the development of rainwater ponds to collect and utilize rainwater effectively. In addition, Polibatam continuously encourages the campus community to use water wisely through awareness campaigns and reminders on efficient water use practices

Water Conservation Campign



Rainwater Ponds

Biopori

Peta Kolam


PETA LOKASI KOLAM PENAMPUNGAN AIR HUJAN DAN KOLAM PEMANFAATAN HASIL IPAL DI KAMPUS POLITEKNIK NEGERI BATAM
Skala 1:1.200
KETERANGAN
SUMBER DATA
INSET PETA
DIBUAT OLEH
POLITEKNIK NEGERI BATAM
2025

Peta Biopori
Ada 10 biopori dengan jarak 4 meter

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[4] Water (WR)

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

Polibatam has implemented a recycling water program as part of its sustainability initiatives to promote efficient water management on campus. The program utilizes treated wastewater from the Sewage Treatment Plant (STP) for toilet flushing and plant watering

Water Recycling Program (Politeknik Negeri Batam, Indonesia)

Foto kolam penampungan air (recycling water)
Luas area kolam = 414,78 m2

Pemanfaatan Air Daur Ulang untuk Penyiraman tanaman

Description:
Lake water, put into the injection tank and insert chemicals through the dosing pump to be mixed. Then after the water and chemicals are mixed, it is transferred to the water tank and the water is filtered again using carbon sand and collected in the 2nd water tank, then the water is distributed to the water tank on the technopreneur rooftop using a transfer pump.

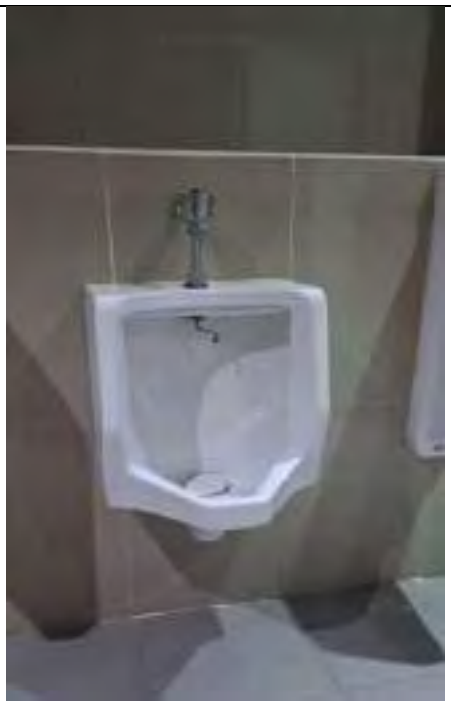
Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[4] Water (WR)

[4.3] Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.) (WR.3)
The recycling water program at Polibatam aims to improve water use efficiency by reusing treated wastewater for non-potable purposes. This initiative supplies recycled water to six toilet flushing systems and for plant irrigation throughout the campus area.



Example of Water Efficient Appliances Usage (Politeknik Negeri Batam, Indonesia)

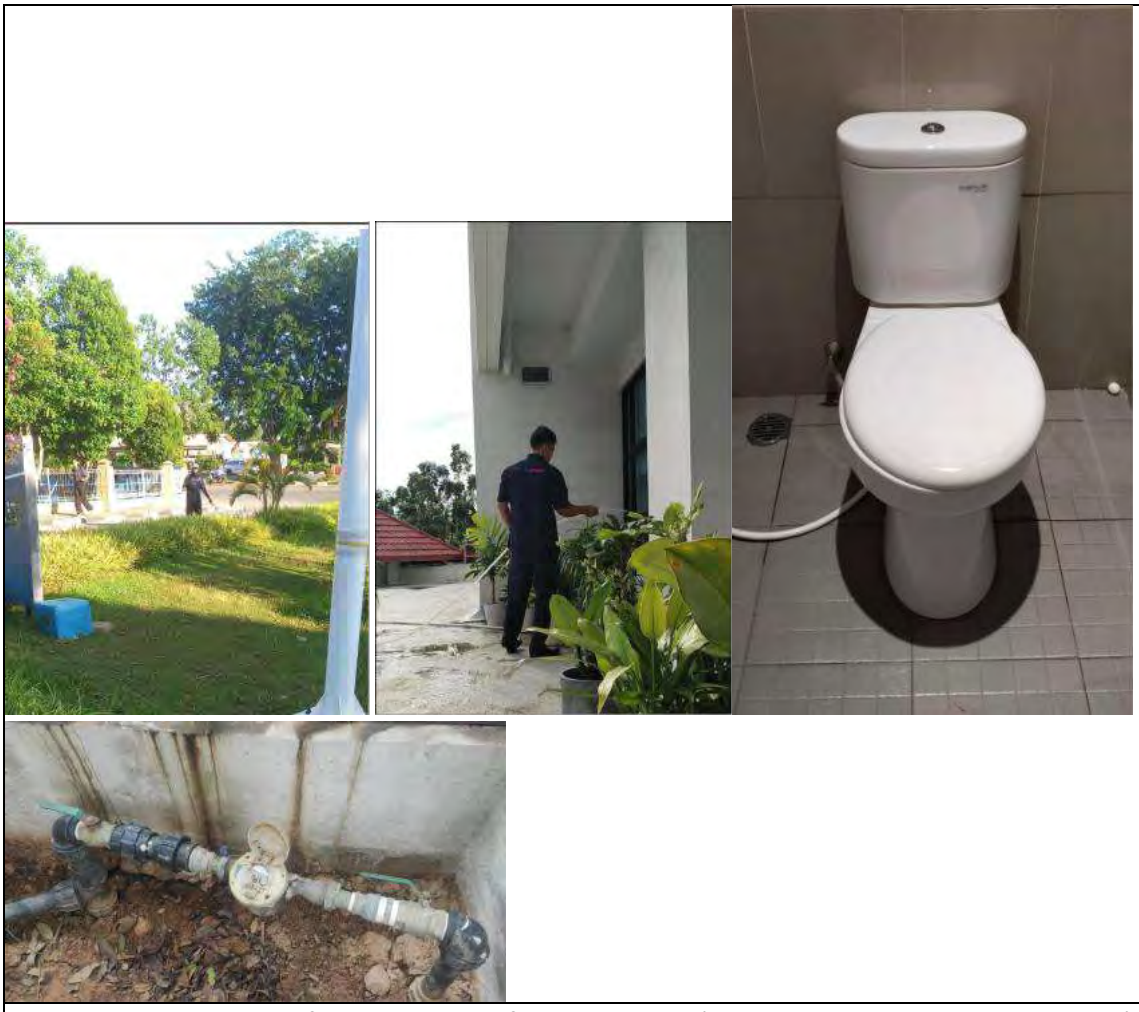
Appliance	Total Number	Total number water Efficient appliances	Percentage
Toilet	6	3 liter/flush 50x usage/day = 3 x 50 x 6 = 900 liter/day = 27.000L/mont h= 27 m3/month	10%
Plant Watering	200	10 L x 200 x 30 days = 60.000 L/month = 60 m3	80%
		Average Percentage	**45%**

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[4] Water (WR)

[4.4] Consumption of treated water (WR.4)



Example of **Consumption of treated water** (Politeknik Negeri Batam, Indonesia)

Description

Consumption Water in 2025 is shown in the following table :

No	Mohth	Consumption Water (m^3)
1	Jan	7536,89
2	Feb	7036,43
3	Mar	4250,30
4	Apr	3838,50
5	May	3661,56
6	Jun	3687,50
7	Jul	5564,50
8	Aug	4656,00
9	Sep	-
10	Oct	-
11	Nov	-
12	Dec	
Average		5.028,96

The percentage of treated water consumed from water consumed :

$$\frac{Volume\ of\ treated\ water\ consumed}{Volume\ of\ water\ consumed}\ x\ 100\% = \frac{87m^3}{5028{,}96m^3}\ x\ 100\% = 1{,}73\ \%$$

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[4] Water (WR)

[4.5] Water pollution control in campus area (WR.5)

Polibatam implements a comprehensive water pollution control program by ensuring that all wastewater generated from campus activities is properly treated before being discharged. The wastewater treatment process follows standardized environmental management procedures to remove contaminants and minimize environmental impact. The quality of the treated effluent is regularly monitored and analyzed to ensure compliance with national water quality standards.

Waste Water Sampling at Polibatam

Description:

Policy

Polibatam has established a standard operating procedure to ensure the proper maintenance and operation of its Sewage Treatment Plant (STP) and reservoir. This is outlined in document IN.26.2.3-V1, Work Instruction for STP and Reservoir Maintenance, which provides detailed guidelines and schedules for routine inspection, cleaning, and servicing of the system.

Work Instruction of STP Maintenace Polibatam

Wastewater Treatment

Polibatam has established three Sewage Treatment Plant (STP) units with capacities of 100 m^3, 150 m^3, and 200 m^3 respectively. These facilities are equipped with an integrated Biotank system that enhances the efficiency of wastewater treatment processes. The implementation of multiple STP units ensures that wastewater generated across different campus areas is properly managed, treated, and recycled in accordance with environmental standards

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%2026%20-%20Pemeliharaan%20dan%20Perbaikan%20Sarana/IN/IN.26.2.3-V2%20Instruksi%20Kerja%20Perawatan%20STP%20dan%20reservoir.pdf

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] Planning, implementation, monitoring and/or evaluation of all programs related to Water Management through the utilization of Information and Communication Technology (ICT) (WR.6)

Pemanfaatan Air Daur Ulang untuk Penyiraman tanaman

Pemanfaatan Air Daur Ulang untuk toilet (Politeknik Negeri Batam, Indonesia)

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 : the existing STP system is fully operational and has been implementing water recycling from the treatment process for non-potable uses

Monitoring : The quality of the treated water, both before and after utilization, is regularly monitored in collaboration with certified testing laboratories to ensure compliance with water quality standards.

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/

[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
3	Cars entering the university	402
4	Motorcycles entering the university	4487
	Total	4.912

5.4 = 4.912 / 5000 (population) =1.02

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 402 cars and 4,487 motorcycles enter the campus daily, resulting in a total of 4,912 vehicles. When divided by the total campus population of approximately 5,000 people, the ratio is 1.02 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.

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)

Jadwal kendaraan polibatam

Januari 2025				
NO	HARI	TANGGAL	KEGIATAN	KENDARAAN
1	Kamis	16 Januari 2025	Kunjungan Pengabduan Masyarakat	Innova
2	Jumat	17 Januari 2025	Kunjungan Jurusan Mesin	Hiace
Februari 2025				
NO	HARI	TANGGAL	KEGIATAN	KENDARAAN
1	Jumat	7 Februari 2025	Pemenuhan kriteria SJPH (Pengajuan Sertifikasi Halal)	Avanza/Innova
2	Rabu-Kamis	5-6 Februari 2025	peminjaman kendaraan Hiace untuk kegiatan uji coba alat geomatika	Hiace
3	Rabu-jumat	5 Februari 2025	Pengantaran CDC (rabu 3 kendaraan 1050,1701,1149) Jumat 1 hiace 1 inova	Hiace + Inova
4	selasa-kamis	4-6 februari 2025	Penjemputan Asesor LPI	Hiace
5	senin-jumat	3-14 Februari	transportasi tamu dari hotel harris batam centre ke polibatam	Innova
6	Selasa-Rabu	11-12 Februari 2025	PMB Disabilitas	Avanza/Innova
7	Selasa, kamis, jumat	11-13-14 Februari 2025	Pengantaran Tim Kerjasama ke PT	Hiace
8	Sabtu-minggu	22-23 Februari 2025	Akademik (jumat diambil)	Avanza/Innova
9	Selasa	18 Februari 2025	Sosialisai PMB Disabilitas	innova
10	Rabu	2/19/2025	Kunjungan Industri	Inova 1+ Hiace
11	Kamis	2/20/2025	Kunjungan	Hiace
12	Sabtu	2/22/2025	Pengantaran BPK	Hiace

13	senin	2/24/2025	Pengantaran Tamu Kerjasama	Hiace
14	Kamis	2/27/2025	Pengantaran MHS ke NongsaDigitalPark	Hiace
15	Jumat	2/28/2025	Kunjungan BMNP	hiace
16	Jumat	2/28/2025	kegiatan PBL Eksternal dengan Bandara Hang Nadim	hiace
Maret 2025				
NO	HARI	TANGGAL	KEGIATAN	KENDARAAN
1	senin	3 Maret 2025	Kunjungan Magang Ke Sumitomo	Hiace
2	Selasa	03/04/2025	Kunjungan ke NDP	innova
3	kamis	6 Maret 2025	pengantaran dan penjemputan dengan mobil Hi Ace ke PT Infineon	Hiace
5	Sabtu-minggu	22-23 Maret 2025	kegiatan struktural MB	innova
6	Selasa	25 Maret 2025	Pengantaran ke Bandara	innova
7	Selasa	25 Maret 2025	Pengantaran ke Bandara	innova
Apr-25				
NO	HARI	TANGGAL	KEGIATAN	KENDARAAN
1	Selasa-kamis	22-24 april 2025	Tamu Intec	Inova
2	Rabu-jumat	23-25 April 25	Kegiatan P3M	inova
3	sabtu	26-Apr-25	Pengantaran Tamu Vietjet	Hiace+inova
4	senin	28-Apr-25	Pengantaran tim P3M keBKKBN	Hiace
5	Selasa	29-Apr-25	Lam	Hiace
6	Selasa	29-Apr-25	Penjemputan tamu singapura	Inova/hiace
May-25				
1	Sabtu-Minggu	3-4 Mei 2025	UMPB Polibatam	Avanza
2	Senin	5 Mei 2025	Seleksi PPPK di Golden view Hotel	Avanza
3	senin-kamis	5-8 Mei 2025	Akreditasi AK	Innova
4	sabtu-Minggu	17-18 mei 2025	survey hewan qurban	Avanza
5	Minggu	18 Mei 2025	Gathering Ormawa	Pic up 8015 DC
6	Jum'at	21 mei 2025	Gebiar HMTI	Pic up 8015 DC
Jun-25				
1	Senin	2 juni 2025	Pengantaran ke sumitomo	Inova
2	Senin	2 juni 2025	Pengantaran Tamu pak Bambang	Altis
3	Rabu	4 juni 2025	Pengantaran ke Kantor Walikota	Inova
4	Kamis	4 Juni 2025	Pengambilan dokument ke kantor pemko	inova
5	Jumat	6 juni 2025	Pengantaran tamu francis	inova
9	selasa	10 juni 2025	Pengambilan dokument ke kantor pemko	Rush
10	Rabu	11 juni 2025	Pt. Cladtek Batu Ampar	Hiace
11	Rabu	11 juni 2025	Kunjungan ke SMP 38	Hiace
12	Rabu	11 juni 2025	Pengambilan dokument ke PT SAT NUSA PERSADA	Etios
13	Kamis	12 Juni 2025	Kunjungan Ke SMP 65 Tanjung Uncang	Hiace
14	kamis-sabtu	12-14 Juni 2025	Penjemputan tamu KIP	avanza/inova
15	kamis	12 juni 2025	pengabdian	Etios

16	kamis	12 juni 2025	kunjungan	Avanza
17	kamis	12 juni 2025	Pengantaran tamu KIP	Inova
18	jumat	13 Juni 2025	Pengantaran tamu KIP	Inova
21	jumat	13 Juni 2025	Kunjungan PT	Innova
22	minggu	15 Juni 2025	Tamu BLU Musamus	Hiace
23	senin	6/16/2025	Kerjasama	Innova
24	Senin	16 Juni 2025	Tamu BLU Musamus	Hiace
25	Selalsa	17 Juni 2025	Kunjungan	avanza
26	Selalsa	17 Juni 2025	Tamu BLU Musamus	Hiace
27	Rabu	18 Juni 2025	Kunjungan Ke SMPN 4 Bengkon	Hiace
28	Rabu-sabtu	18-21 2025	Tamu Pengadaan	Innova
29	Kamis	19 Juni 2025	Tamu BLU Musamus	Innova
30	Jumat	20 Juni 2025	Tamu BLU Musamus	Innova
31	Sabtu	21 juni 2025	Tamu BLU Musamus	Innova
32	Kamis	19 Juni 2025	Kunjungan Ke SMPS Advent Sagulung	Inova
33	Kamis	19 Juni 2025	Kunjungan McDermott	Hiace
34	Kamis	19 Juni 2025	Tamu Pengadaan Tender	Inova
35	Jumat-Minggu	20 - 22 Juni	Pengantaran tamu Pak UUF	Rush
36	Sabtu-Minggu	21-22 Juni 2025	Ujian PMB	Avanza
37	Rabu	25 juni 2025	Pajak 5 tahuan dan ganti aki	Avanza
38	kamis	26 juni 2025	Pajak 5 tahuan	Avanza
39	sabtu	27 juni 2025	Penjemputan tamu pak zen	Hiace
40	senin	23 juni 2025	Kunjungan Ke SMP 59 Sagulung	Hiace
41	senin-Rabu	30-2 juli 2025	Pengantaran Mhasiswa	2 Hiace
Juli				
1	senin-Rabu	30-2 juli 2025	Pengantaran Mhasiswa	2 Hiace
2	Rabu	2 juli 2025	Pengantaran Dosen	innova
3	Sabtu	5 Juli 2025	Pengantaran tim robot	Hiace
4	Senin-minggu	7 - 13 Juli 2025	Pengantaran itjen	Hiace
5	kamis-sabtu	10 - 12 Juli 2025	Tamu P3M	Inova
6	Senin-jumat	7 - 11 Juli 2025	service berkala	Hiace,avanza,dll
7	Senin-rabu	14 - 16 Juli 2025	Pengantaran itjen	Hiace
8	senin-kamis	14-17 Juli 2025	Mobilisasi PV	Etios
9	Selasa	15 Juli 12025	MOU ke Mcdermot	Inova
10	Rabu-sabtu	15-18 juli 2025	Akreditasi lapangan	Inova
11	rabu	16 Juli 2025	UPA PP	avanza
14	jumat	25 Juli 2025	Antar jemput Dirjen Pendidikan Vokasi	zenik
15	jumat	25 Juli 2025	Antar jemput tim kerjasama	Hi ace
16	Sabtu	26 Juli 2025	Antar jemput forum Pudir 2	2 Hiace + Innova
17	Sabtu-minggu	26-27 Juli 2025	UMPB	Avanza

18	senin	28 Juli 2025	antar Jemput tamu monev berdikari	Hi ace
19	Selasa-kamis-jumat	29 juli 1 Agustus 2025	Sertikom Prodi Akuntansi dan Akuntansi Manajerial	Hiace + Innova
Aug-25				
1	Jumat	1 Agustus 2025	Turnamen Futsal	hiace
2	jumat	1 Agustus 2025	Kunjungan PT BAI (anter jempud ke punggur)	Inova
3	jumat	1 Agustus 2025	Pengadaan	inova
4	jumat-minggu	1-3 agustus 2025	BPSDM	Hiace
5	Minggu-Selasa	3-5 agustus 2025	Persiapan Desk Evaluation ZI olehBiro OSDM Kemdiktisaintek	Innova
6	senin	4 Agustus 2025	Pengantaran ORMAWA dari Poltek ke Barelang	Hiace
7	Selasa-kamis	5-21 Agustus 2025	Mobilisasi PV	Avanza
8	Jumat	8 Agustus 2025	Penjemputan ORMAWA dari Barelang ke Poltek	Hiace
9		9 -14 Agustus 2025	Penjemputan ROboroarz	Inova
10	senin	11 Agustus 2025	Antar jemput tamu malaysia, tim SBUM dan ibu Direktur	Altis
11	Selasa	12 Agustus 2025	stand bye tamu, antar jemput ibu Direktur	Hiace
12	jumat	15 Agustus 2025	Pengantaran ORMAWA dari Poltek ke Barelang	Hiace + innova
13	Jumat	15 Agustus 2025	PWRC	Pickup
14	Sabtu	16 Agustus 2025	persiapan upacara 17 agustus 2025	innova
15	minggu	17 Agustus 2025	Penjemputan ORMAWA dari Barelang ke Poltek	Hiace
16				
17	selasa	19 Agustus 2025	Pengantaran ORMAWA dari Poltek ke Barelang	Hiace
18	selasa-kamis	19-21 Agustus 2025	Pagelaran Vokasi (Pnjemputan Menteri Kemdikbudsaintek)	Hiace + innova
19	Jumat	22 Agustus 2025	Penjemputan ORMAWA dari Barelang ke Poltek	Hiace
20	Sabtu	23 Agustus 2025	Antar-Jemput Ormawa(KUAS)	Hiace
21	senin	25 Agustus 2025	Pengantaran ORMAWA dari Poltek ke Barelang	Hiace
22	rabu-jum'at	27-29 Agustus 2025	antar-jemput tim survey kepuasan masyarakat bp batam	Hiace
23	rabu	27 Agustus 2025	antar-jemput tim akreditasi IF	Hiace

24	Jumat	29 Agustus 2025	Penjemputan ORMAWA dari Barelang ke Poltek	Hiace
Sep-25				
1	selasa-kamis	02-04 September 2025	antar-jemput tim survey kepuasan masyarakat bp batam	Hiace
2	Jumat-minggu	5-7 sep 2025	Tamu UGM	Inova
3	Rabu	09/03/2025	Kunjungan SMA ULIL ALBAB	Etios
4	kamis-minggu	09/04/2025	BPK	
5	jumat	18-Sep-25	Batamindo pengecekan gedung	Etios
6	minggu	21 septemebr	tamu vietnam	Hiace
7	Senin	22-Sep-25	Berdikari	Inova
8	senin	29-Sep-25	Antar mahasiwa ke barelang dan ibu Direktur	Altis
9	senin	29-Sep-25	Antar-jemput pak imam ke barelang	innova
OKTOBER-2025				
1	rabu	1 Oktober 2025	Survey harga bak mobil pick up BP 8015 DC ke Indomobil baloi dan antar jemput ibu pak bambang	Altis
2	Kamis	2 dan 6 Oktober 2025	Kunjungan ORmawa	Hiace
3	Kamis	2 Oktober 2025	Kunjungan EL	Hiace
4	Kamis	2 Oktober 2025	Kunjungan IF	Innova
5	jumat	3 Oktober 2025	Pengurusan dokument ke BANK BNI 46	Hiace
6	sabtu	4 Oktober 2025	antar Jemput tamu vietnam	Hiace & Inova
7	Senin-Rabu	(Tgl 6,7,8 Oktober 2025 & (Tgl 13, 14,15 Oktober 2025)	GMF	Inova
8	senin	6 Oktober 2025	Breffing, antar jemput Tim PBM Ke batamindo dan pengurusan pajak 7058	innova
9	senin	6 Oktober 2025	pengantaran mahasiswa ke batu aji	hi ace
10	rabu	8 Oktober 2025	antar-jemput dosen EL, Mesin, IF Ke Mc Dermot, Pajak 7058	hi ace
11	kamis	9 Oktober 2025	Pengantara Dosen MB Ke Mc Dermot, Pajak 7059	hi ace
12	kamis	9 Oktober 2025	pengantaran mahasiswa ke yayasan darusalam batu aji	hi ace
13	Kamis - Jum'at	9-10 Oktober 2025	Kunjungan Industri Dan Fokus Group Discusion perumusan problem	
14	Jumat	10 Oktober 2025	antar-jemput Direktur Politenik Negeri Batam	Altis

15	senin	13 Oktober 2025	antar-jemput Direktur Politenik Negeri Batam	Altis
16	selasa	14 Oktober 2025	antar-jemput Direktur Politenik Negeri Batam	Altis
17	rabu	15 Oktober 2025	antar jemput Direktur Otorita Borobudur (Pak Angin)	Altis
18	kamis	16 Oktober 2025	antar jemput Direktur Otorita Borobudur dan senat Poltek Medan	Altis dan hi ace
19	Kamis	16 Oktober 2025	Diktisaintek	hi ace
20	kamis-sabtu	16-18 Oktober 2025	Tamu Senat Medan	Hiace
21	senin-rabu	20-22 Oktober 2025	Pengantaran paenjemputan Tamu Biro Keuangan dan BMN Sintek DIKTI	Hiace+inova
22	senin	20 Oktober 2025	antar-jemput Direktur Politenik Negeri Batam	Altis
23	selasa	21 Oktober 2025	antar-jemput Dosen Teknik Mesin Politenik Negeri Batam ke Botania	Hiace
24	Rabu-senin	22-27 Oktober 2025	Sertifikasi MB	Hiace
25	Senin-Selasa	27-28 Oktober 2025	Pengabdian Masyarakat MB	Hiace
26	Senin-Selasa	27-28 Oktober 2025	asesor MET	Inova
27	senin-jumat	27-31 oktober 2025	icodse	avanza
28	rabu dan jumat	29 dan 31 oktober	Icae	Inova
29	kamis	30 oktober 2025	Icae	Hiace
30	Jumat	31 Oktober 2025	Pengabdian IF	Hiace

Jadwal bus

Description:

Politeknik Negeri Batam provides regular shuttle services using several campus vehicles, including Hiace, Innova, Avanza, and Altis, to support academic, administrative, and community activities. These vehicles are scheduled monthly and serve various purposes such as industry visits, accreditation logistics, guest transportation, community service projects, and student mobility to partner institutions or companies.

The shuttle system ensures efficient coordination across departments and reduces the need for private vehicle use within the campus. It also supports students with disabilities and visiting lecturers, ensuring inclusive and accessible transportation. Managed by the Facilities Unit through a centralized scheduling and monitoring system, the service emphasizes safety, fuel efficiency, and regular maintenance.

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)

	
Motor Listrik Mahasiswa	Sepeda
	
Motor Listrik Patroli	Motor Listrik Patroli

Description:

No	Zero Emission Vehicle Type	Total
1	Sepeda	1
2	Motor listrik	2

Politeknik Negeri Batam promotes sustainable and eco-friendly transportation through the use of Zero Emission Vehicles (ZEVs) across campus. The institution provides and maintains several electric motorcycles used for campus patrol activities and internal mobility, as well as bicycles that can be used by students and staff for short-distance travel within campus areas.

These initiatives are part of Polibatam's effort to reduce carbon emissions and support a low-carbon mobility culture. The campus is designed to be pedestrian- and cyclist-friendly, with designated paths and open spaces that encourage non-motorized and zero-emission transportation.

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[5] Transportation (TR)

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

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Limiting parking</td><td>Limiting parking</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td> 
</td><td>Lajuu adopts the concept of carpooling or community vehicle sharing. Users living on the same route can connect with each other to share rides when going to and from campus or work. This concept is considered highly relevant for application in the Polibatam environment, which has a large number of students and employes. Mahasiswa Polibatam Ciptakan Aplikasi “Lajuu”, Fokus pada Efisiensi Transportasi Komunitas Kampus – Politeknik Negeri Batam</td></tr>
</table>

Description:

As part of its plan for sustainable transportation, Politeknik Negeri Batam has taken steps to limit and slowly shrink the parking area on campus. The goal of these efforts is to get students and staff to use fewer private cars, cut down on carbon emissions, and encourage more environmentally friendly ways to get to work.

The campus has a controlled parking policy that limits certain areas to only essential vehicles and discourages people from using their own cars too much. At the same time, Polibatam promotes public and shared transportation through several programs, such as:

Ride-sharing programs like the "Lajuu" app, which was created by students, let people who are going to and from campus along the same routes share rides. This program makes transportation more efficient and cuts down on the number of cars that come onto campus.

The campus's walkable layout and easy-to-reach paths encourage people to use non-motorized forms of transportation like walking and biking.

Campaigns to raise awareness and partnerships with local transportation companies to promote public and community-based transportation options for daily commuting.

These projects are in line with Polibatam's goal of lowering its transportation footprint and promoting a culture of shared mobility and living sustainably. Supporting evidence consists of policy documents, application demonstrations, and pertinent media coverage that emphasizes student innovation and the institution's dedication to sustainable transportation.

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[5] Transportation (TR)

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

Mobil Hiace untuk antar jemput
Motor listrik digunakan untuk patroli

Description:

1. Shuttle/bus campus inside campus
2. Free to rent bicycle on campus
3. Use of public transportation such as Trans Batam

Politeknik Negeri Batam has started a number of environmentally friendly transportation programs on campus to cut down on the use of private cars. These programs are meant to lower carbon emissions, make things easier to get to, and encourage students and staff to use public transportation more efficiently.

The actions that were taken include:

1.Campus Shuttle Service (Hiace Vehicles): A specific shuttle system on campus that uses Hiace vans to take students, staff, and guests to and from important places on and around the campus. This reduces the need for private cars.

2. Electric Motorcycles for Campus Patrols: Campus security teams use electric patrol vehicles instead of regular fuel-based motorcycles, which helps lower greenhouse gas emissions.

3.Encouragement of Public Transport and Ridesharing: The campus community is encouraged to use Trans Batam public buses and ride-sharing services for their daily commutes, and there are easy-to-reach transit points near the campus.

4.Facilities that are friendly to pedestrians and cyclists: There are paths for walking and areas for bicycles to park to encourage people to move around campus without using a car for short distances.

5. These transportation projects show that Polibatam is still working to make campus mobility management more environmentally friendly. The programs help the school reach its larger goal of lowering its carbon footprint and encouraging eco-friendly commuting habits among students and staff.

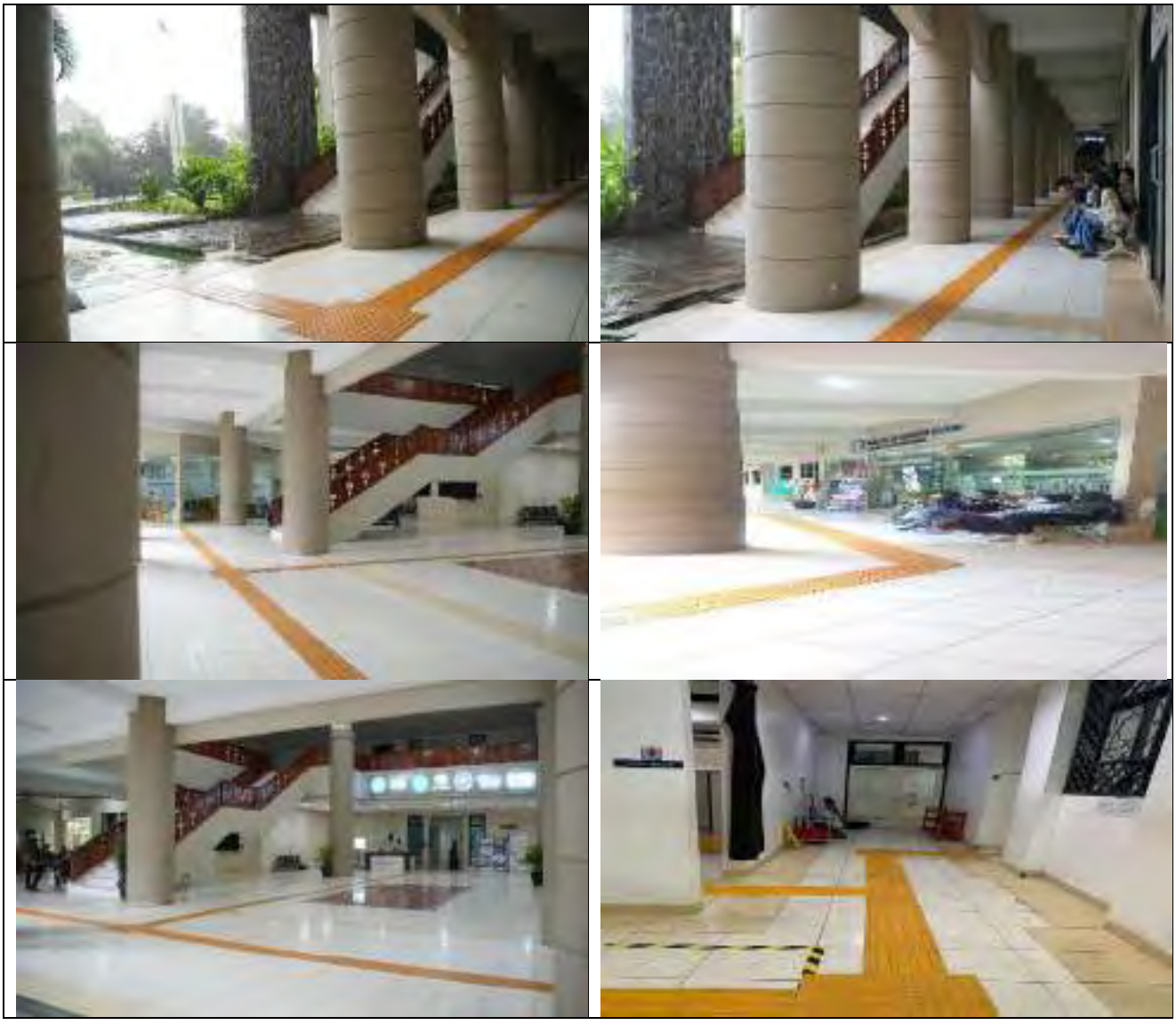
Template for Evidence(s)
UI GreenMetric Questionnaire

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)

Aksesibilitas untuk difabel



Jalur Landai

	
Gedung Utama	**Gedung Utama**
	
Gedung Technopreuner	**Gedung Tower A**

Trotoar

Petunjuk Arah

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:

To make sure that people with disabilities, including those who use wheelchairs, can get around, there are ramps and gradual inclines (jalur landai).

Tactile paving and guiding blocks to help blind and visually impaired people safely walk around campus. For safety, there are physical barriers and clear signs that show the difference between pedestrian paths and vehicle roads.

Directional signs and wayfinding systems that help people get from one building or facility to another quickly and easily.

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.

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] Planning, implementation, monitoring and/or evaluation of all programs related to Transportation through the utilization of Information and Communication Technology (ICT) (TR.9)

Stages	Activities/Programs	Utilization of ICT	Evidence	Schedule Waktu	Team/Department Responsible
Planning	Developing a digital campus transportation plan that is environmentally friendly and efficient.	Digital surveys, campus mapping systems, and online data collection applications.	Transportation plan documents, results of mobility need surveys.	Jan – Jun 2025	Perencanaan dan Kerja Sama, SBUM, UPA TIK.
Implementation (initial stage)	Development of an internal transportation information system displaying data on walking routes, parking areas, and shuttle points.	Web-based interactive campus map and digital dashboard.	Prototype of a campus transportation information system.	Jul – Dec 2025	UPA TIK, SBUM
Monitoring (pilot project)	Conducting system trials and monitoring the mobility of campus residents.	Dashboard monitoring based on parking sensor data or QR check-in.	Test results report, system usage data.	Jan – Mar 2026	UPA TIK, SBUM
Evaluation and Development	Evaluating the effectiveness of the transportation	System-based data analysis,	Evaluation report and	Apr – Jun 2026	Perencanaan, SBUM.

	information system and developing a full implementation plan.	online user satisfaction surveys.	recommendations for improvement.		

Description:

- **Planning:** Assess the transportation needs of the campus community and plan efficient shuttle routes to meet these needs. Utilize transport planning software to analyze data on campus traffic, student and staff schedules, and optimal shuttle routes.
- **Implementation:** Deploy shuttle services according to the planned routes and launch a mobile app for real-time shuttle information. Use GPS tracking for shuttles and a shuttle scheduling app to provide real-time updates to users.
- **Monitoring:** Track shuttle usage and optimize routes based on usage data. Employ real-time tracking software to monitor shuttle locations and passenger numbers.
- **Evaluation:** Evaluate the efficiency and effectiveness of the shuttle services. Use data analysis tools to assess performance metrics and gather user feedback through surveys.

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

Politeknik Negeri Batam uses Information and Communication Technology (ICT) in the planning, implementation, monitoring, and evaluation of transportation programs to help students get around campus in a way that is both sustainable and efficient. The goal of these projects is to improve transportation management, cut down on the need for private vehicles, and encourage data-driven decision-making for a greener campus.

Planning: The school uses digital surveys, and mobility needs assessments to find out how students and staff get around. Using mapping systems and online data collection tools, a digital campus transportation plan is made that includes shuttle and pedestrian pathways that are good for the environment and get people where they need to go quickly.

Implementation: We're making an interactive web-based campus transportation information system that will show walking paths, parking lots, and shuttle stops. To manage transportation operations and give campus users real-time information, ICT tools like GPS tracking, QR-based check-ins, and digital dashboards are used.

Monitoring: A pilot project uses dashboard monitoring systems that get data from parking sensors and QR check-ins to keep track of how people and vehicles move around campus. The data we collected helps us find the best routes and get the most out of our vehicles.

Evaluation: Data analytics and online user satisfaction surveys are used to assess the transportation system's performance and effectiveness. The feedback is used to improve future implementation and make a full-scale smart transportation plan for Polibatam.

These ICT-based projects show that Polibatam is dedicated to using smart mobility solutions that follow the rules of sustainable transportation and the UI Green Metric environmental indicators.

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[5] Transportation (TR)

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




Description:
Politeknik Negeri Batam (Polibatam) actively promotes sustainable and low-emission transportation as part of its Green Campus Initiative. The campus operates electric motorcycles for campus mobility and daily patrols, demonstrating a shift toward cleaner and more energy-efficient operational practices.
In addition, Polibatam provides bicycles for campus mobility, which are used by both staff and students to move between buildings efficiently while reducing vehicle dependency and carbon emissions. Bicycle racks and supporting facilities are available across the campus area to encourage the use of non-motorized transportation.
Polibatam students have also developed an innovative carpooling digital platform called “Lajuu”, designed to connect users traveling on similar routes to share rides. This system reduces the number of private vehicles on campus, helps minimize traffic, and promotes community-based, sustainable mobility.
These initiatives align with several Sustainable Development Goals (SDGs), including:

1. SDG 7 – Affordable and Clean Energy: promoting the use of energy-efficient vehicles.
2. SDG 11 – Sustainable Cities and Communities: fostering inclusive, accessible, and low-carbon mobility.

3. SDG 13 – Climate Action: reducing emissions from campus transportation.
4. SDG 17 – Partnerships for the Goals: strengthening collaboration and innovation for sustainable mobility solutions.

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):

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

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 Selekta	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
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
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
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	Pemeliharan 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
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	Akuntasi	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
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 2024-2025

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 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	1. Aset 3D Prosedural 2. Digital Compositing 3. Efek Digital & Simulasi 4. Kesehatan dan

			Education SDG 10 (Reduced Inequalities)	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 untuk Reseller Aksesoris	SDG 8 (Decent Work and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure) SDG 5 (Gender Equality) SDG 11 (Sustainable Cities and Communities)	1. Pengantar Proyek Perangkat Lunak 2. Pengantar Teknologi Informasi 3. Dasar Pemograman Web 4. Dasar Pemograman 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,	1. Sistem Informasi Geografis Lanjut 2. Aplikasi Geomatika

			Innovation and Infrastructure) SDG 16 (Peace, Justice and Strong Institutions) SDG 13 (Climate Action)	
12	Teknik Informatika	Aplikasi Web Eco Enzim	SDG 12 (Responsible Consumption and Production) SDG 13 (Climate Action) SDG 4 (Quality Education) SDG 11 (Sustainable Cities and Communities)	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
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	Graphicc 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
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 Selekta 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 Selekta 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	1. Kapita Selekta 2. Pendidikan Kewarganegaraan 3. Metode Penelitian

			Consumption and Production)	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 Selekta 4. Kewirausahaan 5. Proyek Perangkat Lunak Industri 6. Pendidikan Kewarganegaraan 7. Instalasi dan Perawatan Perangkat Lunak 8. Pengujian Perangkat Lunak 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: Advanced Personalization	SDG 3 (Good Health and Well-Being) SDG 4 Quality Education SDG 9 (Industry, Innovation and Infrastructure)	1. Proyek Perangkat Lunak Industri 2. Pengujian Perangkat Lunak 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 Selekta 3. Metodologi Penelitian 4. Kewirausahaan 5. Menulis Bahasa Inggris 6. Kewarganegaaan
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	SDG 3 (Good Health and Well-Being) SDG 11 (Sustainable	1. Proyek Perangkat Lunak Industri 2. Mata Kuliah Pilihan Mobile

		Kebersihan Kota Batam -Trashify	Cities and Communities) SDG 12 (Responsible Consumption and Production)	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 and Economic Growth) SDG 9 (Industry, Innovation and Infrastructure)	1. Aset 3D Karakter 2. Bisnis Animasi 3. Karakter Animasi 3D 4. Komunikasi Bahasa Inggris 5. Mekanika Gerak Digital 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 Inggis untuk Bisnis
37	Teknik Informatika	Pemanfaatan Teknologi Virtual Reality dan Unreal Engine Sebagai Media Inovatif dalam Proses Rehabilitas Pasien Trauma	SDG 3 (Good Health and Well-Being) SDG 9 (Industry, Innovation and Infrastructure)	1. Otomasi Animasi 2. Pendidikan kewarganegaraan 3. Pendidikan Pancasila 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. Instalasasi 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. Instalasasi 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)	1. RE301 Robotics Design & Fabrication 2. RE302 Introduction to Robotics 3. RE303 Design and

			SDG 8 (Decent Work and Economic Growth) SDG 10 (Reduced Inequalities)	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, Innovation and Infrastructure) SDG 4 (Quality Education) SDG 8 (Decent Work and Economic Growth) SDG 11 (Sustainable Cities and Communities)	1. RE301 Desain dan Fabrikasi Robotika 2. RE302 Pengantar Robotika 3. RE303 Desain dan Simulasi 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 Akuator 4. Seminar proposal 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 Monitoring Module Assembly	SDG 9 (Industry, Innovation and Infrastructure) SDG 12 (Responsible Consumption and Production)	1. Proyek Manufaktur Elektronika Semi Otomatis 2. Devais Elektronika 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. SimulasikanRangkaian 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)	1. Elektronika Analog 2. Sensor dan Sistem Akuisisi Data 3. Proyek Pengukuran dan Akuisisi Data

			SDG 4 (Quality Education)	4. Pemograman sistem terbenam 5. Supervisory control and data acquisition dan Distributed Control System 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. Pemeliharan 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)	1. Pemrograman Berorientasi Objek 2. Bahasa Inggris Komunikasi

			SDG 9 (Industry, Innovation and Infrastructure)	3. Aplikasi Elektronika 4. Pendidikan Kewarganegaraan 5. Desain Sistem Industri
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 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 Indojaya	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 401Simulasi Rangkaian Elektronika 3. TRE 402Pemeliharaaan Perangkat Elektronika 4. TRE 403 Programmable Logic Controller 5. TRE 404Pemograman Berorientasi Objek 6. TRE 405 Aplikasi

				7. KU2TRE Bahasa Inggris 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 Piezqelektrik 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. Pemograman 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	Floot 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 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. Pengolanan 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 Metode Whole Body Measurement	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 5. Pendidikan Kewarganegaraan/ PK3MK

				6. Pendidikan Bahasa Indonesia/ PK4MK
75	Teknik Elektro	Analisis Efektivitas Panel Surya dengan Mekanisme Tracking dalam Meningkatkan Efesiensi 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
79	Manajemen Bisnis	Aplikasi Tax Mobile Education	SDG 4 (Quality Education) SDG 9 (Industry,	1. Skripsi 2. Pengantar Perpajakan 3. Akuntansi Perusahaan Jasa

			Innovation and Infrastructure) SDG 8 (Decent Work and Economic Growth)	
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. Akuntasi 9. Sistem Informasi Akuntansi 10. Auditing
82	Manajemen Bisnis	Inovasi Hand Cream Pelembab Kulit dari Buah Pelepah 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
84	Manajemen Bisnis	RISET PENGEMBANGAN DESA WISATA MANGROVE	SDG 8 (Decent Work and Economic Growth) SDG 9 (Industry,	1. Metode Penelitian 2. Kewirausahaan 3. Manajemen Proyek

			Innovation and Infrastructure) SDG 13 (Climate Action)	
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:
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.

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

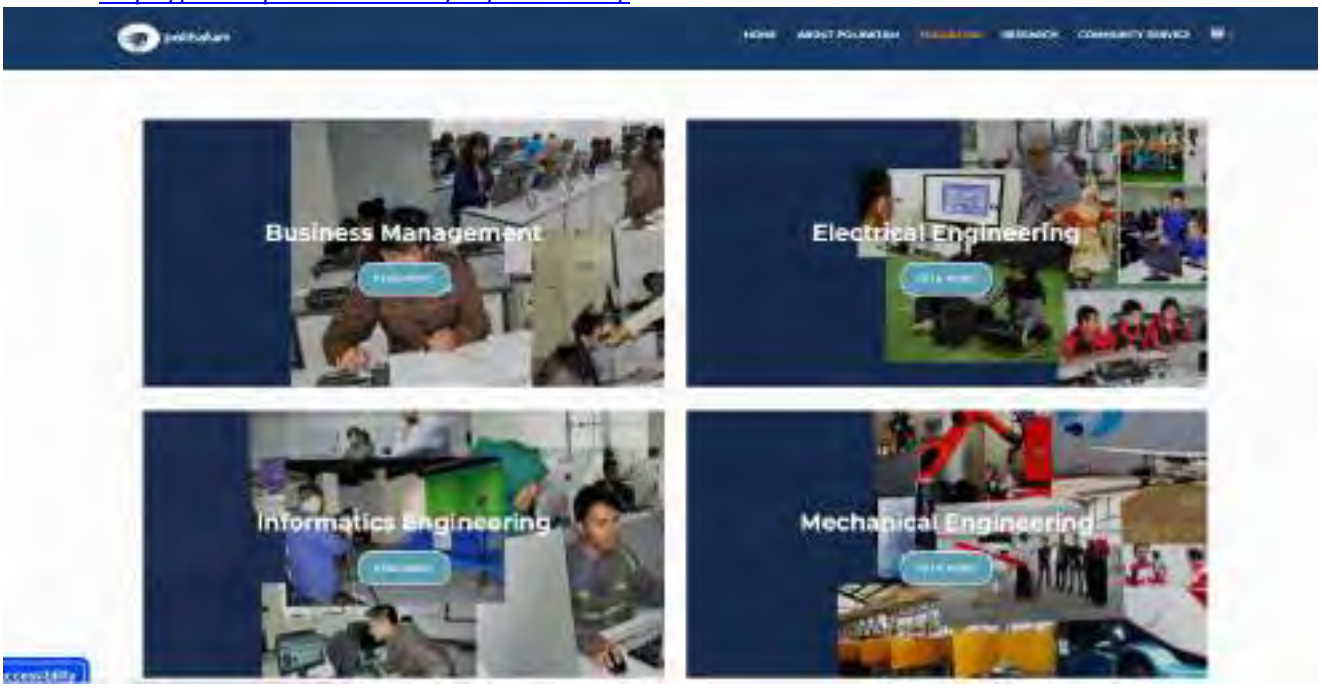
Description:

Number of study program related to sustainability offered: 25

This evidence provides a list of study programs whose changes have been approved through the Curriculum Refreshment program which aims to embed sustainability into all course content and modules offered by Politeknik Negeri Batam.

Additional evidence link:

1. https://www.polibatam.ac.id/en/education/

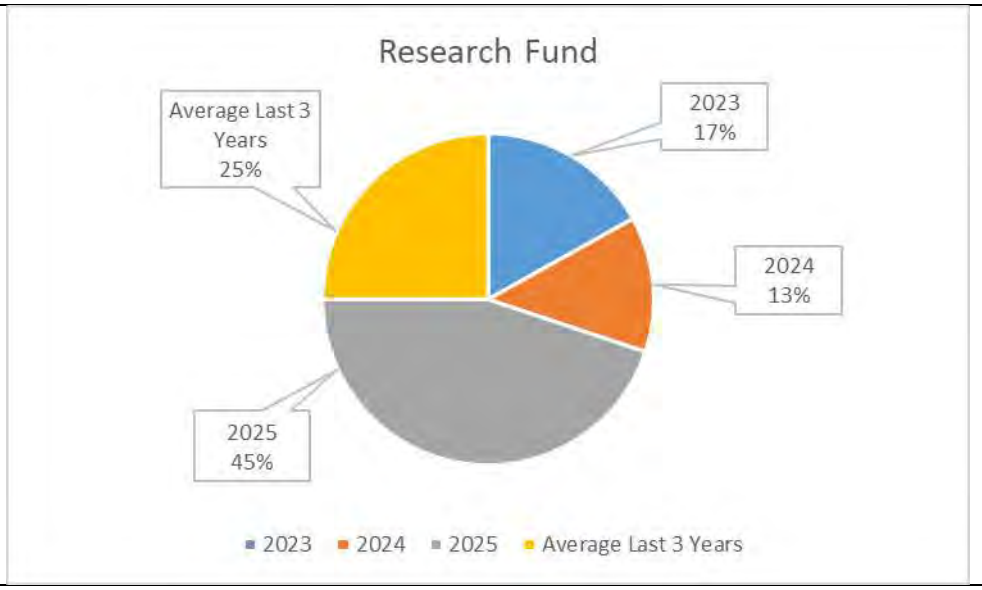


Template for Evidence(s)
UI GreenMetric Questionnaire

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)



Research Fund (Politeknik Negeri Batam, Indonesia)

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.

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
The averaged annum last 3 years of research fund dedicated to sustainability research = 132359,1633 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:
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
The averaged annum last 3 years of research fund = 132359,1633 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	Nama Jurusan	Total Dosen	Jumlah Dosen Mengikuti Penelitian 2025
1	Teknik Informatika	77	53
2	Teknik Mesin	71	18
3	Teknik Elektro	68	17
4	Manajemen Bisnis	87	31
Total		**303**	**119**

Description:
Politeknik Negeri Batam has 303 lecturers consisting of 4 departments, in 2025 there are 6 research programs consisting of 25 research titles.

Additional evidence link: https://docs.google.com/spreadsheets/d/1EDtInsRs-C4HpcCgS34lGi2R0GtqPBSq/edit?usp=drive_link&ouid=118097952538751108391&rtpof=true&sd=true

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

Google Scholar

Description (Last update: 2025-10-23)**:**

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

2025: 54

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	**303**
Total scholarly publication in one year period	**54**

Description:
Total number of sustainability/environmental publications based on Google Scholar data:
2025: 54

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

= 54/303
= 0.18

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/

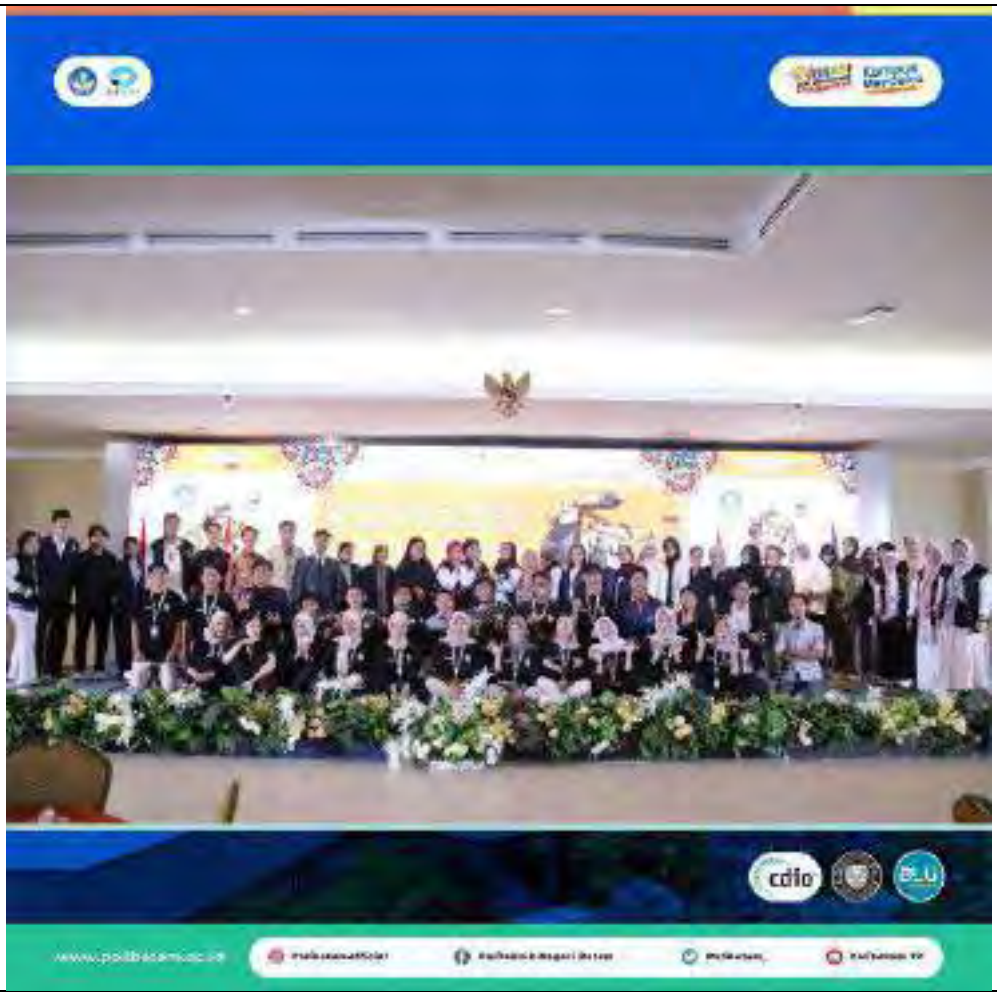
[6] Education and Research (ED)

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

Link Web: https://icodse.org/


Kampus Merdeka
International Conference
On Applied Ecnomics
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
Web of Science
MEDLINE
PMC
ULRICHSWEB
conference.polibatam
icaess.polibatam.ac.id
icaess@polibatam.ac.id


cdio



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/DB8R6v9TIl9/?img_index=1

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

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

Jurnal Integrasi
(https://jurnal.polibatam.ac.id/index.php/JI/search/index?query=environment&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=)

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 83. e-ISSN: 2548-9836

Status Akreditasi SINTA 3 - JAEMB telah terindeks Sinta dan disertifikasi sebagai Jurnal Terakreditasi oleh Kementerian Riset, Teknologi, dan Pendidikan Tinggi Republik Indonesia berdasarkan SK No. 200/M/KPT/2020 tanggal 23 Desember 2020 berlaku dari Vol 8 No 1 (2020).

View Journal | Current Issue

Green Supply Chain Management (GSCM) Practices on Sustainability Performance in the Manufacturing Industry of Batam City

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2025-07-31

Decoding Worldwide Trends on Cooperatives and their Economic Influence: A Bibliometric Analysis from 2015-2025

Muchammad Shubchi Fadhilah Ramadhan, Hamdan Ardiansyah — 69-79
2025-07-31

CEO Characteristics, Board Gender Diversity, and ESG Performance: Evidence from Indonesia

Zulfa Devina Rahman, Bambang Eko Samiono, Reza Putra Gemilang — 132-139
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Analisis Penerapan Organisasi Pembelajaran pada PT Studio Mineral Batubara (SMB)

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2024-07-31

Determine of Employee Performance Study Case PT Interplex Precision Batam

Nanik Lestari, Rina Sondang Lusiomy Hutasoit — 127-136
2025-07-31

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Jurnal Akuntansi, Ekonomi dan Manajemen Bisnis

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

(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

View Journal Current Issue

Evaluation of Coordinate Position Precision Using GNSS NEO SERIES and GSM SIM 7000E Modules

Hollanda Arief Kusuma, Yunita Irnawati, Fadli Aulia Aflaha, Muhd. Ridho Baihaqie

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Ionic Geosparialization and Hydrochemical Characterization of Water Resources around Selected Petroleum Producing Areas in South-Southern Nigeria

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2024-08-11

Comparative Analysis of the Semantic Conditions of LoD3 3D Building Model Based on Aerial Photography and Terrestrial Photogrammetry

Muh Aprilansyah, Harintaka Harintaka

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TSS (Total Suspended Soil) Analysis Using GEE (Google Earth Engine) Cloud Technology in Sibolga Waters

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Spatio-Temporal Analysis of Ilorin Airport on the Land-Use of Ilorin Metropolis, Southwestern Nigeria

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2023-11-07

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Journal of Applied Geospatial Information (https://jurnal.polibatam.ac.id/index.php/JAGI/search/index?query=environment&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=)

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

Indexing : DOAJ, Sinta3, Ebsco, etc

View Journal Current Issue

Modeling Productive Land Determination Using Entropy–Mabac Method Based on Multicriteria Data in Central Java Province

Mubatun Nafisah, Saifur Rohman Cholil

2025-08-16

Enhancing ESG Insights Using Machine Learning: A Case Study of Top Performing Banks in Indonesia

Dean Tirkaamiana, Satrio Samudro Aji Basuki

2025-08-16

Development of an IoT-Based Mobile Plastic Shredder for Optimized Waste Management in Batam

Ansarullah Lawi, Aulia Agung Dermawan, Dwi Ely Kurniawan , Yuni Roza, Thania Ardilla, Jaswir ,

2025-03-25

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Design of an IoT-Based Air Quality System with Web Integration in a Palm Oil Mill Environment

Sigid Nur Rohim, Uyock Anggoro Saputro

2025-09-09

A Real-Time Hand Gesture Control of a Quadcopter Swarm Implemented in the Gazebo Simulation Environment

Ryan Satria Wijaya, Senanjung Prayoga, Rifqi Amalya Fatekha, Muhammad Thoriq Mubarak

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Crack Detection in Building Through Deep Learning Feature Extraction and Machine Learning Approch

Afandi Nur Aziz Thohari, Aisyatul Karima, Kuwat Santoso, Roselina Rahmawati

2024-07-07

Fuzzy Logic and Neural Network-Based Self-Tuning PID for Vacuum Pressure Stabilization

Berza H. Sanjaya, Ardi Pujiyanta, Riky Dwi Puriyanto

2025-10-06

Integration of Multi-Modal Sensors in Aquaponic Farming for IoT-Ready Based on ESP32 and Raspberry Pi Hybrid Platform

Muhammad Risal, Pujianti Wahyuningsih, Nining Haerani, Muhammad Mikolas, Muhammad Iqbal Lewa

2025-10-06

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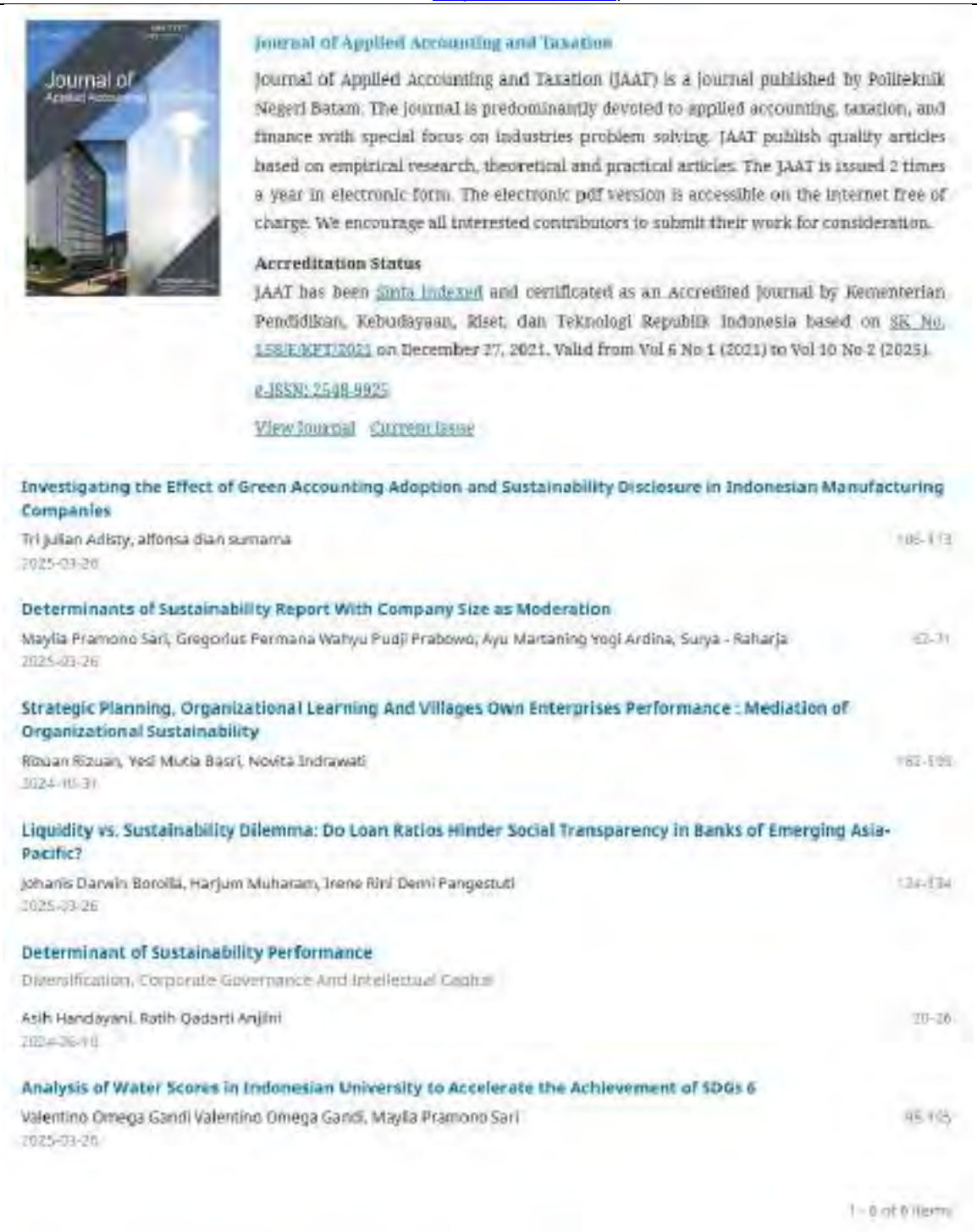
(1. https://jurnal.polibatam.ac.id/index.php/JAIC/search/index?query=sustainability&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=

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



Journal of Applied Accounting and Taxation
(https://jurnal.polibatam.ac.id/index.php/JAAT/search/index?query=sustainability&dateFromYear=202

3&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=)	

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 2548-9909. 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/DT.05.00/2024

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Analysis of Digital Marketing and Green Marketing Strategies to Maintain Business Sustainability on MSMEs Bandung Regency in Digital Era

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2023-09-30

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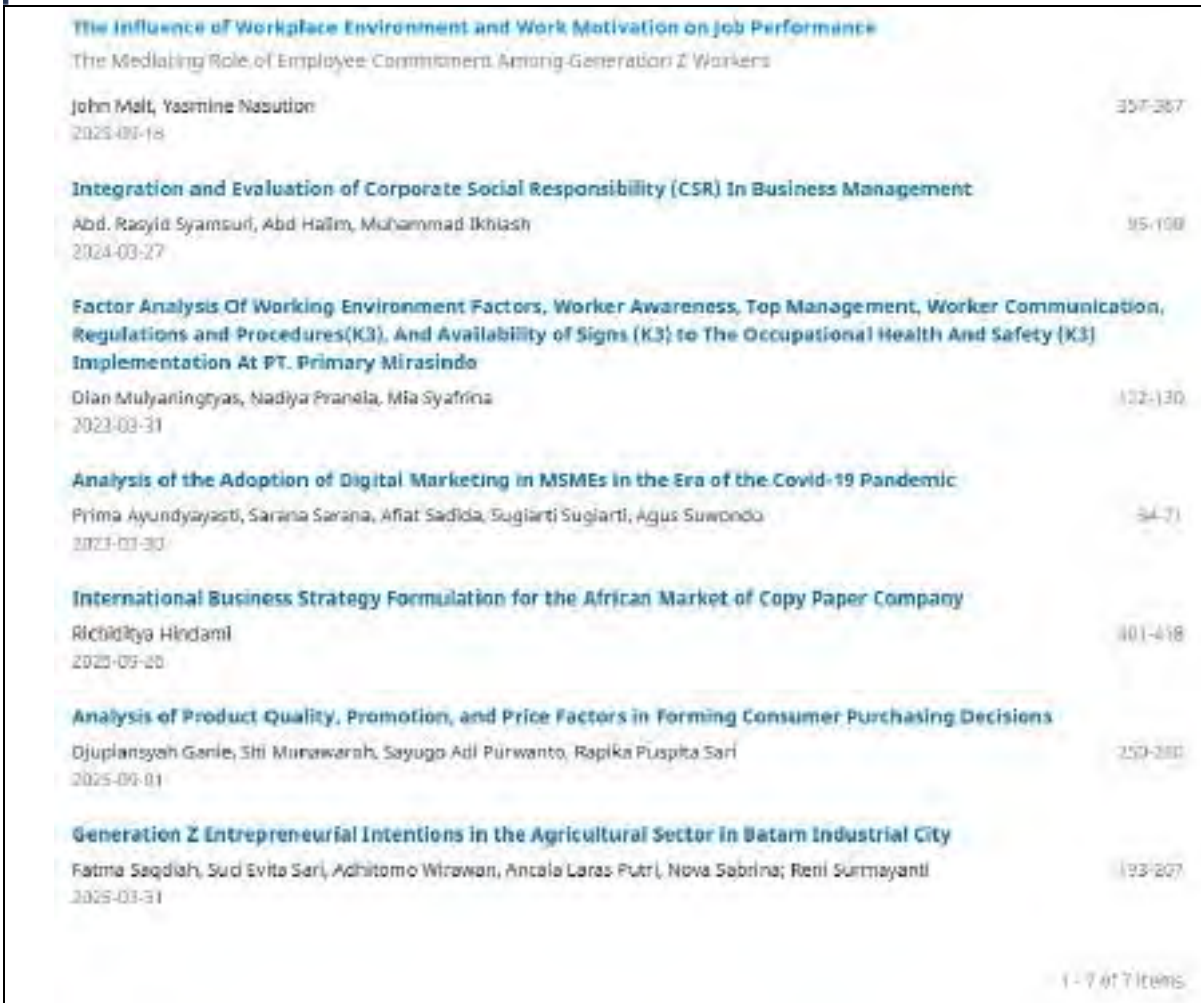

The Influence of Workplace Environment and Work Motivation on Job Performance
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2025-03-31

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Journal of Applied Business Administration

(1. https://jurnal.polibatam.ac.id/index.php/JABA/search/index?query=sustainability&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=

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

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.

Journal of Applied Managerial Accounting (1. https://jurnal.polibatam.ac.id/index.php/JAMA/search/index?query=sustainability&dateFromYear=2023&dateFromMonth=&dateFromDay=&dateToYear=2025&dateToMonth=&dateToDay=&authors= (2. https://jurnal.polibatam.ac.id/index.php/JAMA/search/index?query=environment&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=)	
 **Journal of Applied Electrical Engineering** JAEE (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). JAEE is accredited by the Ministry of Research and Technology (No. 152/E/KPT/2023)(SINTA 4). View Journal Current Issue **Evaluasi Kinerja Sistem HVAC dan Pencahayaan Di Gedung Teknik Elektro Universitas Malikussaleh Menggunakan Metode Komparatif** Muhammad Muhammad, Dirul Indah Rizki, Habib Muharry Yusdartono, Ezwarsyah Ezwarsyah, Selamat Meliala **Omni-directional Movement on the MRT PURVI Ship Robot** Ryan Satria Wijaya, Aldi Kapotra, Naufal Abdurrahman Prasetya, Hendawan Soebhakti, Senanjung Prayoga, Anugerah Wibisana, Rifqi Amalya Fatekha, Eko Rudiawan Jamzuri, Mochamad Ari Bagus Nugroho	
Journal of Applied Electrical Engineering (https://jurnal.polibatam.ac.id/index.php/JAEE/search/index?query=environment&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=)	

JOURNAL OF APPLIED MULTIMEDIA AND NETWORKING

Journal of Applied Multimedia and Networking (JAMN) is a peer-reviewed open access journal published by Study Program of Multimedia and Networking, Politeknik Negeri Batam. The JAMN 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. e-ISSN: 2548-6853

View Journal Current Issue

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

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, electronical and informatics in applied engineering and techcnology. The journal is published two times a year on June and December. We encourage all interested contributors to submit article for consideration

JATRA has been accredited by the National Journal Accreditation (ARJUNA) Managed by the Ministry of Education, Culture, Research, and Technology (Kemendikbudristek), JATRA has been nationally accredited with SINTA 5

View Journal Current Issue

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Jurnal Teknologi dan Riset Terapan (https://jurnal.polibatam.ac.id/index.php/JATRA/search/index?query=lingkungan&dateFromYear=2023&dateFromMonth=1&dateFromDay=1&dateToYear=2025&dateToMonth=12&dateToDay=31&authors=)		

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 menyebarluaskan 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 perencanaan 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: 2985-4422

DOI Prefix 10.30871 by Crossref

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

View Journal Current Issue

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

2024-12-24

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Workshop Pengenalan K3 untuk Pelajar SMK Negeri 1 Bintan Utara

Lalu Kaisar Wisnu Kita, Muhammad Naufal Airlangga Djautra, Hasnira Hasnira, Mishthafiyatillah Mishthafiyatillah, Arif Wahyu Budiarto, Shelly Sri Pitriani

2025-06-30

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

2024-12-24

Sosialisasi Proyek Penguatan Profil Pelajar Pancasila (P5) Sebagai Wujud dan Strategi Menciptakan Kehidupan yang Berkelanjutan di Era Modern

Rusyda Nazhirah Yunus, Satriya Bayu Aji, Nurasima Harahap, Berlianyah Rumodhon, Luki Anwar

2024-06-28

Instalasi Jaringan Internet dan Panel Surya Untuk Pengontrolan Absensi Siswa dan Keamanan CCTV di Masjid

Afdhol Dzikri, Dwi Ely Kurniawan, Dodi Prima Resda

2024-01-12

1 - 4 of 4 Items

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Maria Maria, Selly Artaty Zega, Liony Lumombo — 13-21

2024-06-20

Penataan Ruang Terbuka Hijau Taman Kampus di Barbershop and Beauty Salon Polimdo

Juliet P. T. Makinggung, Diana S. R. Maramis, Kevin Pangemanan, Maruto Swatara Loegimin, Hasnihara Hasnihara — 37-46

2024-06-20

Workshop Pengenalan K3 untuk Pelajar SMK Negeri 1 Bintan Utara

Lalu Kaisar Wisnu Kita, Muhammad Naufal Airlangga Diputra, Hasnira Hasnira, Mishchafiyatillah Mishthafiyatillah, Arif Wahyu Budiarto, Shelly Sri Fitriani — 68-79

2025-06-30

Sosialisasi Proyek Penguatan Profil Pelajar Pancasila (P5) Sebagai Wujud dan Strategi Menciptakan Kehidupan yang Berkelanjutan di Era Modern

Rusyda Nazhirah Yunus, Sathya Bayu Aji, Nursaima Harahap, Barliansyah Rumodhon, Luki Aswar — 1-12

2024-06-20

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

Sartikha Sartikha, Maria Maria, Yeni Rokhayati, Metta Santiputri, Selly Artaty Zega, Miratul Khasana Mufida, Arena Uperiati, Supardianto Supardianto, Liony Lumombo — 80-88

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Nur Rafia Dija, James Siregar, Lalu Giat Juangga Putra, Mohamad Alif Dzulfiqar, Muhammad Andi Nova, Didi Aidin Sumadiraja, Yattawuri Arinta Timur — 56-67

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Monitoring dan Kontrol Kualitas Air Kolam Ikan Berbasis IoT

Aditya Gautama Darmoyono, Kamarudin Kamarudin, Rahmi Mahdaliza, Muhammad Jaka Wimbang Wicaksono, Ahmad Syafi'i, Eka Mutia Lubis, Dessy Oktani, Mu'thiana Gusnam, Muhammad Syafei Gozali, Nurhayati Fitri — 15-22

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Rolyke Tulangow, Jacob Makapedua, Willem G. Pomantow, Johnny Winokan, Hasnihara Hasnihara, Maruto Swatara Loegimin — 22-31

2024-06-20

Instalasi Jaringan Internet dan Panel Surya Untuk Pengontrolan Absensi Siswa dan Keamanan CCTV di Masjid

Afdhol Dzikri, Dwi Ely Kurniawan, Dodi Prima Resda — 151-158

2024-01-12

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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 (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)

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 Cyntia Lasmi Andesti, M.Kom	Yulia Pipka Ziliwu Naufal Bagas 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

		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 Nazhifah, S.Kom., M.C.S.(AI) Emelia Rosari Siregar, M.A.	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 Levran Panjaitan	Pelatihan Robotika dan Kompetisi RoboRoarz untuk Peningkatan Kompetensi STEM Siswa SMA/SMK di Kepulauan Riau	15.000.000
3	Rahmi Mahdaliza, S.Si., M.Si.	Dr. Budi Sugandi, S.T., M.Eng	Santo Mykolardo Sidabutar	Diseminasi ELINDERS Board	-

		Prasaja Wikanta,ST, MT Nadhrah 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.		(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 Fahruzi, S.T., M.T. Ridwan, S.ST., M.Tr.T Indra Hardian Mulyadi, M.Eng., IPM Nanta Fakih 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	Ikhsan Sabri Santo Januarius Jhon Kenedy Muhammad Ananda Aidil Bima Pratama	Diseminasi Otomatisasi Sistem Pemilihan Kabel untuk Siswa SMK	-

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6	Hana Mutialif Maulidiah S.T., M.Sc.	Daniel Sutopo Pamungkas,	Ilham Dwi Putra Arya Linosya Hindi	SISTEM MONITORING	-

		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.	Aghata Yudhi Hardin Rafiqah Yuliten Dwi Salwa Urip Ridho Pangestu Precelia Elizabeth Samosir Mohammad Hasanuddin Eha Sulastri Sirait Muhammad Rangga Kurniawan Dimas Aji Pangestu	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 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
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	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	9.000.000

		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 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		Enzyme di Tingkat Sekolah	
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 Ikhlash, 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., 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.	Owens Rivai Aan S. Saragi Napitu Muhamad Ramadhan Tedy Saputra Mulyadi Iffando Darmansyah Fernando Muhammad Yusri Aksyaputra Dharma Louisa Galuh Ananda Putri Sefia Melati	Program Pelatihan Drafter Teknik Konstruksi Kapal untuk Siswa SMK se-Kota Batam Tahun 2025	8.875.000
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,	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

		S.AB.,MTV Reni Surmayanti, S.E., M.S.A Syafri Naldi, M.A.B. Fatma Saqdiah, S.M, M.Si.			
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	Intan Muslimah Rizqi Ratnaningsih	Pengembangan Media Ajar	7.500.000

		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	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 Panggabean 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	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)	
19	Fauziah Muchlis, M.S.Ak	Afriyanti Hasanah, S.S.T., M.Sc Diah Amalia, S.E.,M.Ak.,Ak Riri Zelmiyanti, S.E., M.Sc., Ak,	Johana Putri Thresia Daniel Herdiansyah	Business Development Services untuk UMKM dan Koperasi : Pendampingan Edukatif di Bidang	9.000.000

		CA Matheus Maruli, S.Tr.Akun Salsabila Nur Aini Sekarningrum, S.Ak., M.Acc Muhammad Ali Faisal, S.Pd., M.Acc		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 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	Lady Alisya Khairel Sarah Nur Aulia Gracia Apryani	Pengembangan Media Pembelajaran	5.477.000

		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.	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 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	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)	

			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., 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	Celia Faradhiba Yuliana Simanjuntak Amorita Asta Dewi Cahya Early Ramadhani Grace Damayanti malau	Pendampingan Pembuatan Laporan Keuangan Pada UMKM Browte	650.000

		Iassa Marcelina Soraya, S.Tr.Akun			
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., 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	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 Pencegahan Penyebaran Informasi Judi Online	2.450.000

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=aW9wc2lidmJ0a3Nl

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] Sustainability Report (ED.7)

Examples of sustainability report (Politeknik Negeri Batam, Indonesia)

Description:
(*The following is an example of the report link/url*)

Complete text of Politeknik Negeri Batam Statement Report 2024 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/

[6] Education and Research (ED)

[6.17] Number of cultural activities on campus (e.g.Cultural Festival) (ED.8)


PAGELARAN TEKNOVASI 2025
BATAM, 19-21 AGUSTUS 2025
EDTO ARM
BEASAT
ROBOROARZ
INTERNATIONAL PBL EXPO
PINFEST
MTQ NP
JOB FAIR
POLIBATAM FAIR
BAZAAR


Polibatam News
MTQ POLITEKNIK NASIONAL 2025
DI POLIBATAM: 291 PESERTA, SYIAR QUR'ANI
KE KANCAH INTERNASIONAL


Polibatam News
POLIBATAM GELAR UPACARA PERINGATAN HARI
KESAKTIAN PANCASILA 1 OKTOBER 2025


Polibatam News
SUMPAH PROFESI INSINYUR ANGKATAN VI & KULIAH
PERDANA ANGKATAN VII


Polibatam News
POLIBATAM MENGGELAR UPACARA PERINGATAN
HUT RI KE-80 TAHUN


KEGIATAN OBSERVASI
KAMPUNG SENI
Social Enterprise

Examples of **cultural activities on campus** (Politeknik Negeri Batam, Indonesia)

Description:

Total number **cultural activities on campus** organized by the University : 11 **events**

1. National Ceremonies: National Education Day, Indonesian Independence Day, and Pancasila Sanctity Day
   Politeknik Negeri Batam conducts regular national ceremonies to commemorate National Education Day, Indonesian Independence Day, and Pancasila Sanctity Day. These ceremonies serve as an expression of respect and appreciation for the nation's history and foundational values. They also aim to strengthen the sense of unity, nationalism, and dedication among members of the academic community.
2. Pagelaran Teknovasi
   Pagelaran Teknovasi is an annual event organized by Politeknik Negeri Batam to promote innovation, technology, and creativity. The event features a variety of competitions, including innovation projects, product design contests, and technology-based performances. It provides a platform for students from different study programs to showcase their ideas, creativity, and research outcomes that contribute to technological advancement and applied innovation.
3. Conservation Activities in the Art Village
   Politeknik Negeri Batam carries out conservation initiatives in the Art Village, focusing on the preservation of local cultural heritage, traditional crafts, and community-based arts. These activities include maintaining cultural facilities, supporting local artists, and promoting sustainable art practices

that integrate environmental awareness with cultural preservation, thereby fostering a harmonious relationship between culture and sustainability.

4. Art Competitions and Performances

   The institution organizes various art competitions and performances to cultivate artistic expression and cultural appreciation within the academic environment. These activities encompass music, dance, painting, and theater performances, serving as a creative platform for students to express their artistic talents and cultural identity, while enhancing the campus's cultural vitality and inclusivity.

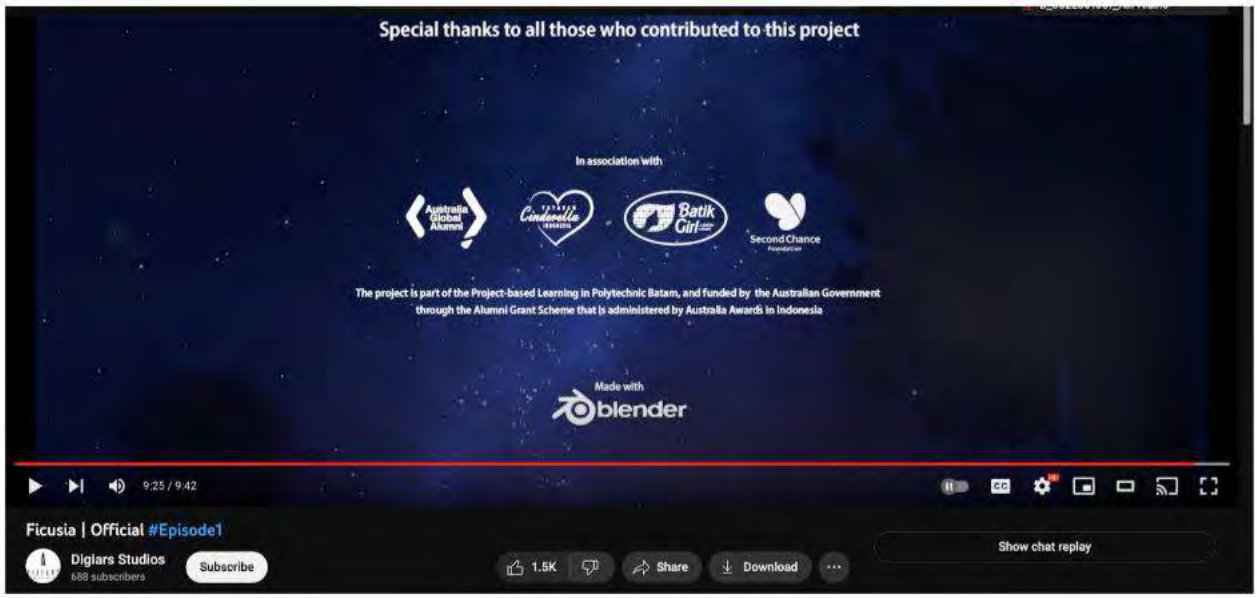
Template for Evidence(s)
UI GreenMetric Questionnaire

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

[6] Education and Research (ED)

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

1. Batik Girl Animation Series - Ficusia

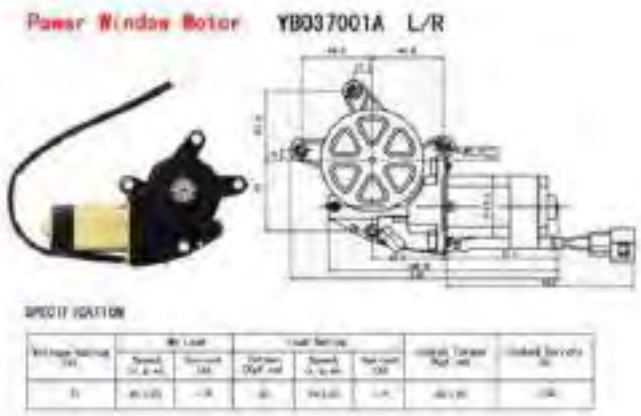


Collaboration in the production of the **film Ficusia**: Polibatam and the Indonesian Cinderella Foundation, funded by Australia Global Alumni and the Ministry of Education, Culture, Research and Technology

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. Student 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)

4. Joint Research
- Monash University, riset rempang
Dok: MOA

Awali Kolaborasi Riset, Polibatam dan Monash University Gelar Kick-Off Meeting

Agustus 4, 2025

5. Online Conference
- Singapore Polytechnic, Acara RINC 2025
Dok: Dokumen Implementation Agreement

6. Educational Trip (Inbound)
- Politeknik Ibrahim Sultan, bidang animasi (ini nanti 26-28 Okt)
- Kolej Komuniti Kuala Langat, bidang animasi
Dok: Piagam Kerjasama, Sertifikat peserta

7. International Globalpreneur Exchange Program- (MB- Fuad Arif Rahman)
- Kolej Komuniti Kuala Langat (15-18 Oktober 2025)


POLYCC
POLITEKNIK
KOLEJ KOMUNITI

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

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[6] Education & Research

[6.19] Number of sustainablity community services project organised and/or involving students (ED.10)

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.	Yulia Pipka Ziliwu Naufal Bagas 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

		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.			
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 Nazhifah, S.Kom.,	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 Levran Panjaitan	Pelatihan Robotika dan Kompetisi RoboRoarz untuk Peningkatan Kompetensi STEM Siswa SMA/SMK di Kepulauan Riau	15.000.000

		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 Nadhrah 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 Fahruzi, S.T., M.T. Ridwan, S.ST., M.Tr.T Indra Hardian Mulyadi, M.Eng., IPM Nanta Fakih 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.	Ikhsan Sabri Santo Januarius Jhon Kenedy Muhammad Ananda Aidil Bima Pratama	Diseminasi Otomatisasi Sistem Pemilihan Kabel untuk Siswa SMK	-

		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. Feralia 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 Denggan Al Walid Harahap Juliarman Zebua Hafiz Al Fazli	Pelatihan Keselamatan dan Kesehatan Kerja bagi Siswa SMK Negeri 7 Batam	4.850.000

		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	-
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.	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

		Noper Ardi, M.Eng. Suwarno, S.S., M.Pd Amirul mu'minin, S.Ds, M.Ds			
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
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	Al Buchari Muslim Nurhaliza Inelda Khusnul Nur Faozan	Pemanfaatan Komik untuk Mendorong	9.000.000

		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 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	Rio Farhan Saragih Alif Rizkiansyah	Perilaku Berkelanjutan (Sustainability Behavior): Edukasi Lanjutan Pengelolaan Sampah Organik melalui Eco Enzyme di Tingkat Sekolah	
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 Ikhlash, S.E., M.Ak., Ak. CA. Nadia Fathurrahmi Lawita, B.Com.,	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

		M.AccBIT Sarah Ulfah Al Amany, S.Ak., M.I.B Dewi Junita, S.E., M.Ak Susi Lestari, S.Si., M.Si.			
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., 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	Owens Rivai Aan S. Saragi Napitu Muhamad Ramadhan Tedy Saputra Mulyadi Iffando Darmansyah Fernando Muhammad Yusri Aksyaputra Dharma Louisa Galuh Ananda Putri Sefia Melati	Program Pelatihan Drafter Teknik Konstruksi Kapal untuk Siswa SMK se-Kota Batam Tahun 2025	8.875.000

		Dzulfiqar S.T., M.T.			
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
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.	Lala Zakiya Nasution Sonia Suci Utami Puanliza Rahmitha Imam Muhamad Ahsin Hikari Daffiq Al Fayad Muhammad Faruq Azhar Haura Salsabila Dheko Rahmadanny	SERIP 360 - Program Penguatan Branding, Digitalisasi Promosi Dan Aktivasi Kampanye Wisata Digital Berbasis Partisipasi Komunitas Di Kampung Tua Bakau Serip	22.588.000

		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.	Ismed Ardianto Dava Syafriandana		
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 Panggabean 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	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

			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 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	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 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	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	Papan Nama TPA & Masjid Al Hidayah untuk Memotivasi Masyarakat Batam Menuju Generasi Madani	1.540.000

		Mendritfa Fadly, A.Md. T	Nizam Sandy Josua Simanjuntak Farhan Sugenri Aritonang Jhon Aprius Limbong Ahmad Pauji Muhammad Ezra Zulhiaji Raka Pratama		
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 Khairel Sarah Nur Aulia Gracia Apryani 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 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	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

			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		
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.	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

		Windy Stefani, S.T., M.Eng.			
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., M.T., M.Sc, Ph.D Ir. Dwi Ely Kurniawan, M.Kom Nelmiawati, B.CS., M.Comp.Sc Hamdani Arif,	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 Pencegahan Penyebaran Informasi Judi Online	2.450.000

		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			

Description:
In community service activities there were 26 projects, involving 223 students.

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

Template for Evidence(s)
UI GreenMetric Questionnaire

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

[6] Education & Research

[6.20] Number of sustainability-related startups (ED.11)

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. TREEMINE: Center for Electronic Engineering, Manufacturing, and Calibration 6. Center for Robotics and Artificial Intelligence 7. Center for Naval Architecture and Marine **URL: https://p2m.polibatam.ac.id/?p=8114** **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.

Photos:

No	Nama CoE	Nama Jurusan	Nama Ketua
1	Polibatam Software Team (PSTeam)	Teknik Informatika	Dr. Ari Wibowo, ST., MT
2	Digi. Ars Studio		Chaircel Adam S.Ds., M.Sn
3	Polibatam Cyber Labs (PCLabs)		Antoni Haikal, S.ST.,M.T
4	Polibatam Surveying and Mapping Services		Farouki Dinda Rassarandi, S.T., M.Eng
5	Center of Accounting and Fintech	Manajemen Bisnis	Nadia Fathurrahmi Lawita, B.Com., M.AccBIT
6	Center for Global Trade & Supply Chain Mangement		Jessica Olifia, 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)		Mutia Ulfah, S.E., M.M
9	Center for Tax Center		Anjelina, S.S.T., M.A
10	Center for Galeri Investasi		Riyadi Aprayuda, S.E., M. Ak
11	TREEMINE: Center for Electronic Engineering, Manufacturing, and Calibration	Teknik Elektro	Budiana, S.Si., M.Si
12	Center for Robotics and Artificial Intelligence		Eko Rudiawan Jamzuri, S.ST. M.Sc
13	Center for Smart Power and Factory Automation		Adlian Jefiza, S.Pd., M.T
14	Center for Naval Architecture and Marine	Teknik Mesin	Adi Syahputra Purba, S.Pd., M.Si
15	Center for Material Testing		Ebeng Sugondo ,M.T
16	Center for Design Pipe, Structure and Manufacture Production		Kms M. Avrialdi., M.Pd.T
17	Center for Mold and Dies		Meilani Mandhalena Manurung, S.T., M.T.
18	Center for Aircraft Maintenance and Development Aircraft		Mohamad Alif Dzulfiqar,M.T.
19	Center for Safety and Environment		Yosef 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=8114

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)

[6.21] 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	81	Finance, Purchasing, General Affair	Pra Graduation Survey
2024/2025	Informatics Engineering	482	44	Surveyor, Programmer, Teacher	Pra Graduation Survey
2024/2025	Electrical Engineering	569	121	Renewable Energy Engineer, HSE Technician, QA Technician, Maintenance	Pra Graduation Survey
2024/2025	Mechanical Engineering	498	61	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			**615**		

Description:
(*Please describe total number of graduates with green jobs. The following is an example of the description. You can describe more related items if needed*.)

Politeknik Negeri Batam systematically monitors the employability of its graduates, with particular emphasis on their involvement in green jobs that contribute to sustainable development. Green jobs are defined as occupations that promote environmental sustainability through activities in renewable energy, energy efficiency, waste management, sustainable manufacturing, and other environmentally responsible sectors.

Over the past three academic years (2022/2023 to 2024/2025), a total of 615 graduates from various disciplines have been employed in green-related sectors. This underscores Politeknik Negeri Batam's role in supporting a sustainable economy.

Total graduates with green jobs (2022/2023–2024/2025): 615 students.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):
https://docs.google.com/spreadsheets/d/11OjZXIWtRPOwM2P8xnjyD49mJLHihFpT/edit?usp=sharing&ouid=110905047021355197773&rtpof=true&sd=true

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)

[6.22] 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		**5.061**

Description:

Politeknik Negeri Batam records the total number of graduates from all faculties and departments each academic year. Over the past three academic years (2022/2023 to 2024/2025), the total number of graduates reached 5,061 students. The data are categorized by faculty and department as described above.

The data shows the continuous academic performance and contribution of Politeknik Negeri Batam in producing skilled graduates who are ready to contribute to industry and sustainable development.

Total graduates (2022/2023–2024/2025): 5,061 students.

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)

[6.23] Percentage of number of graduates with green jobs (for the last 3 years) (ED12)

Academic Year	Faculty/Department	Total Graduates	Graduates with Green Jobs	Description of Green Jobs	Data Source
2024/2025	Business Management	871	81	Finance, Purchasing, General Affair	Pra Graduation Survey
2024/2025	Informatics Engineering	482	44	Surveyor, Programmer, Teacher	Pra Graduation Survey
2024/2025	Electrical Engineering	569	121	Renewable Energy Engineer, HSE Technician, QA Technician, Maintenance	Pra Graduation Survey
2024/2025	Mechanical Engineering	498	61	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
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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**	**615**		

Description:

Total number of graduates: 5061
Total number of graduates with green jobs: 615

Percentage of number of graduates with green jobs:
(Total number of graduates with green jobs/ Total number of graduates) x 100%
= (615/5061) x 100%
= **12.15%**

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):
https://docs.google.com/spreadsheets/d/11OjZXIWtRPOwM2P8xnjyD49mJLHihFpT/edit?usp=sharing&ouid=110905047021355197773&rtpof=true&sd=true

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)

[6.24] Availability of unit(s) or office(s) that coordinate sustainability on campus (ED13)

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

KEPUTUSAN DIREKTUR POLITEKNIK NEGERI BATAM
NOMOR 1279/K/PL29/VII/2025

TENTANG
PENETAPAN TIM PENYUSUN PEMENUHAN INDIKATOR PENILAIAN *UI-GREENMETRIC*
POLITEKNIK NEGERI BATAM TAHUN 2025

DIREKTUR POLITEKNIK NEGERI BATAM,

Menimbang
a. bahwa dalam rangka menunjukkan komitmen Politeknik Negeri Batam dan pengembangan kebijakan terhadap upaya global dalam mengatasi perubahan iklim serta mendukung program pembangunan berkelanjutan;
b. bahwa dalam proses yang dimaksud pada huruf a, terdapat program *UI-GreenMetric* dengan skala internasional;
c. bahwa berdasarkan pertimbangan pada huruf a dan b maka perlu menetapkan Keputusan Direktur tentang Penetapan Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric* Politeknik Negeri Batam Tahun 2025.

Mengingat
1. Undang-Undang Nomor 20 Tahun 2003 tentang Sistem Pendidikan Nasional;
2. Undang-Undang Republik Indonesia Nomor 32 Tahun 2009 tentang Perlindungan dan Pengelolaan Lingkungan Hidup sebagaimana yang telah diubah dengan Undang-Undang Nomor 6 Tahun 2023 tentang PenetapanPeraturan Pemerintah Pengganti Undang-Undang Nomor 2 Tahun 2022 tentang Cipta Kerja menjadi Undang-Undang;
3. Undang-Undang RI Nomor 12 Tahun 2012 tentang Pendidikan Tinggi;

4. Peraturan Menteri Riset, Teknologi, dan Pendidikan Tinggi Republik Indonesia Nomor 41 Tahun 2016 tentang Statuta Politeknik Negeri Batam;
5. Peraturan Menteri Pendidikan, Kebudayaan, Riset, dan Teknologi Republik Indonesia Nomor 12 Tahun 2023 tentang Organisasi dan Tata Kerja Politeknik Negeri Batam;
6. Keputusan Menteri Pendidikan dan Kebudayaan Nomor 79783/M/06/2024 tentang Pengangkatan Direktur Politeknik Negeri Batam Periode Tahun 2024-2028;

M E M U T U S K A N:

Menetapkan : KEPUTUSAN DIREKTUR POLITEKNIK NEGERI BATAM TENTANG PENETAPAN TIM PENYUSUN PEMENUHAN INDIKATOR PENILAIAN *UI-GREENMETRIC* POLITEKNIK NEGERI BATAM TAHUN 2025.

KESATU : Menetapkan nama-nama sebagaimana yang tercantum dalam lampiran Keputusan ini sebagai Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric* Politeknik Negeri Batam Tahun 2025.

KEDUA : Tim Penyusun Pemenuhan Indikator Penilaian *UI GreenMetric* Politeknik Negeri Batam Tahun 2025 memiliki tugas sebagai berikut :

a. Mengidentifikasi kebutuhan data sesuai dengan 6 (enam) kriteria, 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).
b. Mengumpulkan data dan menyusun laporan sesuai kriteria;
c. Mengumpulkan laporan ke *website UI-GreenMetric*.

KETIGA : Keputusan ini mulai berlaku pada tanggal ditetapkan.

Ditetapkan di Batam
pada tanggal 21 Juli 2025
Direktur,

Bambang Hendrawan
NIP 197706252012121003

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

KEPUTUSAN DIREKTUR POLITEKNIK NEGERI BATAM TENTANG PENETAPAN TIM PENYUSUN PEMENUHAN INDIKATOR PENILAIAN *UI-GREENMETRIC* POLITEKNIK NEGERI BATAM TAHUN 2025.

NOMOR : 1279/K/PL29/VE/2025
TANGGAL : 21 JULI 2025

No.	Nama	Jabatan	Peran
1.	Arnisti	Wakil Direktur I Bidang Akademik	Pengarah Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
2.	Dewi Jimita	Dosen Jurusan Manajemen dan Bisnis	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
3.	Nadia Fithriyahsni Lawita	Dosen Jurusan Manajemen dan Bisnis	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
4.	Windy Rielani	Dosen Jurusan Teknik Mesin	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
5.	Adi Syahputra Purba	Dosen Jurusan Teknik Mesin	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
6.	Sugi Hapsi Delima	Kepala Sub Bagian Umum	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
7.	Rizky Syarifadi	Staf Sub Bagian Umum	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
8.	Evaliata Br Sembiring	Kepala Pusat Penjaminan Mutu dan Pengembangan Pembelajaran	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
9.	Titin Sumarni	Staf Pusat Penjaminan Mutu dan Pengembangan Pembelajaran	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
10.	Sri Puji Lestari	Kepala Polkja Perencanaan	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
11.	Dian Mahyojawirda	Staf Polkja Perencanaan	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
12.	Iman Fahruzi	Kepala Pusat Penelitian dan Pengabdian kepada Masyarakat	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*

13.	Priki Adimarta	Staf Pusat Penelitian dan Pengabdian kepada Masyarakat	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
14.	Dede Rusbandi Wibowo	Kepala UPA Perawatan dan Perbaikan	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
15.	Vivi Wahyuni	Staf UPA Perawatan dan Perbaikan	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
16.	Siti Noor Chayati	Kepala UPA Pengembangan Karir dan Kewirausahaan	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
17.	Fatima Akmal Putri	Staf UPA Pengembangan Karir dan Kewirausahaan	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
18.	Lina Dwi Wahyuni	Kepala Pokja Organisasi dan SDM	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
19.	Ridwan Purwanto	Kepala Pokja Humas dan Kerjasama	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
20.	Reska Oktriany	Staf Pokja Humas dan Kerjasama	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
21.	Dian Oktriyanti Umars	Kepala Pokja Keuangan	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
22.	Salma Fajri	Staf Pokja Humas dan Kerjasama	Anggota Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*
23.	Chairil Azmi	Kepala Sub Bagian Akademik	Koordinator Tim Penyusun Pemenuhan Indikator Penilaian *UI-GreenMetric*

Direktur,

Bambang Hendrawan
NIP 197706252012121003

Description:
Politeknik Negeri Batam formed an Ad-hoc Task Force for Sustainability to support the Sustainable Development Goals (SDGs) and meet UI GreenMetric criteria.

The task force coordinates data collection and monitoring. It organizes sustainability initiatives across the campus in governance, energy, waste management, transportation, education, and research. The task force also acts as a liaison among campus units. It ensures that all sustainability activities are properly documented and reported to align with UI GreenMetric indicators.

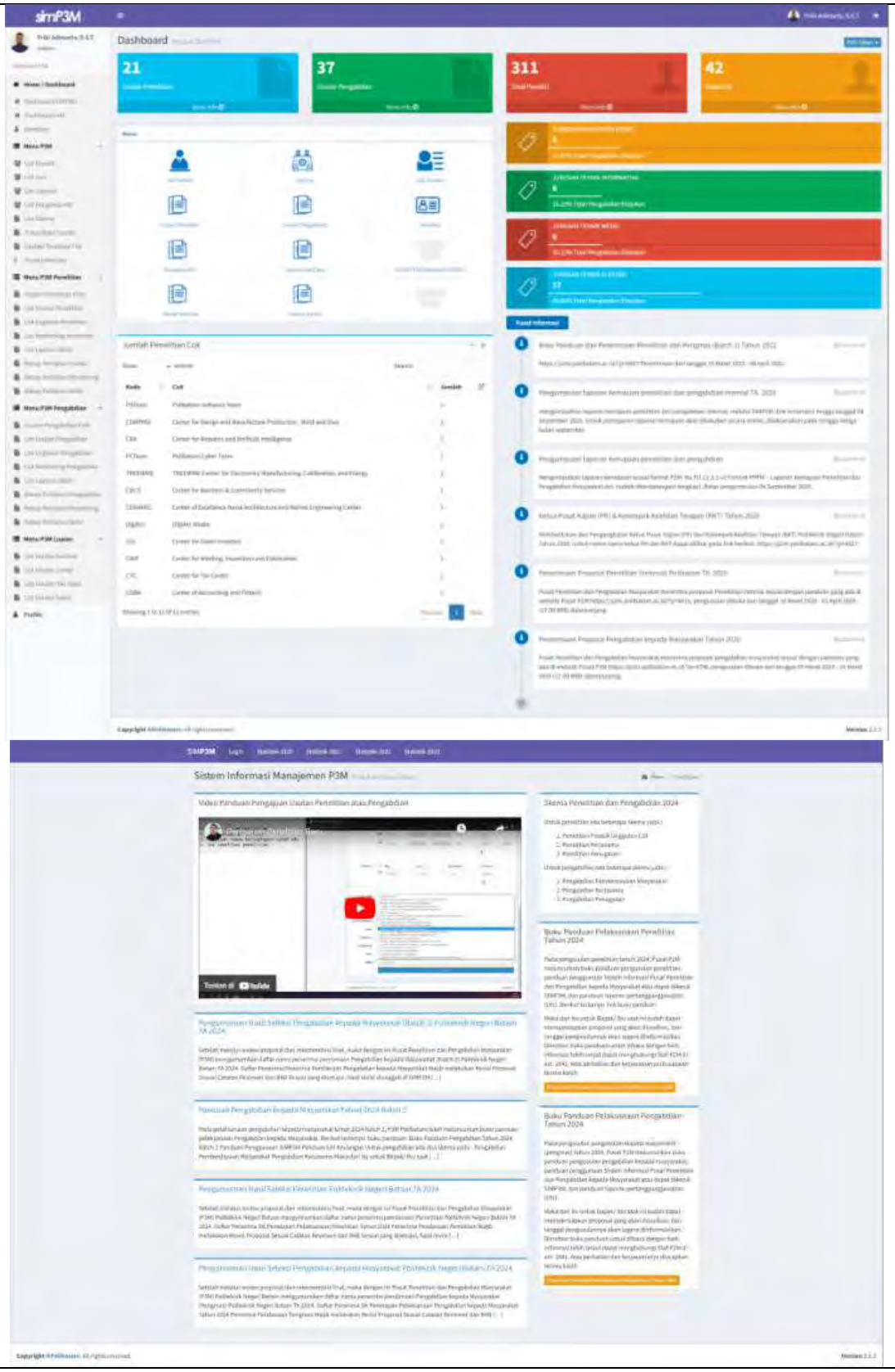
Template for Evidence(s)
UI GreenMetric Questionnaire

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

[6] Education and Research (ED)

[6.25] Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT) (ED.14)

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Identify key areas of sustainability for research focus	Research management software	Research focus documents, funding proposals	Mar 2024 - Apr 2024	Research Office, ICT Dept
Implementation	Fund and support research projects on sustainability	Digital grant management systems	Funding records, project reports	Jun 2024 - Nov 2024	Research Office, Finance Dept
Monitoring	Track research progress and publication output	Research tracking tools	Publication databases, progress reports	Nov 2024 – Oct 2025	Research Office, ICT Dept
Evaluation	Evaluate the impact and quality of publications	Citation analysis tools, peer review systems	Impact assessment reports, citation metrics	Annually	Research Office, ICT Dept



https://simp3m.polibatam.ac.id/

Description:

- **Planning:** Identify key areas of sustainability research to focus on and secure funding for these research projects. Use research management software to organize and plan research activities, manage funding proposals, and ensure alignment with sustainability goals.
- **Implementation:** Provide funding and support for sustainability research projects, ensuring researchers have the necessary resources. Utilize digital grant management systems to streamline the funding process and keep track of research projects.
- **Monitoring:** Track the progress of sustainability research and the number of scholarly publications produced. Employ research tracking tools to monitor publication output and research milestones.
- **Evaluation:** Evaluate the impact and quality of the publications on sustainability. Use citation analysis tools and peer review systems to assess the reach and impact of the research.

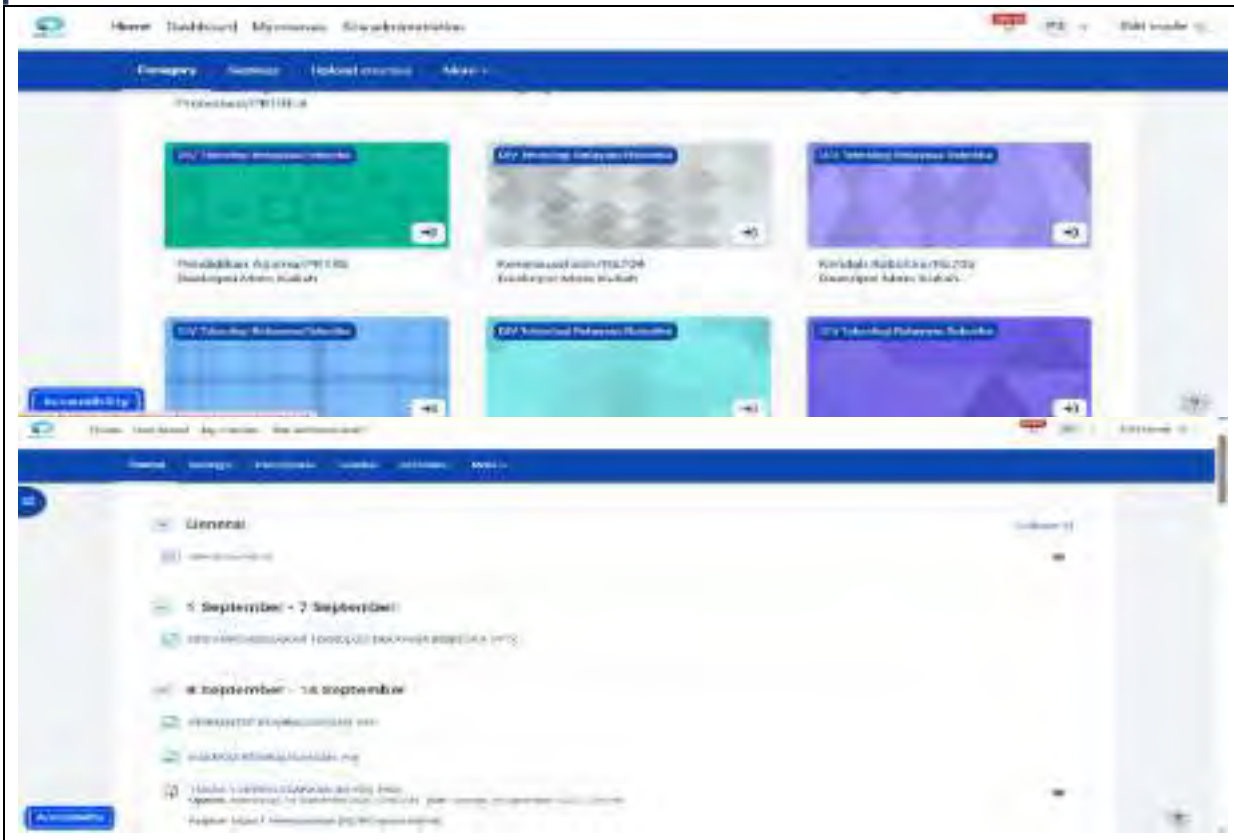
Education

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Establishment of SPMI Documents: Polibatam's SPMI documents include: SPMI policies, SPMI manuals, and SPMI standards. Meanwhile, the quality manual or SPMI form (consisting of business processes, procedures, forms, and other supporting documents) implements the ISO 9001:2015 quality management system. Determination of Learning Activities: At the beginning of each semester, the UPPS administrator (Head of Department) maps lecturers based on competency using a competency identification form and a lecturer competency matrix. Following this, the lecturers who will teach in the Teaching Distribution for	Quality Assurance and Learning Development management software	SPMI Document, SPMI Form	Jan 2025 – Des 2025	Center for Quality Assurance and Learning Development, ICT Dept

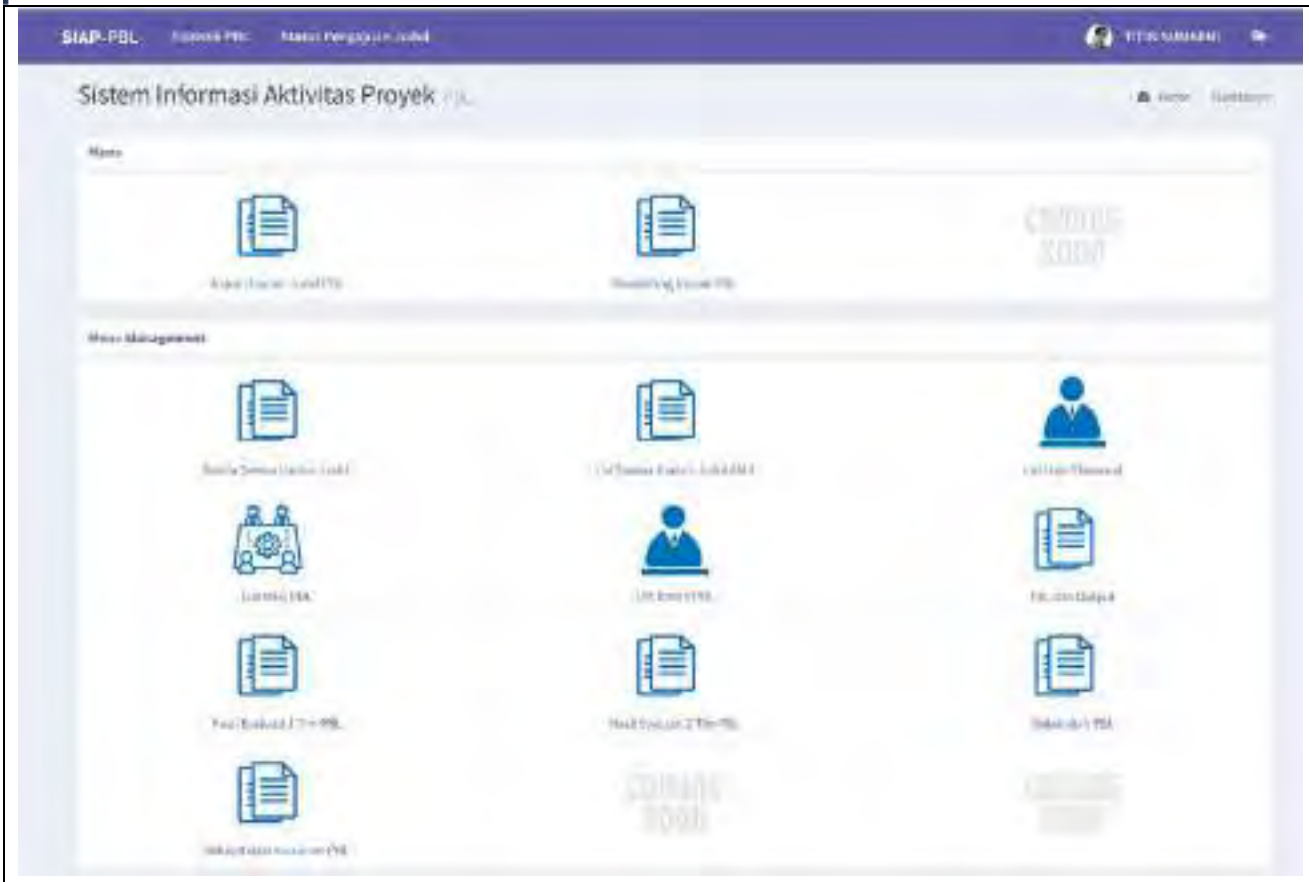
	one semester are determined. The decree is issued by the Director of Polibatam.				
Implementation	The implementation of PBM at Polibatam is based on procedures accessible at the following link: Learning Implementation Business Process. Evidence of PBM implementation is in the form of Minutes, which are input into the SID application.	Quality Assurance and Learning Development management software	lecture attendance list achievement of lecture material	Jan 2025 – Des 2025	Center for Quality Assurance and Learning Development, ICT Dept
Monitoring	Control is carried out by the KPS in various forms, including: Risk Management to register and mitigate issues related to PBM that may arise. RTM is conducted quarterly so that PBM evaluation results are submitted to Management. Internal Quality Audits and external quality audits are conducted annually.	Quality Assurance and Learning Development management software	Risk Management File, RTM notes Semester Evaluation Report AMI Report	Jan 2025 – Des 2025	Center for Quality Assurance and Learning Development, ICT Dept
Evaluation	Every activity, whether ongoing or completed, must be evaluated. The evaluation process takes the form of assessments/input/feedback from customers (students, lecturers, stakeholders) in the form of questionnaires, through learning evaluation meetings, management review meetings, and other forms. All evaluation results are documented in reports and published to stakeholders, including: PBM evaluations conducted twice per semester through PBM reports and delivered via	Quality Assurance and Learning Development management software	Impact assessment reports,	Jan 2025 – Des 2025	Center for Quality Assurance and Learning Development, ICT Dept

	email, meetings, or other forms; A grade meeting will be held at the end of the semester, with students given a rebuttal period. Feedback on Student Internship Implementation; Quarterly Quality Target Achievement Evaluation by the Head of the UPPS and KPS, which is then submitted to Polibatam Management through a Management Review Meeting (RTM); and others.				

https://sim.polibatam.ac.id/



https://learning.polibatam.ac.id/



https://pbl.polibatam.ac.id/

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):
https://intranet.polibatam.ac.id/index.php?path=SISTEM+PENJAMINAN++MUTU+INTERNAL%2FPROSES+BISNIS%2FPB+11+-+Pelaksanaan+Penelitian+dan+Pengabdian+kepada+Masyarakat/
https://intranet.polibatam.ac.id/index.php?path=SISTEM+PENJAMINAN++MUTU+INTERNAL%2FPROSES+BISNIS%2FPB+08+-+Pelaksanaan+Pembelajaran/
https://intranet.polibatam.ac.id/index.php?path=SISTEM+PENJAMINAN++MUTU+INTERNAL%2FPROSES+BISNIS%2FPB+09+-+Penilaian+Dan+Evaluasi+Pembelajaran/

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)

[6.26] Impact of Eduaction and Research programs in supporting the Sustainable Development Goals (SDGs)


PULAU LANCE TANGGUH
EDUKASI LINGKUNGAN DAN KESIAPSIAGAAN BENCANA

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:

5. SDG 2 – Zero Hunger: Improves agricultural efficiency and productivity to support food security and farmers' livelihoods.

6. SDG 8 – Decent Work and Economic Growth: Encourages local entrepreneurship and sustainable rural economic development.
7. SDG 9 – Industry, Innovation, and Infrastructure: Promotes research-based innovation and technological adoption in agriculture.
8. SDG 4 – Quality Education: Strengthens vocational training and technology transfer through collaboration with local schools.
9. 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=MzRlODBiNWFlZA==

https://www.instagram.com/p/DPxVXmBjY0S/