



UNIVERSITAS NEGERI YOGYAKARTA

SUSTAINABILITY REPORT 2025



+62274-586168



www.uny.ac.id



www.sdgs.uny.ac.id



	PAGE
Green Campus UNY	01
Evaluation & Performance Report	02
Setting & Infrastructure	03
Energy& Climate Change	04
Waste	05
Water	07
Transportation	09
Education	11





GREEN CAMPUS UNY

UNGGUL, KREATIF DAN INOVATIF BERKELANJUTAN

Universitas Negeri Yogyakarta (UNY) officially implements a green campus program based on Rector Regulation Number 20 of 2017, **strengthened by Rector Regulation Number 16 of 2021.**

- Preserving trees;
- Provision of trash bins;
- Recycling of waste and garbage;
- Saving electricity and water;
- Prohibition of smoking carelessly;
- Prohibition of hunting animals;
- Prohibition of dumping chemicals in waterways.

EVALUATION PERFORMANCE REPORT



Reporting on Supporting Programs UNY Green Campus

Reporting on UNY's efforts in developing a sustainable green campus through the annual "**Sustainability Report**." The publication of this report is part of the effort to disseminate work results and also as a reflection on the implementation of green campus support programs at UNY.

This report presents various initiatives designed to support the university's green transformation, including energy efficiency programs, waste reduction efforts, sustainable transportation, digitalization, and eco-friendly infrastructure development. By aligning with the principles of environmental stewardship and sustainable development goals (SDGs), UNY aims to cultivate a campus culture that promotes ecological awareness, social responsibility, and innovation toward a more sustainable and resilient educational environment.

UNY's participation in UI Green Metrics.

UNY has participated in the UI GreenMetrics rankings since 2016. In **2016**, UNY **ranked 31st in Indonesia** and 446th globally. In 2024, UNY ranked 17th in Indonesia and 126th globally. UNY's improved rankings, both nationally and internationally, demonstrate its improved performance in developing a sustainable green campus.



This report is intended to demonstrate Universitas Negeri Yogyakarta (UNY)'s active participation in the UI GreenMetric World University Rankings by presenting its continuous efforts in promoting sustainability and environmental responsibility across campus operations.



SETTING & INFRASTRUCTURE

UNY'S : UNY CREATES A CAMPUS THAT SUPPORTS SUSTAINABILITY

5

1. **KARANGMALANG CAMPUS** (MAIN CAMPUS, URBAN SETTING)
2. **KENARI CAMPUS** (URBAN CAMPUS)
3. **BANTUL CAMPUS** (URBAN CAMPUS)
4. **WATES CAMPUS** (RURAL SETTING)
5. **GUNUNGKIDUL CAMPUS** (RURAL SETTING)

Campus Sites



Several Faculty Buildings at UNY



Several Faculty Buildings at UNY



SETTING & INFRASTRUCTURE

Pg.3

UNY'S : UNY CREATES A CAMPUS THAT SUPPORTS SUSTAINABILITY



Several Faculty Buildings at UNY



Green Open Park Facilities, Athletic Fields



Sport Facility



Support Access For Students and Guest With Disabilities

SMART BUILDING: UNY'S COMMITMENT TO ENERGY EFFICIENCY



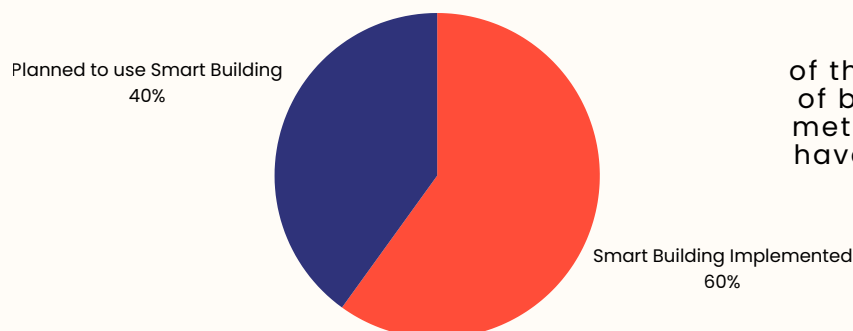
3 MAIN INITIATIVES TO ADDRESS CLIMATE CHANGE CHALLENGES AND IMPROVE ENERGY EFFICIENCY IN UNY:

- 1 Building Design for Natural Lighting and Ventilation
- 2 Technological Integration for Energy Optimization
- 3 Upgrading Equipment: replacing outdated equipment used in academic and institutional operations.

No	Appliances	Number of Appliances	Number of Energy Saving Appliances	Energy Saving Appliances Usage
1	Light Bulbs	38,731	30,287	78.20%
2	Air Conditioners	3,014	2,308	76.58%
Energy Saving Appliances Usage (%)				78.08%

AS IN 2025, ENERGY-EFFICIENT APPLIANCES CONSTITUTE APPROXIMATELY 78.08% OF ALL APPLIANCES USED AT UNY

- UNY has a total of 38,731 **light bulbs**, of which 30,287 **(78.20%)** meet energy-saving standards.
- UNY has installed 3,014 **air conditioners**, with 2,308 **(76.58%)** utilizing energy-saving technologies.

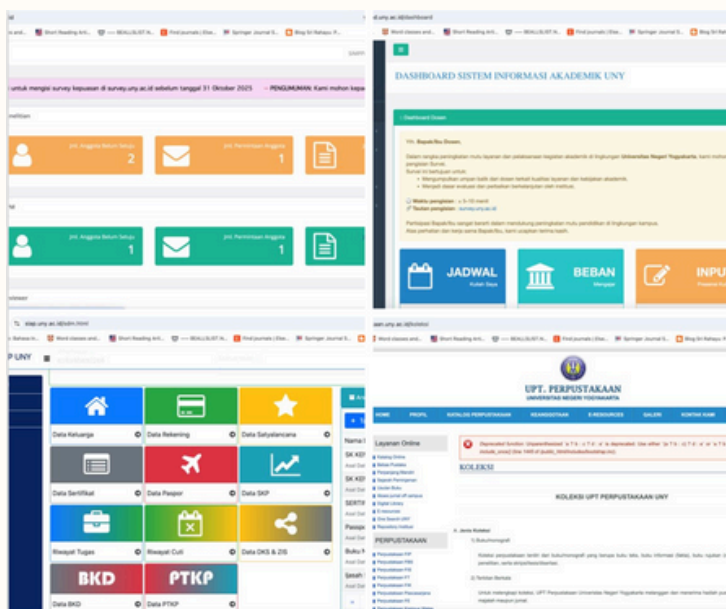


of the total **219,997 square meters** of building space, **131,867 square meters**, representing **59.94%** that have already incorporated smart building features

WASTE

4 main programs to reduce paper and plastic on campus

1



UNY's digital integration has significantly reduced paper consumption. Key administrative and academic processes, such as course registration, attendance tracking, and reporting, are now managed electronically. Integrated platforms like SIKAD UNY handle course schedules and student data, SIMASTER UNY streamlines HR and finance records, Dashboard Kerja Sama UNY manages partnership documents digitally, SIBIMTA tracks thesis progress online, and E-Library UNY offers access to digital resources, all reducing the need for paper.

To reduce single-use plastics, UNY promotes reusable merchandise like tote bags, mugs, and tumblers with the university logo. These items are distributed during student orientations, faculty events, and environmental campaigns to replace disposable plastics. Additionally, refill water stations have been installed across campus to encourage water refills and reduce bottled water usage.

2



3



As part of its Green Campus Initiative, UNY promotes reducing plastic waste by encouraging reusable shopping bags and tumblers. The "Bring Your Own Shopping Bag" campaign reduces single-use plastic with a small charge for plastic bags, while the "Bring Your Tumbler" program supports refills through water stations. Additionally, the "UNY Recycle Station" initiative offers designated drop points for plastic bottle collection, reinforcing recycling and waste management.

WASTE

4 main programs to reduce paper and plastic on campus

4



UNY has developed the WAMAS (Waste Management Application System) to streamline waste tracking within the university and its community partnerships. This digital tool records, monitors, and reports waste handling, ensuring transparency and accountability. WAMAS is also used in UNY's community service programs, such as in Kampung Emas, promoting sustainable environmental management.

UNY'S COLLABORATION WITH PT. ARAH ENVIRONMENTAL INDONESIA FOR SAFE B3 WASTE MANAGEMENT



- 1 The partnership ensures compliance with environmental regulations, minimizing risks to the environment and public health.
- 2 UNY demonstrates its commitment to sustainable waste management and national safety standards through this collaboration.

UNY collaborates with PT. Arah Environmental Indonesia to safely manage and dispose of hazardous B3 waste from its laboratories. This partnership ensures responsible waste handling, complying with environmental regulations and national safety standards.



9 main programs related to water conservation on campus



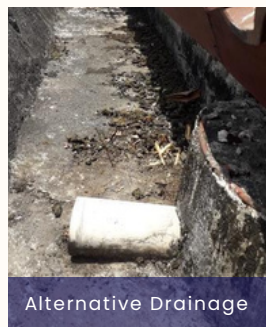
Concrete Pot



Biopore



Conventional Drainage System

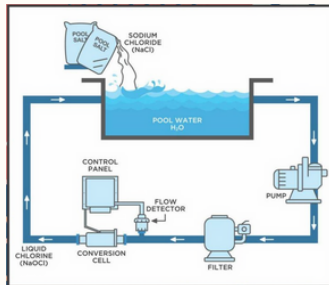


Alternative Drainage

These are four out of nine water conservation programs at UNY:

- 1. Tree Planting in Concrete Pots:** Most open spaces are used for tree planting in concrete pots, which bind and retain water while requiring less space.
- 2. Biopore Infiltration Holes:** 160 biopore holes, each 80 cm deep and 4 inches wide, are installed to enhance water absorption and prevent waterlogging.
- 3. Drainage System Maintenance:** UNY regularly cleans its drainage channels to prevent waterlogging and engages with the community on proper drainage construction.
- 4. Alternative Drainage:** Rainwater is channeled to building roofs via pipes, then directed to the SPAH system for proper water management.

Water Treatment at UNY Swimming Pool



UNY treats swimming pool wastewater using a filtration system that removes organic waste and small particles. The water is replaced every 3-4 years or when its quality drops. Regular cleaning includes surface netting, vacuuming the bottom, and disinfecting with chlorine. Filtration is done 1-2 times a week, lasting 5-6 hours.

Water Efficient Appliances Usage in UNY: 81%

Appliance	2023			2024			2025		
	Total Number	Total number of water Efficient appliances	Percentage (%)	Total Number	Total number of water Efficient appliances	Percentage (%)	Total Number	Total number of water Efficient appliances	Percentage (%)
Toilet	896	537	60%	896	537	60%	1255	1017	81%
Wash taps	718	437	61%	718	437	61%	718	574	80%
Average Percentage (2025 only)									81%

In 2023 and 2024, 60% of toilets and 61% of wash taps were water-efficient. By 2025, the percentage increased to 81%, with 81% of toilets and 80% of wash taps using water-efficient appliances.

On Campus Smart Water Stations: Additional 4 water stations in 2025



Descriptions	Assumptions
Days/year	365 days
Bottle sizes	0,6 Liter and 1,0 Liter
PET bottle weights	0,6 L = 0, 018 kg; 1,0 L = 0,025 kg
CO ₂ factor (bottled water lifecycle)	0.10 – 0.30 kg CO ₂ per liter
Water tariff (average)/m3	6000 IDR
Usage per station/day	Conservative = 50; Moderate = 100, High = 200

UNY now has 12 smart water stations (SWS), up from 8 last year. These stations provide 130 to 876 m³ of clean drinking water annually, replacing 219,000 to 876,000 plastic bottles. This helps avoid 3.9 to 21.9 tons of plastic waste and prevent 13 to 263 tons of CO₂ emissions. The initiative is also supported by a campus tumbler campaign.

Evaluation of Shallow Groundwater Levels in UNY's Water Conservation Program

Location of shallow wells	Groundwater level (m)				
	Year 2022 (Dec)	Year 2023 (Dec)	Year 2024 (June)	Year 2024 (Dec)	Year 2025 (June)
Monitoring well FIKK	70	79	71	81	8
Closed dug well Rectorate	100	105	89	98	9
Closed dug well FBSB	75	95	73	78	8
Open dug well land bank in Mrican Village	110	110	90	111	92

The effectiveness of UNY's water conservation efforts is assessed through shallow groundwater quality measurements at four locations: the Faculty of Engineering, Faculty of Education, UNY Auditorium, and a resident's well in Kampung Kuningan. Groundwater levels at three monitored locations on campus (FKIK, the Rectorate, and FBSB) show minimal fluctuations from 2022 to 2025, indicating the **success** of UNY's environmental management in maintaining groundwater balance.

TRANSPORTATION

THE TOTAL NUMBER OF VEHICLES (CARS AND MOTORCYCLES) DIVIDED BY TOTAL CAMPUS' POPULATION

No.	Vehicle	Total Number
1	Car managed by the university	121
2	Cars entering the university	652
3	Motorcycles entering the university	6851
	Total	7.760

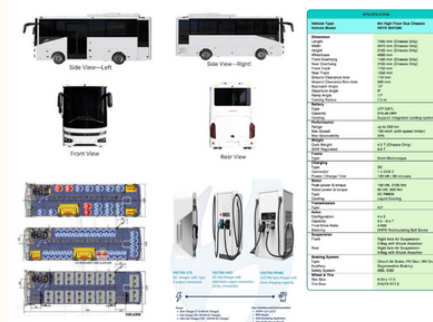
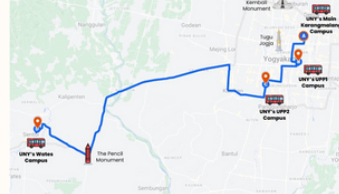
The calculation of the number of vehicles entering UNY's campus area is carried out through an ICT-based autogate system.

$$5.4 = 7.760 / 47.733 \text{ (POPULATION)} = 0,159$$

UNY'S SHUTTLE SERVICES



UNY SHUTTLE BUS ROUTE



UNY provides seven (7) free shuttle buses to support the mobility of students and staff between the main campus in Karangmalang and other campuses, namely Wates Campus, Bantul Campus, and Kenari Campus.

In 2025, UNY will operate two electric vehicle (EV) shuttle buses to support environmentally friendly transportation between campuses.



Electric Shuttle Car is also available on campus for on-campus mobilization between faculties and units.

CHARGING POINT



TRANSPORTATION

ZERO EMISSION VEHICLES (ZEV) AVAILABILITY ON CAMPUS

200 bicycle and special parking for bicycles and facilitating free bicycles for mobilization for staff and students.



PARKING AREA

No	Location	Size (m ²)
1	Parking area in Integrated parking building	2614
2	Parking area in FIPP	804
3	Parking area in FISIP	930
4	Parking area in FBSB	876
5	Parking area in FMIPA	1280
6	Parking area in FT	970
7	Parking area in FIKK	878
8	Parking area in FEB	912
9	Parking area in Kenari Campus	180
10	Parking area in Semanu, Gunungkidul Campus	120
11	Parking area in Wates Campus	450
12	Parking area in Bantul Campus	702
Total Parking Area		10716
Total campus area = 565.284 m ²		



At the end of 2024 UNY implemented a progressively priced paid parking policy as a tool to control vehicle volume on campus.

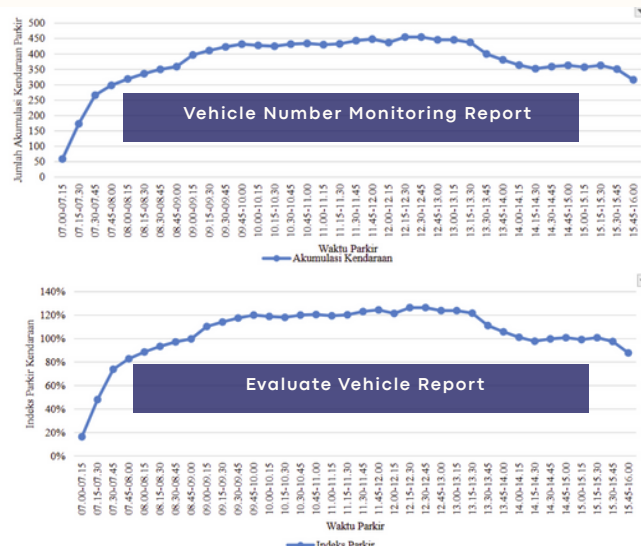


UNY limits vehicle access to the campus with a portal that displays the number of vehicles and available parking spaces. UNY also limits access to cars parked on campus to lecturers, staff, and guests only.

PEDESTRIAN PATH POLICY ON CAMPUS

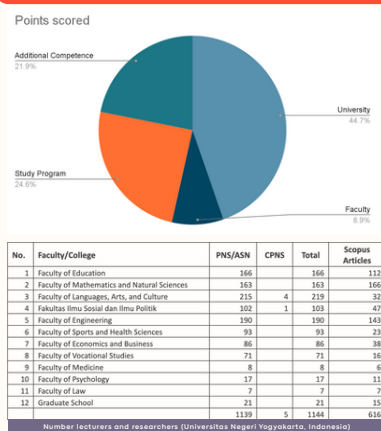


Pedestrian path policies in UNY are consistent with other initiatives in creating greener and sustainable campus. UNY ensures that pedestrians can walk comfortably and safely on the campus.



EDUCATION

DISTRIBUTION OF COURSES/SUBJECTS WITH SUSTAINABILITY



The ratio of sustainability courses to the total number of courses (subjects) at UNY is 21,22%

COURSES ALIGNED WITH THE PRINCIPLES OF SUSTAINABILITY

The total number of study programs related to sustainability offered is 82, which means 55.03% of the total number of study programs at UNY.

- University compulsory courses:** (a) Sustainable Education and Development course; (b) Inclusive Education; (c) Sport and Physical Fitness; (d) English for Specific Purpose; (e) Industrial Practice/ Internship; (e) Community Service Program.
- Additional Competency Lecturers:** (a) Digital Literacy Course; (b) Soft Skills.
- Faculty-required courses:**

No	Faculty	Faculty Required Courses related to Sustainability
1	Faculty of Education	(1) National Educational Innovation; (2) Statistics
2	Faculty of Languages, Arts, and Culture	(1) Yogyakarta Local Wisdom Education; (2) Digital Literacy
3	Faculty of Engineering	(1) Green Technology; (2) Entrepreneurship Project; (3) Health, Occupational Safety, and Environment; (4) Foundations of Technology and Vocational Education
4	Faculty of Health and Sport Science	(1) Data Analysis; (2) Digital Literacy; (3) Entrepreneurship; (4) Occupational Health, Safety and Environment
5	Faculty of Vocational Education	Creativity, Innovation, and Entrepreneurship
6	Faculty of Medicine	Bioethics and Humanities
7	Faculty of Psychology	Creativity, Innovation, and Entrepreneurship
8	Postgraduate School	Growth Mindset

Courses/Subjects Related to Sustainability Offered in Each Faculty

- Study program courses.

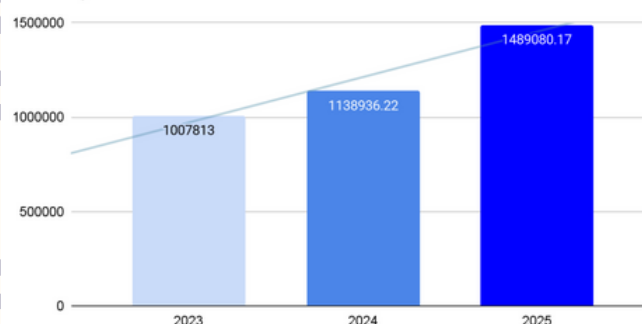
NUMBER OF SCHOLARLY PUBLICATIONS AND RESEARCH FUNDS ON SUSTAINABILITY IN 2025

- Google Scholar using the keywords "Universitas Negeri Yogyakarta & green & sustainability", there are approximately 2,090 articles related to green and sustainability.
- Google Scholar (Google Cendekia) using the keywords "Universitas Negeri Yogyakarta & green", filtered specifically for the year 2025. The search returned approximately 5,360 articles.
- Google Scholar using the keywords "Universitas Negeri Yogyakarta & sustainability" filtered for the year 2025. The search returned approximately 7,670 relevant articles.

TOTAL RESEARCH FUND IN 2025

US\$ 3.218.823,31

Research Funds Dedicated to Sustainability Research (in Dollars)



TOTAL RESEARCH FUND DEDICATED TO SUSTAINABILITY RESEARCH IN 2025

US\$ 1.489.080,17

EVENTS RELATED SUSTAINABILITY

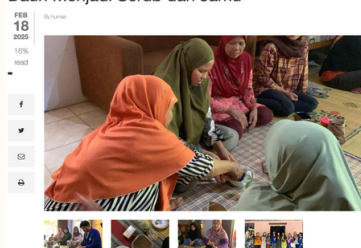


Serunya Eurasia Lecturer Series 2025! Intip Kesenangannya di Sini!

Universitas Negeri Yogyakarta (UNY) actively organizes various events that align with the Sustainable Development Goals (SDGs), contributing to both environmental sustainability and community empowerment. In 2025 UNY held 77 events related to sustainability.

Number of activities organized by student organizations related to sustainability per year

Mahasiswa KKN UNY Ajarkan Cara Mengolah Daun Menjadi Scrub dan Jamu



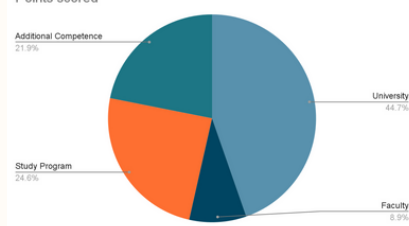
Together, 32 activities organized by students organization advance the Sustainable Development Goals, notably SDG 2, SDG 3, SDG 6, SDG 7, SDG 11, SDG 12, and SDG 13 while reinforcing UNY's campus commitment to long-term sustainability leadership.

UNY also had 341 community services related to sustainability organized by university and involving students

EDUCATION

DISTRIBUTION OF COURSES/SUBJECTS WITH SUSTAINABILITY

Points scored



COURSES ALIGNED WITH THE PRINCIPLES OF SUSTAINABILITY

The total number of study programs related to sustainability offered is 82, which means 55.03% of the total number of study programs at UNY.

The ratio of sustainability courses to the total number of courses (subjects) at UNY is 21.22%

1. **University compulsory courses:** (a) Sustainable Education and Development course; (b) Inclusive Education; (c) Sport and Physical Fitness; (d) English for Specific Purpose; (e) Industrial Practice/ Internship; (f) Community Service Program.

2. **Additional Competency Lecturers:** (a) Digital Literacy Course; (b) Soft Skills.

3. **Faculty-required courses:**

No	Faculty	Faculty Required Courses related to Sustainability
1	Faculty of Education	(1) National Educational Innovation; (2) Statistics
2	Faculty of Languages, Arts, and Culture	(1) Yogyakarta Local Wisdom Education; (2) Digital Literacy
3	Faculty of Engineering	(1) Green Technology; (2) Entrepreneurship Project; (3) Health, Occupational Safety, and Environment; (4) Foundations of Technology and Vocational Education
4	Faculty of Health and Sport Science	(1) Data Analysis; (2) Digital Literacy; (3) Entrepreneurship; (4) Occupational Health, Safety and Environment
5	Faculty of Vocational Education	Creativity, Innovation, and Entrepreneurship
6	Faculty of Medicine	Bioethics and Humanities
7	Faculty of Psychology	Creativity, Innovation, and Entrepreneurship
8	Postgraduate School	Growth Mindset

Courses/Subjects Related to Sustainability Offered in Each Faculty

4. Study program courses.

NUMBER OF SCHOLARLY PUBLICATIONS AND RESEARCH FUNDS ON SUSTAINABILITY IN 2025

Number lecturers and researchers (Universitas Negeri Yogyakarta, Indonesia)					
No.	Faculty/College	PNS/ASN	CPNS	Total	Scopus Articles
1	Faculty of Education	194		194	112
2	Faculty of Mathematics and Natural Sciences	189		189	166
3	Faculty of Languages, Arts, and Culture	245	4	249	32
4	Faculty of Social and Political Sciences	138	1	139	47
5	Faculty of Engineering	1233		233	143
6	Faculty of Sports and Health Sciences	131		131	23
7	Faculty of Economics and Business	118		118	38
8	Faculty of Vocational Studies	146		146	16
9	Faculty of Medicine	32		32	6
10	Faculty of Psychology	43		43	11
11	Faculty of Law	23		23	7
12	Graduate School	34		34	15
		1526	5	1531	616



UNY has an information system that contains information on the development of the number of lecturers and educational staff through the siap.uny.ac.id system.

1. Google Scholar using the keywords "Universitas Negeri Yogyakarta & green & sustainability", there are approximately 2,090 articles related to green and sustainability.
2. Google Scholar (Google Cendekia) using the keywords "Universitas Negeri Yogyakarta & green", filtered specifically for the year 2025. The search returned approximately 5,360 articles.
3. Google Scholar using the keywords "Universitas Negeri Yogyakarta & sustainability" filtered for the year 2025. The search returned approximately 7,670 relevant articles.

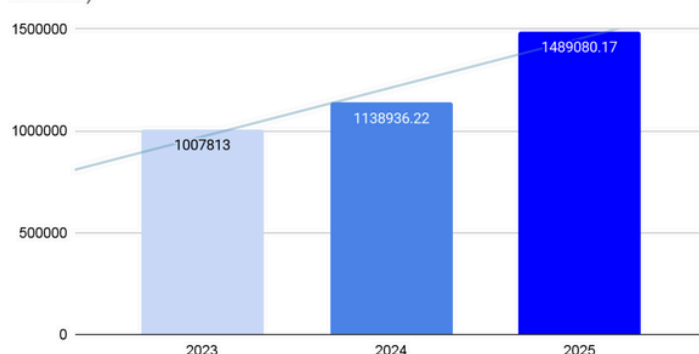
TOTAL RESEARCH FUND IN 2025

US\$ 3.218.823,31

TOTAL RESEARCH FUND DEDICATED TO SUSTAINABILITY RESEARCH IN 2025

US\$ 1.489.080,17

Research Funds Dedicated to Sustainability Research (in Dollars)



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

$$\text{Ratio} = \frac{\text{Total lecturers and researchers in one year period}}{\text{Total scholarly publication in one year period}}$$

$$\text{Ratio} = \frac{7.150}{1.531} = 4,67$$



EDUCATION

EVENTS RELATED SUSTAINABILITY

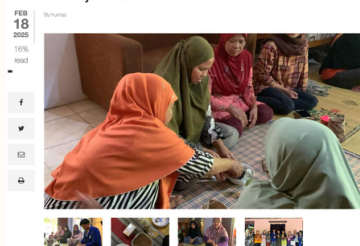


Serunya Eurasia Lecturer Series 2025! Intip Keseruan di Sini!

Universitas Negeri Yogyakarta (UNY) actively organizes various events that align with the Sustainable Development Goals (SDGs), contributing to both environmental sustainability and community empowerment. In 2025 UNY held 77 events related to sustainability.

Number of activities organized by student organizations related to sustainability per year

Mahasiswa KKN UNY Ajarkan Cara Mengolah Daun Menjadi Scrub dan Jamu



Together, 32 activities organized by students organization advance the Sustainable Development Goals, notably SDG 2, SDG 3, SDG 6, SDG 7, SDG 11, SDG 12, and SDG 13 while reinforcing UNY's campus commitment to long-term sustainability leadership.

UNY also had 341 community services related to sustainability organized by university and involving students

Cultural Activities on Campus related to have an impact on sustainability



Yogyakarta State University (UNY) has organized 18 cultural activities ranging from traditional festivals and performances

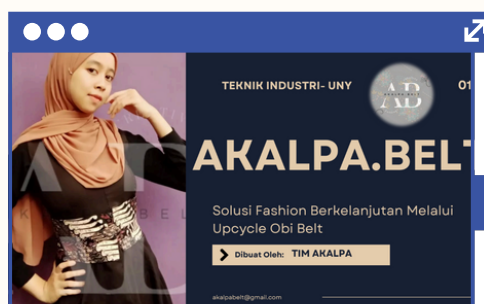
37 sustainability programs with international collaborations



Together, 32 activities organized by students organization advance the Sustainable Development Goals, notably SDG 2, SDG 3, SDG 6, SDG 7, SDG 11, SDG 12, and SDG 13 while reinforcing UNY's campus commitment to long-term sustainability leadership.

SUSTAINABILITY-RELATED STARTUPS

Total number of sustainability-related startups initiated and managed by university in 2025 = 20 startups

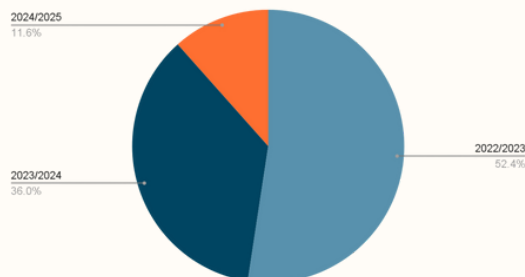


Akalpa.Belt is a student-founded sustainable fashion venture that tackles textile waste from fast fashion by upcycling used garments and fabric off-cuts into premium, reversible Obi Belts.

EDUCATION

UNIT(S) OR OFFICE(S) THAT COORDINATE SUSTAINABILITY ON CAMPUS

Graduates with Green Job



ACROSS THE LAST THREE ACADEMIC YEARS, THE UNIVERSITY HAD 13,650 GRADUATES, WITH **1,422** ENTERING GREEN JOBS (ABOUT **10.4%**).

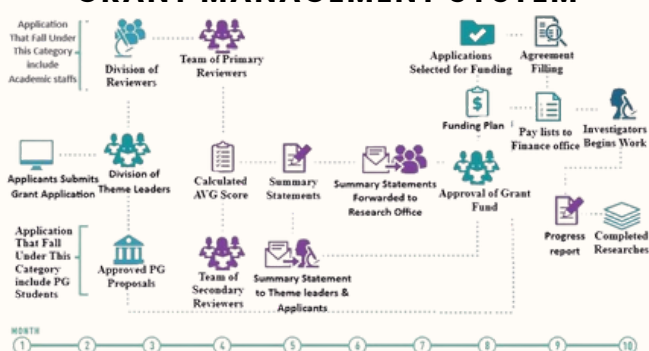
UNIT(S) OR OFFICE(S) THAT COORDINATE SUSTAINABILITY ON CAMPUS

1. Office of Cooperation and Internationalisation
2. International Office
3. Disability Centre
4. Scientific Journal Centre
5. Disaster Mitigation and Climate Change Center
6. Occupational Safety and Health Center
7. Center of Excellence in Science, Technology, Arts, and Sports
8. SDG's Corner
9. Directorate of Innovation and Entrepreneurship
10. Plaza UNY
11. Unit of Community Service, Field-based Teaching Practice, Industrial Practice, and Internship
12. Digital Library
13. UNY Ranking Team

There are some units/offices that coordinate or are related to sustainability. The existence of this institution aligns with policy implementation at the university, which is [Peraturan Rektor Universitas Negeri Yogyakarta Nomor 7 Tahun 2025 tentang Organisasi dan Tata Kerja Universitas Negeri Yogyakarta](#).

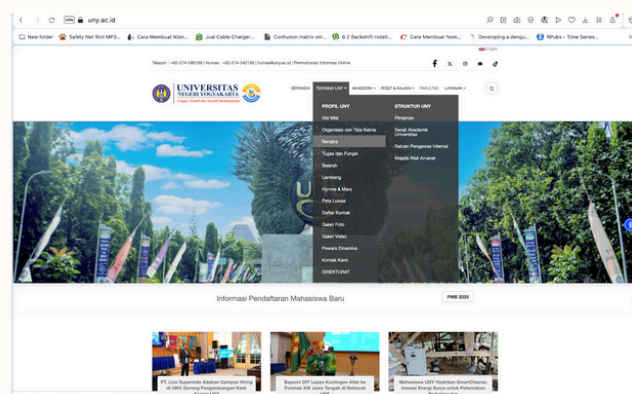
PLANNING, IMPLEMENTATION, MONITORING AND/OR EVALUATION OF UNIVERSITY GOVERNANCE THROUGH THE UTILIZATION OF INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

GRANT MANAGEMENT SYSTEM



Planning Document available in university website
<https://uny.ac.id/>

UNY has a periodic planning system outlined in a strategic plan document. The public and academic community can access it through the website provided by UNY.





SUSTAINABILITY REPORT UNY 2025



+62274-586168



www.uny.ac.id



www.sdgs.uny.ac.id