



SUSTAINABLE DEVELOPMENT GOALS REPORT

A Report on the Implementation of Sustainable Development Goals



2023

UNY AT A GLANCE

Founded in 1964, Universitas Negeri Yogyakarta (UNY), formerly the Yogyakarta Institute of Teacher Training and Educational Sciences, is a public university in Yogyakarta, Indonesia. The main campus of UNY, occupied on the Karangmalang campus, covers 565.284 m² of land and has become one of the leading universities in educational fields. It also has four other campuses in Yogyakarta, including the Mandala Campus, Bantul Campus, Wates Campus, and Gunung Kidul Campus.

This university has over 30,000 students organized by 9 faculties and 1 graduate school, including the Faculty of Education and Psychology; Faculty of Mathematics and Natural Sciences; Faculty of Languages, Arts, and Culture; Faculty of Social Sciences, Law, and Political Sciences; Faculty of Engineering; Faculty of Sports and Health Sciences; Faculty of Economics and Business; Faculty of Vocation; Faculty of Medicine and Graduate School. In 2023, there are 20 Applied Bachelor Study Programs, 66 Bachelor Study Programs, 38 Master Programs, and 21 Doctoral Programs. As one of the respectable universities in Indonesia, UNY always leads to focus and improves learning, teaching, and research activities by offering outstanding facilities and services.



INTRODUCTION

We recognize the significant responsibility that universities, including Universitas Negeri Yogyakarta (UNY), have to actively contribute to the generation and dissemination of knowledge to tackle the obstacles outlined in the 2030 Agenda for Sustainable Development.

With social responsibility as a fundamental objective, UNY, a global leader in education, approaches the SDGs through three interconnected channels: our research, instruction, and community service-based public engagement initiatives.

Sustainable development, on the other hand, is a job that people, businesses, and non-profits in the public, private, and third sectors all need to do. This is true locally, nationally, and worldwide. We've pushed for sustainable growth through the steps in our Future strategic plan, relationships at the regional, national, and global levels, and our promise to be open and honest in writings like this.

Local, national, and international audiences, including those in the public, private, NGO, policy, and education sectors, are the intended readers of this report. We aspire for it to inspire additional concepts, initiatives, collaboration prospects, and partnerships so that collectively, we can effectively address the global Sustainable Development Goals by 2030.

Prof. Dr. Sumaryanto, M.Kes., AIFO.

Rector

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“UNY IS COMMITTED TO PROVIDING FINANCIAL AID AND IMPLEMENTING ANTI-POVERTY INITIATIVES FOR STUDENTS AND THE BROADER COMMUNITY”

UNIVERSITY POLICY

Universitas Negeri Yogyakarta (UNY) is dedicated to supporting students from low-income backgrounds through various [national](#) and [international scholarship](#) programs. The [KIP Kuliah scholarship](#), funded by the government, fully covers tuition and living expenses for eligible students, helping reduce financial barriers to higher education. UNY also offers an affirmative admission pathway for students from underdeveloped, remote, and outermost (3T) regions, providing greater access to university admission.



[Monitoring Session](#) of Affirmative Education Scholarship Student at UNY

To support student success, UNY monitors the academic progress of economically disadvantaged students, ensuring they receive the guidance needed to graduate on time. In 2023, 16 students from 3T areas graduated through the *Afirmasi Pendidikan Tinggi* (ADIK) program, highlighting the initiative's impact.

UNY also provides [free counseling services](#), [subsidized campus dormitory](#), and [options for fee reductions](#), including access to KIP Kuliah.



[Welcoming Ceremony](#) for UNY International Students

The *Kemitraan Negara Berkembang* ([KNB](#)) scholarship allows international students from low- and middle-income countries to pursue Master's and Doctoral opportunities at UNY.

PUBLIC ENGAGEMENT

UNY supports the local community in establishing sustainable businesses through both free and paid services. The [free support](#), led by UNY's Business Incubator, empowers tech-based entrepreneurs via programs like PPBT, CPPBT, and WMP, fostering international collaboration and access to global resources. Paid services are offered through "[UNY Mbangun Deso](#)," which integrates initiatives such as Thematic Community Service (KKN) and Desa Binaan to build resilient villages. An example is the Kampung Emas in Krapyak Village, which promotes sustainable agriculture, arts, and education.



UNY provides [financial assistance and mentoring to support local startups and MSMEs](#) in Yogyakarta. Through a program led by the Faculty of Economics and Business (FEB) Student Creativity Team, UNY helps businesses prepare for funding assessments by focusing on financial planning, risk management, and business strategy. This hands-on guidance strengthens participants' ability to attract investors and enhances their market competitiveness, empowering them to grow sustainably and positively impact the local economy

UNY enhances access to basic services through direct partnerships like the [Matching Fund with Kedaireka](#), fostering innovation and societal impact, and indirectly through [Thematic Community Service and Desa Binaan programs](#). These initiatives empower villages with skills training and entrepreneurship, supporting economic self-sufficiency and reducing rural-urban disparities



[MSME Products Supported by UNY](#)

UNY actively participates in policy-making at various levels to help end poverty in all its forms. [Locally](#), UNY implements policies to ensure equal access to quality education, particularly for students from low-income families. Through Rector Decrees, UNY has established guidelines for adjusting tuition fees based on students' economic backgrounds, easing financial burdens for those in need. [Regionally](#), UNY contributes to poverty reduction through policymaking and regional initiatives like Kampung Emas, a living lab in Krapyak Village, Sleman, aimed at community empowerment in education, culture, and the economy. [At national level](#), UNY supports the 2023 Kartu Indonesia Pintar (KIP) scholarship program, which provides financial aid and living allowances to students from low-income families. Through transparent selection processes, UNY ensures that eligible students can access higher education without financial barriers.

UNY supports [global poverty reduction](#) by participating in the *Kemitraan Negara Berkembang* (KNB) scholarship, providing financial access to quality education for students from Low or lower-middle income countries. The KNB program at UNY offers Master's and Doctoral opportunities, fostering academic growth and cross-cultural cooperation. UNY's involvement strengthens international relations and contributes to sustainable human development.

“UNY MANAGES CAMPUS FOOD WASTE STRATEGICALLY, ADDRESSING STUDENT HUNGER AND PROMOTING SOLUTION TO SUPPORT NATIONAL FOOD SECURITY”

2 ZERO HUNGER



UNIVERSITY POLICY



UNY has facilitated the establishment of [cafeterias](#) and the development of a food court open to the public to meet food needs on campus. Additionally, under [Rector Regulation No. 16/2021 on Green Campus](#), UNY manages waste effectively.

OUR RESEARCH



UNY has published 20 scientific papers related to Zero Hunger. One notable study, led by [Yustina Rahma Sari](#) during her community service in Bojong Village, Purworejo, focused on converting banana stems into healthy snacks. This innovation not only reduces waste by utilizing banana stems that would otherwise be discarded, but also creates economic value by transforming them into nutritious products for local residents.

CAMPUS FOOD WASTE



UNY has implemented a campus food waste management system, using organic food waste to cultivate maggots. This initiative helps reduce food waste, produces high-protein animal feed, generates quality organic fertilizer, and offers an economical solution. UNY has also shared this knowledge beyond the campus, including with the community in [Beteng Village](#), Klaten.

HUNGER INTERVENTION

UNY has implemented a program to address student food insecurity, every faculty at UNY has a canteen offering affordable and filling meals, including options for special dietary needs like vegetarian and vegan dishes (e.g., gado-gado, lotek, nasi rames). The food courts at Plaza UNY and other faculties provide a variety of meals, snacks, and beverages.





Additionally, [FBSB Faculty's canteen](#) promotes eco-friendly practices, such as handwashing, waste segregation for composting, and encouraging timely attendance in classes.

UNY also allocates [funds for staff daily meals](#) as part of their welfare package, allowing them to purchase meals in the campus canteens or bring meals from home.

NATIONAL HUNGER



At the national level, UNY trains and mentors farmers in Sokoliman, Gunungkidul, using the [Audio Bio Harmonic System \(ABHS\)](#) to improve crop yields with environmentally-friendly sound waves from animals.

At the national level, UNY trains and mentors farmers in Sokoliman, Gunungkidul, using the [Audio Bio Harmonic System \(ABHS\)](#) to improve crop yields with environmentally-friendly sound waves from animals. UNY initiated the "[Kampung Emas](#)" program in Sayegan, focusing on sports, arts, poultry farming, vegetable cultivation, and culinary arts. The program formed 15 farming groups and 16 goat farming groups, offering training in management, seed distribution, maintenance, packaging, and sales.



UNY also prioritizes locally sourced, sustainable products, promoting local food through its [annual Culinary Festival](#). This event, part of student coursework, showcases student-created dishes using traditional or locally sourced ingredients.





UNIVERSITY POLICY



UNY enforces a no-smoking policy under [Rector's Regulation No. 16 of 2021](#) (amending Regulation No. 20 of 2017), supporting a healthier and greener campus.

PUBLIC ENGAGEMENT

UNY has taken significant steps in collaborating with health institutions at both local and national levels to improve the overall well-being of its students, staff, and the surrounding community. One notable collaboration is with [PT Kimia Farma Diagnostika](#), through which UNY has expanded its health facilities on campus. This partnership aims to provide accessible healthcare services, ensuring that students and staff have the support they need for physical well-being. These health facilities cater to various needs, from general check-ups to more specialized medical services, contributing to a healthier campus environment.



Additionally, UNY actively promotes sports, organizing both internal events for the university community and inclusive activities involving the public. These initiatives contribute to physical well-being, community engagement, and the university's commitment to health and sustainability.



Sport facilities at *Taman Olahraga Masyarakat (TOM) UNY*

UNY promotes physical fitness by offering its sports facilities to the public, including free access to the *Taman Olahraga Masyarakat (TOM)* with an athletics track and fitness equipment. This initiative supports regular physical activity to enhance the health and well-being of the local community.



UNY's sports facilities are frequently used to host national-level events, further demonstrating the university's role as a center for sporting excellence. The university's Sports Hall has hosted high-profile events such as national basketball competitions and the **PORKA** (Pekan Olahraga Kereta Api) sports festival.



RESEARCH



UNY students have created a healthy drink, **Susu Ketan Najah**, as a response to the growing consumption of sugar-sweetened beverages (SSBs). This innovative drink aims to reduce the intake of high-sugar drinks, addressing the fact that Indonesia ranks third in Southeast Asia for SSB consumption.



UNY students developed a **Sea Water Desalination system** that turns seawater into fresh drinking water. This innovation addresses the critical issue of freshwater access for fishermen at sea, ensuring they stay hydrated and healthy during long trips.

MENTAL HEALTH SUPPORT

Students of KKNR 8600 UNY in Senuko, Sidoagung, Godean, Sleman, held an anti-bullying awareness event for the children at TPA Masjid Baitussalam Senuko. Led by Paujian Anggara Putra, the aim was to educate children about bullying and raise awareness of this social issue. The event included watching an animated video, a presentation, **anti-bullying** songs, chants, and a quiz. Bullying can lead to depression, anxiety, loneliness, sleep and eating disorders, and a loss of interest in previously enjoyed activities. Victims may also experience decreased self-confidence, lower academic performance, and higher chances of school truancy and dropout.



UNIVERSITY POLICY

UNY expands educational access beyond its student body through a variety of public resources, events, and training programs, reflecting its dedication to lifelong learning.

The university offers online courses, access to campus facilities, and open educational materials, enabling community members to gain valuable skills and formal recognition. These resources are highlighted on the [Glacier](#) platform, showcasing UNY’s efforts to democratize education for all.

PUBLIC ENGAGEMENT



UNY hosts a range of public lectures, workshops, and seminars, both free and paid, that encourage community engagement and lifelong learning across diverse fields. Recently, UNY partnered with the [UNESCO Teachers Education Center](#) to conduct leadership training for school principals, teacher training, and vocational training for educators in Indonesia

UNY offers vocational training for the public through executive education and short courses that build practical skills and workforce readiness. These ad hoc programs include training on the [2013 Curriculum learning model \(MiKIR\)](#), culturally responsive teaching (CRT), and the Teaching at the Right Level (TaRL) approach

UNY’s outreach also includes community lectures and demonstrations where faculty and students engage with local communities and schools. These initiatives, often involving student volunteers, help foster leadership and social responsibility. For example, UNY’s Lecturer PkM Team recently held [biopharmaceutical training for women farmer groups](#) in Sendangsari Village



UNY’s access policy ensures that lifelong learning initiatives are inclusive and accessible to everyone, reflecting the university’s commitment to nondiscrimination and community impact. These principles are outlined in the [2023 Academic Regulations](#)



UNIVERSITY POLICY



Universitas Negeri Yogyakarta (UNY) enforces a strict [zero-tolerance policy on sexual violence](#), aligned with the Ministry of Education and Culture's directives. The policy includes education programs for students, faculty, and staff on recognizing, preventing, and addressing harassment. A dedicated task force works with campus counseling and legal services to ensure a victim-centered, fair response.

UNY strengthens its commitment through restorative measures, including workshops, counseling, and social media campaigns. This holistic approach fosters a respectful campus culture and encourages active bystander intervention, ensuring safety and dignity for the entire community.

RESEARCH

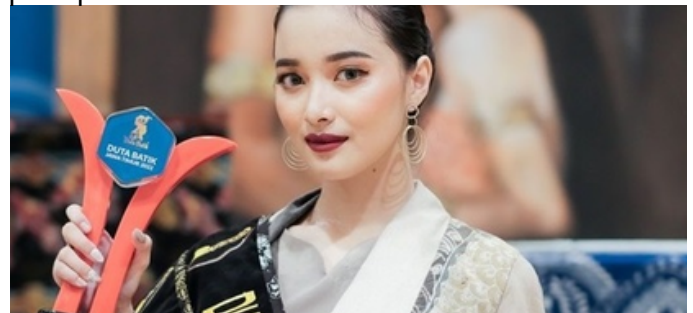
In 2023, female researchers at Universitas Negeri Yogyakarta (UNY) authored about 37.18% of publications, a drop from nearly 49% in 2022. Female authorship rates have fluctuated from 2018 to 2023, peaking in 2022. UNY's diverse research output,

featured in journals like *Cakrawala Pendidikan*, showcases significant contributions by [female scholars](#), especially in educational research.

EMPOWERING WOMEN



UNY prioritizes gender equality in science education by actively promoting the involvement of [women and girls in STEM](#). It focuses on practical initiatives to create inclusive learning environments, ensuring equal opportunities and embracing diverse perspectives.



UNY supports female students' achievements, exemplified by the [Duta Batik Jawa Timur winner](#), who showcases leadership and cultural heritage in male-dominated spaces. Her recognition highlights women's strength in cultural representation and emphasizes the need for equal opportunities and systemic support for women in all fields.



ENSURING SUSTAINABLE WATER AVAILABILITY AND MANAGEMENT AS WELL AS SANITATION

UNIVERSITY POLICY

UNY's policy on clean water and sanitation is outlined in [Rector Regulation No. 16 of 2021](#) under the Green Campus initiative. Groundwater quality is monitored every semester through testing of campus and nearby residents' wells. This is coordinated by the UNY Center for Disaster Mitigation and Climate Change. The results guide preventive actions to reduce health risks from contaminated water.

UNY supports off-campus water conservation by [planting 2,000 trees at Pantai Bidara Kulonprogo](#) as part of its environmental focus.



WATER USAGE AND CARE

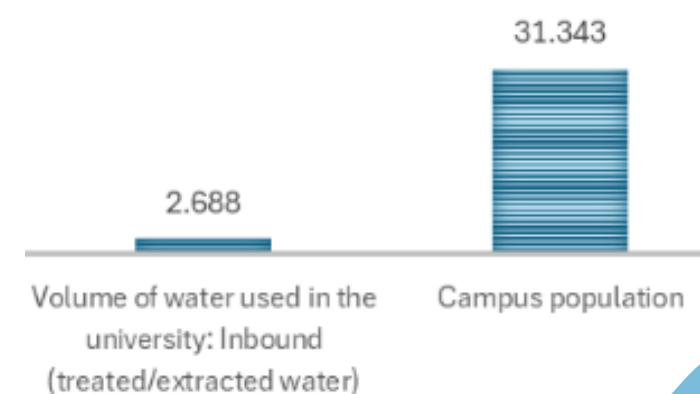


UNY implements a water recycling program, using [recycled ablution water from the Mujahidin Mosque](#) for fishponds and plant irrigation. The water is collected, aerated, and reused for these purposes.

UNY also implements [rainwater harvesting technology](#) at the Vokasi Gunungkidul Campus. This system collects rainwater from building rooftops, stores it in reservoirs, and repurposes it for campus needs, such as irrigation, toilet use, and cleaning, while also reducing flood risk.



To prevent water system pollution, UNY conducts [regular maintenance of drainage systems](#), including cleaning gutters and removing weeds or plants that may obstruct rainwater flow and cause flooding. This routine activity aims to minimize the risk of water accumulation and mitigate potential flood hazards caused by blocked drainage channels.





ENSURING EVERYONE HAS ACCESS TO MODERN, DEPENDABLE, AND AFFORDABLE ENERGY

UNIVERSITY POLICY



Universitas Negeri Yogyakarta (UNY) has implemented three key initiatives to address climate change and energy efficiency. First, the university prioritizes building designs with natural lighting and ventilation.

Second, UNY uses advanced technology to enhance energy efficiency, including variable speed drives, active filters, capacitor banks, and smart building systems such as SCADA for load monitoring and control. These systems integrate devices like smoke sensors, light sensors, and ENERGY STAR computers to optimize energy use.

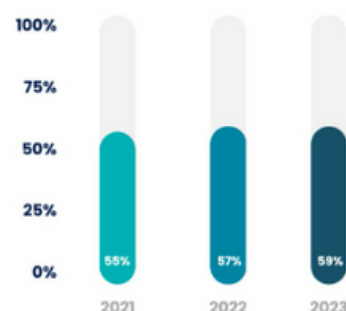
Lastly, UNY is upgrading old equipment used in teaching and management. These efforts reflect the university's commitment to smart buildings, energy efficiency, and the Sustainable Development Goals (SDGs), as per the [Rector's Regulation No. 16 of 2021](#).

PUBLIC ENGAGEMENT

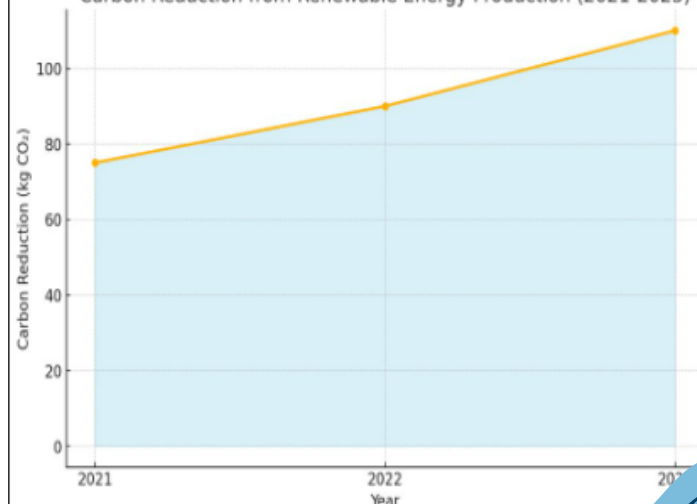
Professors from Universitas Negeri Yogyakarta (UNY) partnered with a goat farming group in Dusun Leses, Manisrenggo, Klaten, to establish a solar power plant (PLTS) for sustainable energy. The solar plant provides electricity to goat pens and refrigerators, complementing the state electricity supply.

This initiative was prompted by frequent power outages from PLN, which affected milk storage quality. The solar power plant has significantly improved milk production quality and highlights UNY's commitment to community empowerment and green energy, supporting sustainable development goals.

Upgrade buildings to higher energy efficiency (%)



Carbon Reduction from Renewable Energy Production (2021-2023)





IMPROVING CAREER OPPORTUNITY

UNIVERSITY POLICY

UNY ensures fair wages and working conditions for its employees, governed by Rector's Regulation No. 16 of 2018 on Human Resources. This regulation covers recruitment, performance, career development, salary, discipline, and dismissal. UNY also enforces academic ethics through Rector's Regulations No. 4 and No. 5 of 2015, promoting mutual respect and non-discrimination, with sanctions for violations.

To prevent sexual violence, UNY issued [Rector's Regulation No. 6 of 2022](#), outlining prevention, sanctions, and task force roles. The university also supports gender equality, with more female lecturers in leadership roles and gender equality studies included in its research roadmap. For academic freedom, UNY follows Rector's Regulation No. 8 of 2013.

ECONOMIC GROWTH

UNY actively contributes to community economic empowerment through the Directorate of Research and Community Development (DRPM), offering research and service programs for both the academic and broader community. The university's Science and Technology Center of Excellence conducts multi-disciplinary research relevant to current science and technology trends, with five key centers focusing on areas like AI in education, sports technology, environmentally friendly transportation, and leadership skills.

Additionally, UNY supports start-ups through its business and innovation incubator. It also provides scholarships for outstanding and underprivileged students in partnership with various organizations and offers student employment opportunities within the university.

CAREER DEVELOPMENT

UNY's career development is managed by the Competency and Training Unit under the Directorate of Professional Education. The university collaborates with over 200 domestic and international companies to offer career talks, job fairs, certifications, scholarships, and internships. Internship programs are mandatory for all students and part of the curriculum. UNY also focuses on developing soft skills such as communication, leadership, and collaboration. As a result, 85% of UNY graduates secure jobs in their field within an average of 2.9 months.



LEVERAGING DIGITAL INNOVATION TO BUILD RESILIENT AND INCLUSIVE INFRASTRUCTURE IN DEVELOPING ECONOMIES

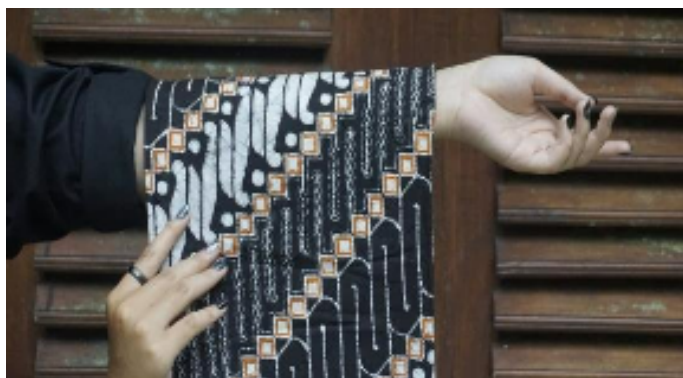


UNIVERSITY POLICY

As part of its 2020-2025 Strategic Plan, UNY aims to ensure clean governance and services, focusing on good, dignified practices in higher education autonomy. To support this, UNY organized a socialization event on improving goods/services procurement management.

The Direct Procurement Management Information System (SIMPeL) facilitates electronic direct procurement and manages procurement data, producing reports for spending analysis, standard cost analysis, and other managerial needs in line with regulations.

INDUSTRY & INNOVATION



UNY supports the development of [digital marketing for local batik artisans in Kulonprogo](#). This project teaches craftspeople digital skills like e-commerce, online advertising, and social media to help them sell batik products locally and globally. By shifting to digital platforms, artisans can reach a wider market, boosting community development and small business sustainability. The increased

visibility of Kulonprogo batik promotes both local heritage and Indonesia's cultural legacy worldwide, helping artisans thrive in the modern economy.



UNY students have created a batik trend inspired by the Acehese Bungong Jeumpa flower, symbolizing beauty and cultural pride. This blend of Acehese and Javanese art modernizes batik, appealing to new generations and global markets. It celebrates Acehese heritage, promotes Indonesia's cultural diversity, and boosts the local fashion industry, enhancing Indonesia's global presence.



[UNY alumni inspire young agricultural entrepreneurs](#) who use technology and sustainable practices to modernize farming. Supported by governments and organizations, they tackle food security, rural employment, and youth disengagement by leveraging digital tools and green technology. These efforts boost productivity, create jobs, and promote sustainability, transforming agriculture into a thriving, adaptable sector for the future.



ADVANCING EQUALITY IN UNY: EMPOWERING EVERY VOICE

UNIVERSITY POLICY

UNY upholds human dignity and equality, free from discrimination based on religion, ethnicity, ability, or socio-economic status. This commitment is reflected in the ethics required of all [lecturers](#), [staff](#), and [students](#).

UNY also ensures equal access to high-quality education for students with disabilities, as outlined in [Rector Regulation No. 9/2023 on Disability Services](#).

OUR PROJECTS



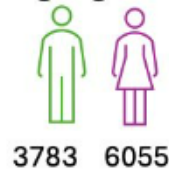
Lecturers from Universitas Negeri Yogyakarta, Nur Azizah, Ph.D., and Pujaningsih Ed.D., received prestigious grants from the Alumni Grants Schemes (AGS) Australia and the Alumni Engagement Innovation Fund (AEIF) USA to promote [Universal Design for Learning \(UDL\)](#) for students with disabilities in higher education. The project developed UDL modules and workshops for Indonesian lecturers, with over 300 participants benefiting.

The UDL modules are available online via MOOCS at [GLACIER UNY](#) has taken significant steps in collaborating with health institutions at both local and national levels to improve the overall well-being of its students, staff, and the surrounding community. Workshops were held in Padang, Banjarmasin, and Yogyakarta. The project culminated in a UDL summit on July 7, 2023, attended by 160 offline and 189 online participants from 71 universities and institutions. The summit featured speakers from The University of Sydney and Thompson Rivers University, showcasing UDL practices implemented by workshop participants.

OUR PUBLICATION

In 2023, UNY researchers focused on SDG 10, [reducing inequality](#). Their work covered inclusive education, empowering disadvantaged groups, and supporting low-income households. UNY collaborated with local and international partners to enhance these efforts.

First Generation Students
starting degree in 2023



81 ARTICLES
INDEXED AT

Scopus®

SHARING FACILITIES AND ENGAGEMENT CULTURAL EVENT



UNIVERSITY POLICY

UNY has implemented a green space policy based on Yogyakarta Mayor Regulation No. 17 of 2021 on Public Green Open Spaces and Public Facilities. For development, UNY follows several regulations, including the 2023-2026 UNY Strategic Plan and the Ministry of Public Works and Housing Regulation No. 02/PRT/M/2015 on Green Building Standards. Additionally, UNY promotes a green campus concept outlined in [Rector Regulation No. 16 of 2021](#), amending Regulation No. 20 of 2017 on the Green Campus at UNY.

ARTS AND HERITAGE

Public access to buildings

[Taman Olahraga Masyarakat](#) (TOM) at UNY offers green spaces, a jogging track, and outdoor sports equipment, accessible to the public free of charge, except for commercial events. Occasionally, its mini public stage is used for rehearsals, discussions, or public meetings.



UNY provides public access to its library, including books and publications. Full access is available for library members, while non-members can only read on-site. UNY offers both conventional and digital libraries.



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UNY offers the Museum Pendidikan Indonesia (MPI) as a cultural monument. It is free for researchers and has an admission fee for the general public



Public access to green spaces at UNY includes sports fields, such as football and softball fields, as well as gardens. These spaces can be used for academic discussions or other activities. They are accessible to UNY's community and the public, provided they adhere to the applicable regulations.



EXPENDITURE ON ARTS AND HERITAGE

UNY preserves cultural values through activities such as the Education Festival for the Indonesian Education Museum’s anniversary, the 2023 "SUMINTEN EDAN" Kethoprak performance by UNY professors, and various other events.

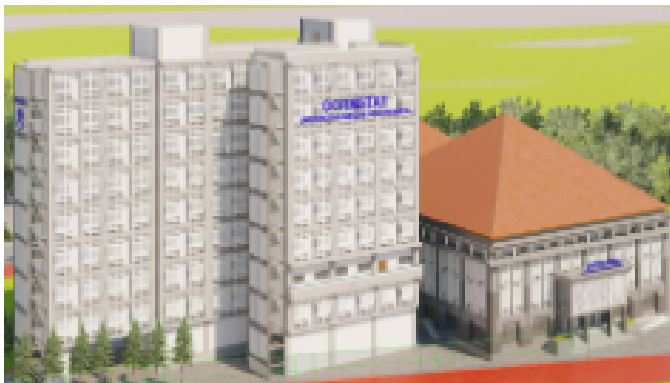
University expenditure
Rp 792,465,664,429

University expenditure on arts and heritage
Rp 42,843,662,401



UNY’s development plan focuses on sustainable, well-structured growth, addressing urgent needs while prioritizing environmental aspects. This plan is outlined in the campus masterplan, ensuring a sustainable future for the university.

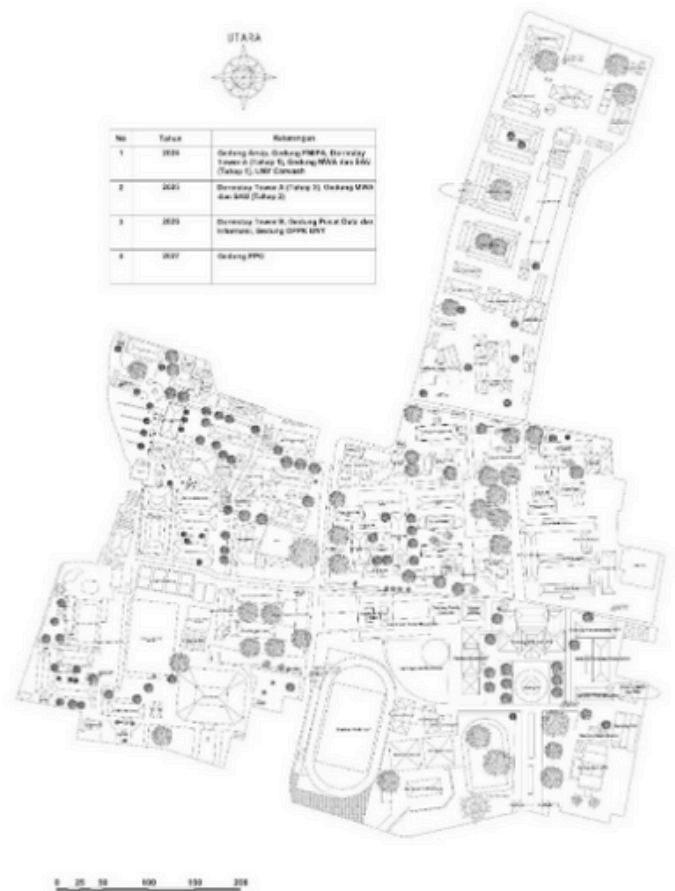
SUSTAINABLE PRACTICES



UNY provides affordable student housing through Dormstay, which offers 427 rooms in a 12,160 m² building on the Karangmalang campus. This facility aims to support student learning, helping them focus and develop the character needed to become impactful educators after graduation.


UNY has integrated pedestrian pathways throughout the campus, prioritizing comfort. Many paths are shaded by climbing plants, creating a green, pleasant walking environment.

MASTERPLAN UNIVERSITAS NEGERI YOGYAKARTA



SUSTAINABLE RESPONSIBLE CONSUMPTION, ZERO EMISSIONS, AND RENEWABLE ENERGY MANAGEMENT FOR A GREENER TOMORROW

UNIVERSITY POLICY



UNY is dedicated to environmental sustainability through initiatives like providing bicycles, using renewable energy (biogas and solar panels), implementing waste management (recycling and composting), promoting eco-friendly vehicles (bicycles and electric vehicles), developing green spaces, and incorporating environmental education into the curriculum. These efforts align with global green campus standards, as outlined in [Rector Regulation Number 16 of 2021](#). UNY aims to produce graduates who are aware of environmental challenges and equipped with the knowledge and skills to address them.



PROPORTION OF RECYCLED WASTE

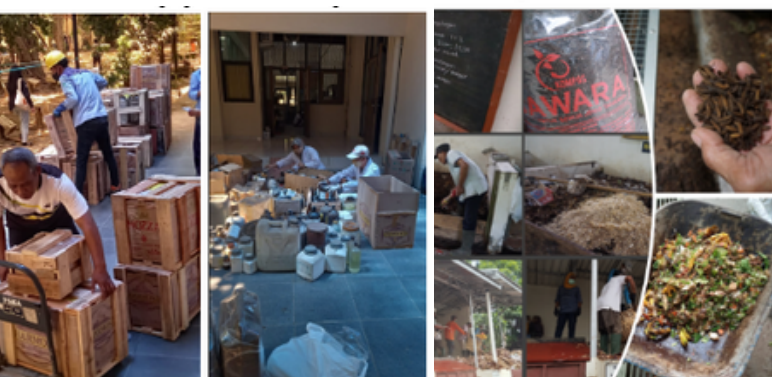
As per Regulation Number 20 of 2017, UNY manages its green campus under the Rector's guidance, with trash bins provided to separate organic and inorganic waste. Organic waste, including food scraps, leaves, and vegetation, is collected and processed using composters, eco enzymes, and maggots, recycling about 114.12 tons per year (52%). Inorganic waste, making up 20% of total waste, is upcycled, with 1.8 tons of non-toxic materials such as paper and plastics being processed annually.

Paper waste is the most significant at UNY, with actions initiated since 2017 and reinforced by the Rector's policy to reduce paper use and limit single-use plastics.



Hazardous waste from student practicums, including toxic substances, is carefully managed. It is stored in holding tanks and collector drums, which are tagged for proper disposal. Once full, these containers are handled by PT. Arah Indonesia Environmental, with whom UNY has collaborated annually for waste management.

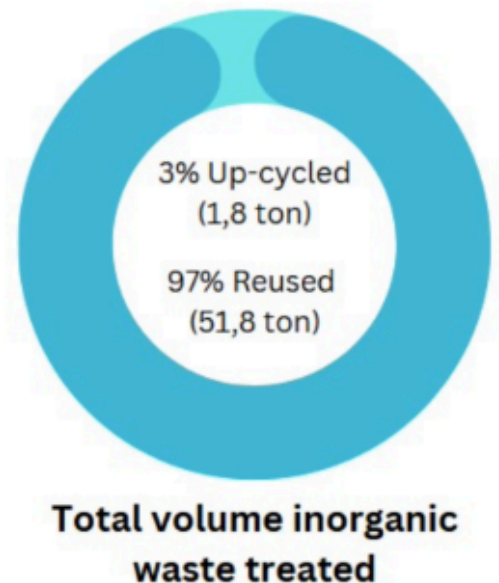
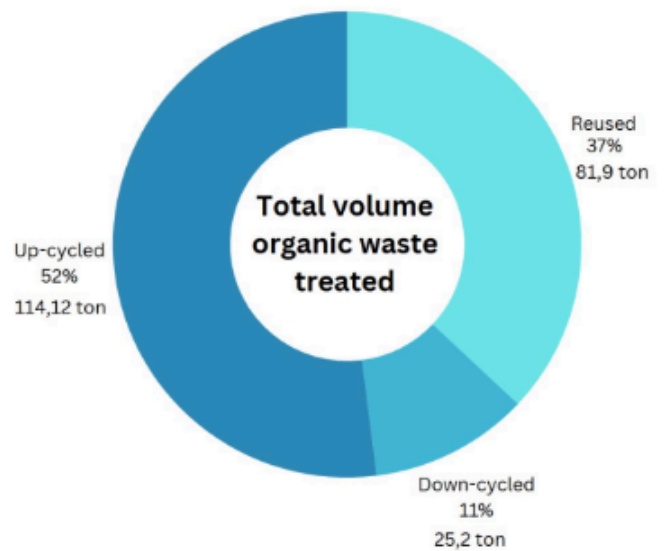
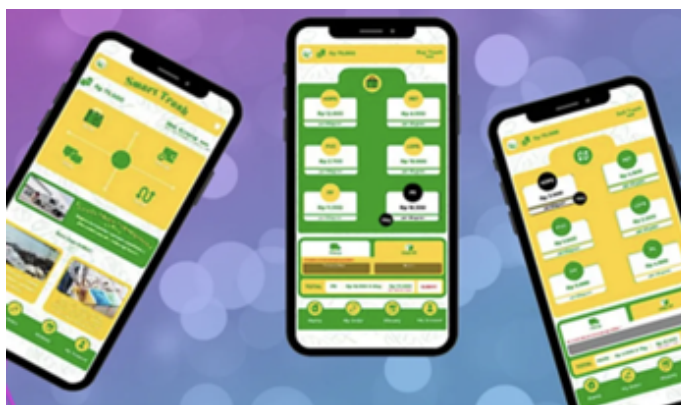
As part of its evaluation, UNY produces a Sustainability Report covering economic, environmental, social, and governance performance, along with university strategies. These forward-looking statements are subject to risks and uncertainties, which may lead to outcomes differing from those projected.



UNY, through its lecturers and students, has actively disseminated composting and composter training to the community as part of its community service efforts. This initiative, broadcasted live by local media, aims to empower the community in compost fertilizer production, showcasing the collaboration between higher education and local communities for environmental sustainability.

The program, themed "Emergency Waste Management with a Zero Waste System Approach," includes three main activities: (1) Training on Stacked Bucket Composters for Waste Banks, (2) Empowering EcoStamping Textile MSMEs, and (3) Urban Farming to optimize limited land use. These activities are centered in Robin Park, Cokrodiningratan.

UNY has also developed a waste management application (WAMAS) in its second version to monitor organic, inorganic, and toxic waste, with usage extended to all academic members of UNY.





ENCOURAGING GREEN CAMPUS PROGRAM

UNIVERSITY POLICY

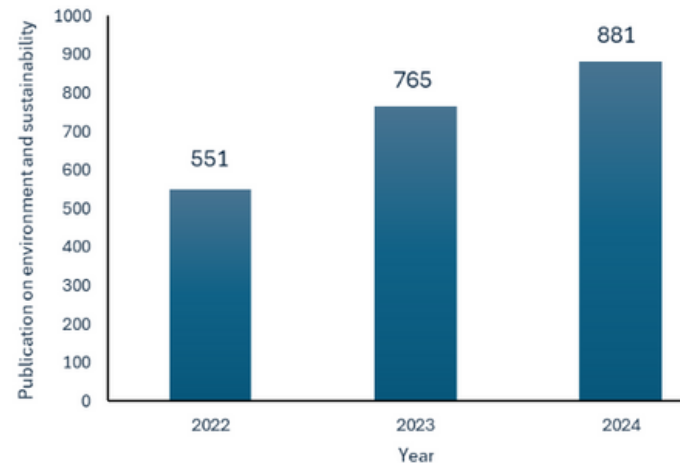
UNY Rector's Regulation No. 16 of 2021 on the Green Campus of Universitas Negeri Yogyakarta serves as the fundamental framework for establishing a campus environment with clean air and enhanced aesthetics. The regulation outlines key initiatives including environmental cleanliness, reduction of plastic use, efficient energy management, water and energy conservation, emissions reduction, and measures to minimize paper usage.



TARGET

UNY is taking decisive action to address climate change and its effects on the campus environment. This is achieved by integrating targeted programs into education and research, enhancing awareness within the academic community, and strengthening institutional and community capacity. These efforts are focused on climate adaptation, impact mitigation, and effective management strategies, underscoring the university's commitment to tackling climate change challenges.

RESEARCH



UNY has been proactively engaged in addressing climate change through a multifaceted approach encompassing education, research, product innovation, and support programs. As part of its commitment, UNY conducts annual tree planting and open space enhancement activities, integrated as mandatory initiatives within the university's agenda. To foster greater awareness and knowledge exchange, UNY regularly invites experts to participate in international seminars and public lectures focused on climate change mitigation strategies.

The university's research endeavors have yielded significant contributions toward climate change mitigation. These include assessing the impact of climate change on rice production, evaluating the potential for greenhouse gas emission reductions through the conversion of public buses to gas fuel, computing solar and wind energy potential for off-grid charging stations of electric motorcycle batteries, and optimizing the water-energy-food nexus.



ACTIVITIES



Engineering students at UNY have created [a solar-powered water pump](#) as an eco-friendly and cost-effective alternative to conventional pumps that use fossil fuels or electricity. The system includes solar panels, a PV pump controller, and the pump unit. Solar panels connected in parallel convert sunlight into electricity, providing power for the pump. This innovation supports sustainable energy use and aligns with green technology initiatives.



Universitas Negeri Yogyakarta (UNY) manages 25 [Rainwater Infiltration Wells](#) across five areas: Karangmalang, Kuningan, Mrican, Samirono, and Santren. Initiated in 2019, this project supports groundwater recharge and climate resilience, as noted by Dr. Tien Aminatun, Head of UNY's Disaster Mitigation Center. The wells help reduce runoff and increase groundwater reserves. Regular maintenance is conducted every semester to ensure optimal performance by clearing sediment and debris.





POLICY FOR SUPPORT THE AQUATIC ECOSYSTEM

According to [Rector's Regulation No. 16 of 2021 about the Green Campus](#), UNY is dedicated to lowering pollution in aquatic habitats through university policies. The Chancellor's Regulation includes guidelines for using recycled materials, preventing chemical spills into waterways, and keeping the campus clean. This can stop and lessen water contamination, particularly from operations that are next to land.

POLICY FOR FOOD FROM AQUATIC ECOSYSTEM

UNY needs to be run both as a business and as an academic institution. To generate academic and business processes and superior resources in of education and non-education, all of the potentials that are owned must be able to be handled. The UNY community creates goods through [the UNY 2020-2025 strategic plan](#), including food, apparel, software, architectural design, crafts, and other items processed by UNY Culinary. [Processed fish, shrimp, and other goods from the water, such tilapia nuggets, are among UNY's offerings.](#)

SUPPORTING AQUATIC ECOSYSTEMS THROUGH EDUCATION

Education is one process to raise awareness about the need of environmental preservation. Several educational activities benefit the aquatic ecosystem. In fresh water, the UNY community service team cooperated with the Sawangan Village in Magelang for a spring conservation program called Sendang Mudal.

There were training sessions and mutual discussions about maintaining the ecosystem near Sendang Mudal. The news can be read at the following link ["Sendang Mudal – Sawangan"](#). This activity can be indicator for UNY doing the community outreach for freshwater ecosystems.

Additionally, the teaching team and students engage in academic activities to raise awareness about the need of protecting aquatic habitats. The first is an initiative carried out by Rio Handziko, a member of the Faculty Mentoring Network [OCELOTS](#).

Students participate in activities such as the [Marine Biology lecture](#) activity, which conducts field practicum activities in Karimunjawa's seas.

UNY also appreciated the opportunity to collaborate with the Ministry of Education and Culture by hosting MBKM innovative research initiatives. One of the teams that took part in the activity was made up of biology education department students who were accompanied by biology education lecturers. They collected data on coral reefs and reef fish and compiled [a catalog of reef fish in the waters of Bangsring, Banyuwangi, East Java.](#)



PROTECT, MANAGE, AND RESTORE NATURAL ECOSYSTEMS AND HALT BIODIVERSITY LOSS

15 LIFE ON LAND



UNIVERSITY POLICY

Rector's regulation no. 16 of 2021 regarding Universitas Negeri Yogyakarta's Green Campus contains the fundamental guidelines for establishing UNY as a Green Campus. This regulation includes the directives for plants and animals conservation in campus area, waste management and the management of resources including water and energy.

TARGET

UNY is working tirelessly to combat climate change and its effects on the campus environment by integrating target-related programs into education and research. UNY is also committed to raising academic along with community awareness building institutional and community capacity for adaptation, impact reduction, and effective management of the campus's commitment to current climate change.

RESEARCH

In 2023, there were 18 research projects that have been carried out by UNY's lecturers and student related to SDG-15 starting from research to study faunal diversity in the Karst Ecosystem, the use of waste as a basic ingredient for environmentally friendly products, to the initiation and diversification of sustainable agricultural products for the community



CONSERVATION OF LAND ECOSYSTEMS

UNY's community service initiatives support conservation, sustainable agriculture, waste management, and biodiversity-based tourism, aligning with SDG 15.

In 2023, 14 programs focused on ecological preservation and education. Activities included [tree planting at Bidara Beach](#) with Kalurahan Bugel to prevent coastal erosion and protect local wildlife habitats. Educational programs enhanced faunal identification skills and trained cave guides on Karst ecosystem conservation. [Birdwatching events introduced children](#) to nature conservation. At [Ngingrong Geological Site](#), outreach efforts educated the public on cave biodiversity, enhancing local eco-tourism.

IMPLEMENTING PEACE, JUSTICE, AND STRONG INSTITUTIONS ON DAILY CAMPUS ACTIVITIES



OUR COMMITMENT

We are committed to govern the well-being and safety of the community and stakeholders in addressing the complex challenges related to peace, justice, and the strength of institutions.

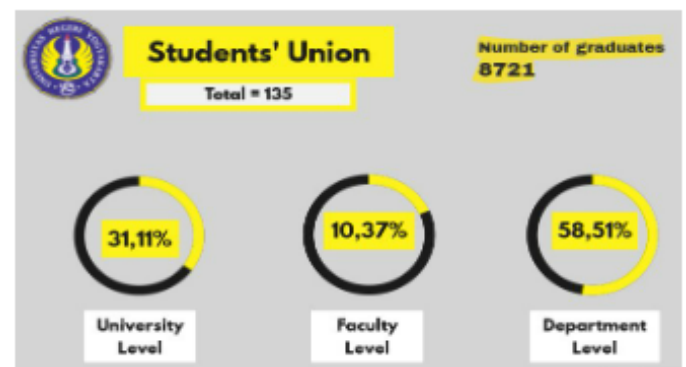
UNIVERSITY GOVERNANCE MEASURES



As a Legal Entity State University (PTN BH), Universitas Negeri Yogyakarta (UNY) is governed by the Board of Trustees (MWA), which includes representatives from government ministries, the King of the Ngayogyakarta Sultanate, the Rector, as well as faculty, staff, and students. Student and community representation plays a key role in the university's planning and performance evaluation, acting as both contributors and recipients of input in university governance.

Additionally, UNY supports student development through a variety of organizations that foster talent, interests, and organizational activities. With 135 student organizations (Ormawa) spanning study programs (79), faculties (14), and the university level (39), students are engaged in local, national, and international

networks. These organizations contribute to pro-student policies, mentorship, advocacy, and social actions across various sectors. UNY's student unions have also received capacity-building support from the Ministry to assist small and medium-sized enterprises and improve community welfare.



WORKING WITH GOVERNMENT

UNY researchers have partnered with the Ministry of Villages to evaluate village fund management in 30 villages across Padang Pariaman, Barito Kuala, and North Halmahera. The results aim to guide improved policies and programs for village fund management. This collaboration is a step toward building a transparent and accountable system that supports village progress in Indonesia. UNY also works with local governments to promote sustainable development and equitable access through research and community service.





STRENGTHEN THE ACTION AND BRING THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT BACK TO LIFE

OUR COMMITMENT

We committed to collaborating with universities, NGOs, government agencies, associations, schools, and businesses on a national, regional, and global scale to achieve the SDGs more effectively in areas like teaching and learning, research and publication, and community service.



UNIVERSITY POLICY

Projects related to sustainable development goals play a key role in shaping policy. They connect researchers with policymakers and other influential figures, fostering lasting relationships and a significant impact on policy engagement.

RESEARCH

Research Partnership

We are actively involved in partnerships at global, national, and regional levels to support the achievement of sustainable development goals.

Global: International cooperation is crucial for addressing issues that individual countries cannot solve alone. Achieving common objectives requires diplomatic

approaches, the formation of global agreements, and a strong commitment to working together.

We have established partnerships globally, including 764 in Asia, 60 in Australia, 50 in Europe, 45 in the USA, 15 with embassies, 13 with overseas schools, 4 in Africa, and 10 with international industries.

National: These partnerships primarily aim to address specific national issues, achieve shared objectives, and implement policies and programs that benefit the entire country. This national partnership model takes various forms and includes diverse stakeholders, such as government agencies, NGOs, businesses, and community groups. Within Indonesia, we work with 852 educational institutions, 68 organizations, and 168 partners from the government and NGOs.

PUBLIC ENGAGEMENT

We often discussed initiatives by businesses, non-profits, academic institutions, the public, and government agencies to collaborate in addressing issues, engaging people, and making decisions that affect the entire community or society.

The partnership aims to encourage transparency, participation, and collaborative decision-making. In these partnership activities, we engaged various groups, including individuals, experts, and organizations. We used clear and accessible



approaches to build trust, ensuring that people have a role in shaping policies, projects, and other initiatives.

The partnership encourages civic engagement and empowers individuals and groups to have a voice in decisions that impact them. Problem-solving can take place through public hearings, community meetings, surveys, or online forums where people can share their perspectives.

Our partnership plan also incorporates methods for holding government agencies and other institutions accountable for their decisions and actions. These collaborations are typically long-lasting, aiming to foster stronger, enduring connections between organizations and the public.



LEARNING AND STUDENTS

We collaborate with public, private, and civil society organizations to equip students with skills for engaging with all 17 SDGs, fostering future leaders for a sustainable world. Our platform uses technology to connect partners, providing flexible, data-driven learning experiences.

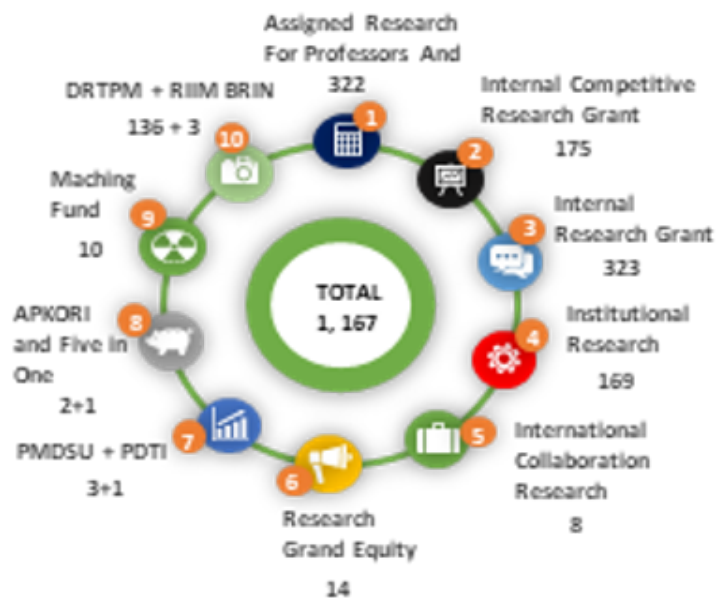
We have accessible online & blended learning options. Engagement tools like games enhance motivation, while lifelong learning and microcredentials support continuous skill development.

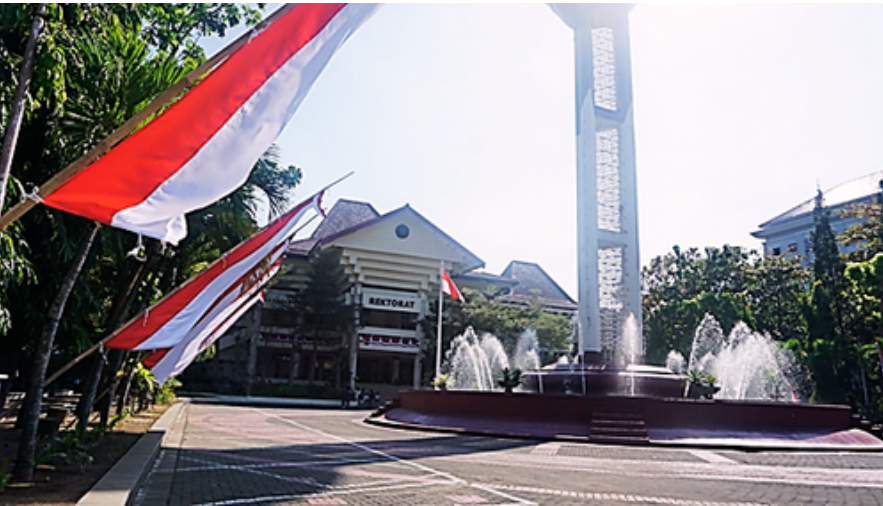
The flipped classroom model promotes online self-study, with class time for collaboration. Global collaboration tools facilitate shared learning and solutions for global challenges

UNIVERSITY PARTNERSHIPS

This strategy promotes the SDGs and encourages collaboration across academia, public institutions, the private sector, and civil society. We have adopted various partnership models to enhance research, education, knowledge sharing, cross-sector collaboration, and advocacy.

In university partnerships, clear goals, roles, and responsibilities must be defined to ensure alignment with SDGs, leveraging academic expertise to drive global impact.





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SUSTAINABLE DEVELOPMENT GOALS REPORT

2023