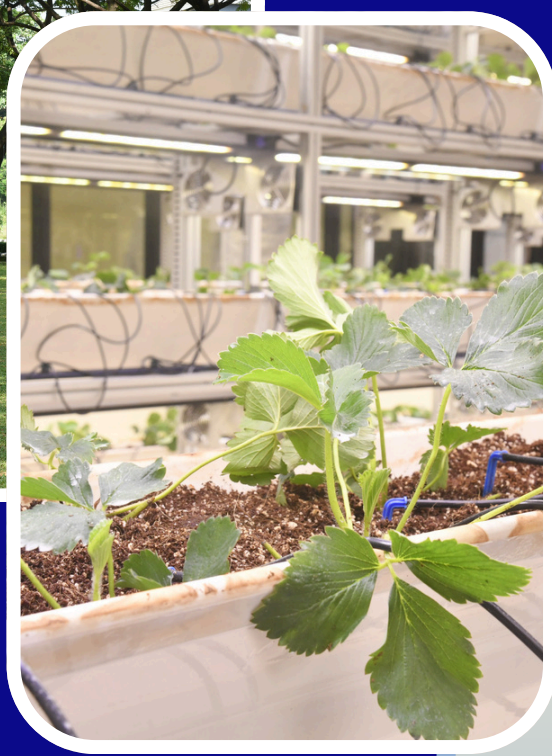


SUSTAINABILITY REPORT



2024

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Table of Contents

Rector Message	i
IPB Sustainability Value (IPB SuV)	1
Indonesia's SDGs Action Awards	3
THE Impact Rankings	4
QS Sustainability Rankings	5
UI GreenMetric World University Rankings	6
Operational Campus	7
Programs	19
Action Plans	28

Rector Message

IPB University has a strong history of supporting sustainability in all facets of the university, including operations, research, education, and community engagement. Higher education institutions have a fundamental duty to address the issues of social injustice, environmental degradation, and climate change in addition to having a moral obligation to do so. Today, by releasing this sustainability report, we make a major advancement in reiterating our commitment to sustainability. It is evidence of the collective efforts of our faculty, staff, and students who have devoted countless hours to incorporating sustainable practices into our university's core operations.

This report captures the spirit of invention, teamwork, and resilience that characterizes IPB University, going beyond just figures and statistics. It outlines our goals for the future, recognizes our flaws, and emphasizes our successes and advancements. Its pages contain uplifting accounts of groundbreaking scientific discoveries, revolutionary educational endeavors, and significant community outreach projects. You will also see the concrete results of our sustainability efforts, such as decreased carbon emissions, the use of renewable energy, and the integration of sustainable practices into our systems for managing natural resources and agriculture. We understand that sustainability is a never-ending process and that much work remains.

I would like to sincerely thank everyone who helped with the preparation of this report, including our committed sustainability teams, the academics and researchers who shared their knowledge, and the countless individuals who poured their time, effort, and passion into realizing our common goal.

I also would like to express my gratitude to all the students who have supported environmental causes and your unshakable dedication to making the world a better place. We are all inspired by your words and deeds, which serve as a constant reminder that the future is in your capable hands.

Let's welcome the release of IPB University's Sustainability Report 2024 as a testament to our dedication, progress, and determination to build a sustainable future. May it start dialogues, encourage teamwork, and foster transformative change both inside and outside of our organization.

Thank you, and let us continue our collective journey towards sustainability.

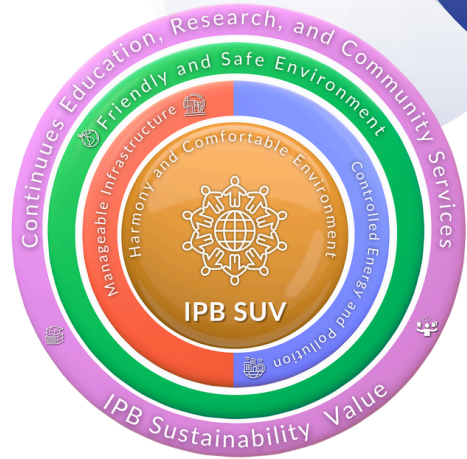


Prof. Dr. Arif Satria, S.P., M.Si.

IPB Sustainability Value

The IPB vision 2024–2028 is "Being an innovative and resilient university for sustainable national progress in building a techno-socio entrepreneurial university that is excellent globally in agriculture, marine, and tropical bioscience". Toward this vision, IPB commit to be the Globalized Sustainable University in 2028. Creating a sustainable university entails incorporating social, cultural, and economic factors into the curriculum, research, infrastructure, and community involvement, among other areas of the institution's operations. Sustainability in higher education relates to how the campus operation does not harm the environment and thus requires facilities and infrastructure to be set up in a way that becomes environmentally friendly.

By adopting various dimensions of sustainability, the IPB developed the IPB sustainability values consisting of five aspects, namely: 1) Manageable infrastructure, 2) Controlled energy and pollution, 3) Friendly and safe environment, 4) Harmonious and comfortable environment, and 5) Continuous education, research, and community services.



Manageable infrastructure promotes resource efficiency, cost savings, resilience, educational opportunities, and reputation building. Sustainable infrastructure refers to systems and facilities designed, built, and operated in an environmentally responsible, economically viable, and socially beneficial way for the entire life cycle. It also protects biodiversity by minimizing its impact on ecosystems.



IPB integrates controlled energy and pollution to minimize negative environmental impact, reduce carbon footprint, and promote long-term resilience and efficiency. It covers energy efficiency, which utilizes renewable energy resources and reduces energy consumption. At the same time, it is accompanied by implementing resource efficiency by minimizing the use of non-renewable resources, promoting recycling and reuse, and controlling pollutants.

IPB Sustainability Value



The sense of belonging contributes to a friendly and safe campus environment. Sustainable universities prioritize security measures to ensure the safety of everyone on campus. It embraces inclusive design principles to ensure that all community members, including those with disabilities, feel welcome and have equal access to campus facilities and services.



A harmonious and comfortable campus environment enhances the well-being and productivity of students, faculty, and staff. Sustainable campuses feature ample green spaces, parks, and gardens, providing relaxation, recreation, and social interaction opportunities. Furthermore, a sustainable campus can foster a sense of community through engagement opportunities such as sustainability initiatives, volunteer programs, and community events.



Continuous education, research, and community services form the cornerstone of IPB's mission to contribute significantly to societal development. IPB, as a higher education institution, aims to provide opportunities for lifelong learning through professional development courses, certifications, workshops, and extension programs to keep professionals updated with the latest knowledge and skills in their fields. Meanwhile, research is designed as a function of knowledge advancement, fostering innovation and development, as well as academic collaboration and student involvement at national and global levels. Subsequently, along with education and research, community services are designed to foster public engagement, service learning, community partnerships, and economic development. The integration of continuous education, research, and community services creates a dynamic environment in IPB where knowledge is generated, applied, and disseminated widely. This holistic approach ensures that IPB remains relevant and responsive to societal needs, contributing to overall development and well-being.

INDONESIA'S SDGS ACTION AWARDS



Indonesia's SDGs Action Awards 2024

Indonesia's SDGs Action Awards 2024 is an appreciation event dedicated to all stakeholders who have contributed to the implementation of the Sustainable Development Goals (SDGs) in Indonesia. Now in its third year, the 2024 edition carries the theme "Innovation Towards Golden Indonesia: Connecting Quality Education, Employment, and Green Industry."

Innovation Towards Golden Indonesia: Connecting Quality Education, Employment, and Green Industry.

Through this award, the Ministry of National Development Planning (Bappenas), as the national SDGs coordinator, aims to highlight and promote best practices from various stakeholders. These initiatives are expected to be replicated more broadly and accelerate the achievement of SDGs targets during this Decade of Action.



BAPPENAS

Kementerian Perencanaan Pembangunan Nasional/
Badan Perencanaan Pembangunan Nasional



For the third time, IPB University has once again been recognized as the best higher education institution at the Indonesia's SDGs Action Awards 2024. The award was presented by the Vice President of the Republic of Indonesia, Prof. Ma'ruf Amin, during the opening ceremony of the 7th SDGs Annual Conference (SAC) held in Jakarta.

THE IMPACT RANKINGS



IPB University achieved a score of 89.6 and was ranked 94th out of 1,963 institutions worldwide in the 2024 Times Higher Education (THE) Impact Rankings. This marks a notable improvement from the previous year, where IPB scored 88.1 and was placed in the 101–200 band out of 1,591 universities.

Overall Score

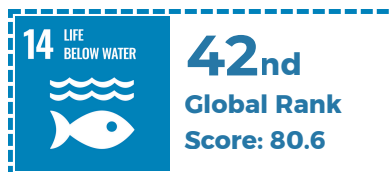
89.6

Overall Rank

94

Among the 17 Sustainable Development Goals (SDGs) assessed, IPB ranked within the global top 100 in several areas: 14th for SDG 1 (No Poverty), 28th for SDG 2 (Zero Hunger), 41st for SDG 8 (Decent Work and Economic Growth), 42nd for SDG 14 (Life Below Water), and 66th for SDG 15 (Life on Land).

IPB University achieves global Top 100 recognition across multiple SDGs in 2024



QS SUSTAINABILITY RANGKINGS



QS WUR Sustainability
2025

440

QS World University Rankings: Sustainability reflects an institution's commitment to advancing sustainability through science and technology in response to climate challenges, as well as the impact of its research on achieving the 17 United Nations Sustainable Development Goals (SDGs)

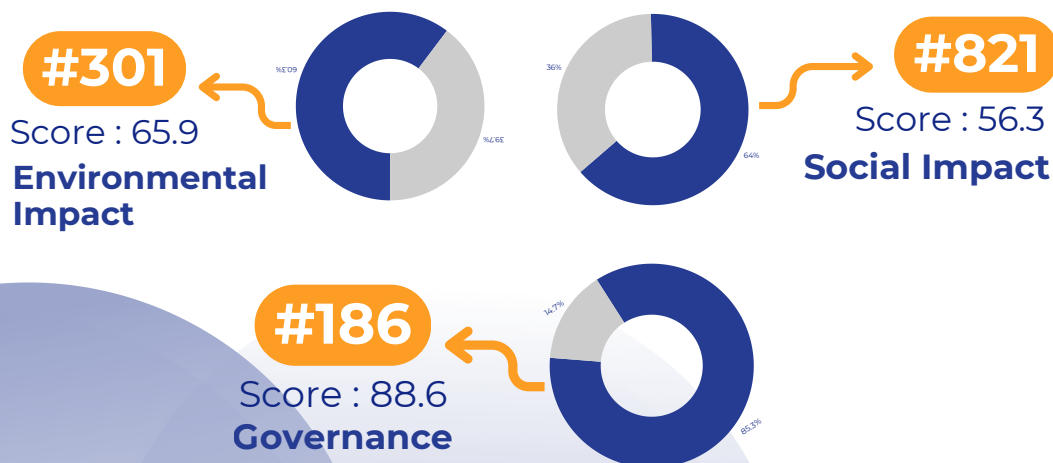
This ranking is designed to assess how well higher education institutions address major global issues related to environmental, social, and governance (ESG) dimensions. It evaluates the social and environmental impact of universities as centers of education and research—whose roles are increasingly comparable to large corporations in confronting sustainability challenges faced by complex organizations.

#2
at Indonesia

64.5/100
Overall Score

#82
at Asia

In the QS Sustainability Rankings 2025, announced on December 10, 2024, IPB University secured the 440th position globally and ranked 2nd nationally. Notably, in the Environmental Education category, IPB University achieved a global ranking of 80th, highlighting its strong commitment to environmental education and research addressing global ecological issues.



UI GREENMETRIC WORLD UNIVERSITY RANKINGS



The UI GreenMetric World University Ranking is a ranking on green campus and environmental sustainability. The ranking is based on six criteria (Setting and Infrastructure, Energy and Climate Change, Waste, Water, Transportation, and Education) and 39 indicators. IPB University achieved a total score of 8,950 out of 10,000 points, with a performance level of 89.5% in this sustainability ranking.

Overall Performance

89.5%

IPB University ranked 29th globally in the UI GreenMetric World University Rankings 2024, out of 1,477 universities from 95 countries. This marks a significant improvement from its 34th position in 2023. At the national level, IPB successfully maintained its position as the 4th top university.



29th



4th

Most Sustainable University in The World

Setting Infrastructure

1400/1500

Energy and Climate Change

1550/2100

Waste

1575/1800

Most Sustainable University in Indonesia

Water

950/1000

Transportation

1700/1800

Education

1775/1800

IPB University achieved a total score of 8,950 out of 10,000 points, equivalent to 89.50%, in the UI GreenMetric ranking. This result reflects the university's strong commitment to sustainability. The highest scores were attained in the categories of Education & Research (98.61%), Water (95.00%), and Transportation (94.44%), demonstrating IPB's strengths in integrating sustainability into academic activities, water management, and eco-friendly mobility. Meanwhile, the lowest score was recorded in Energy & Climate Change (73.81%), highlighting a key area for future improvement.

OPERATIONAL CAMPUS

Campus Buildings Area
196 ha

Open Space

96%
of Total Area



94%

Green Space

52%
Forest

41%
Planted

18 Sites

Campus Area
1,669 ha



9 Faculties
5 Schools

177 Program Studies

Animal Biodiversity

12 Amphibians
22 Mammals
38 Reptiles
99 Birds
128 Butterflies

Plant Biodiversity

40 Bamboos
127 Medicinal plants
173 Woody plants



Sustainability Programs

136 Sustainability Activities by Student
193 Sustainability Events by Institutions
56 Start Ups



Community Services

58,262 Affected Communities
6,524 Students Involved
1,430 Partner Villages
902 Lecturers Involved



International Collaborations

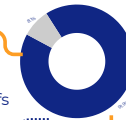
600 International Agreement
321 Institutions
57 Countries



5,450 Courses

Distribution of SDGs

8%
(3,330)
Academic & Staffs



92%
(37,541)
Students



5 International Research Institute

23 Research Centers

MANAGEABLE INFRASTRUCTURE

Distribution of Green Building Potential at IPB University

IPB University conducted a self-evaluation of its existing buildings using the Greenship Existing Building assessment. In 2024, three buildings were assessed and all achieved a Bronze rating, reflecting IPB's initial progress toward greener infrastructure.

Main Campus

Vocational School



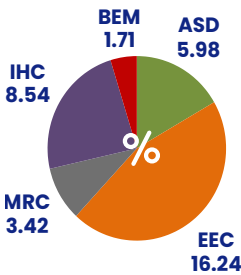
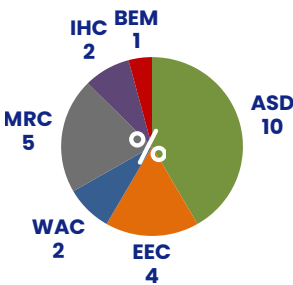
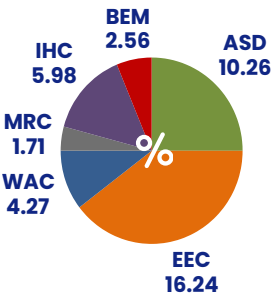
**Andi
Hakim Nasution Building**



**AM Satari
Building**



**Delta
Building**



The highest scoring category across these buildings was consistently Energy Efficiency and Conservation (EEC), indicating a conscious effort in managing energy use. Indoor Health and Comfort (IHC) and Appropriate Site Development (ASD) also recorded moderate achievements, suggesting attention to user well-being and site suitability.

The assessment highlights several critical areas requiring development. To advance from Bronze to higher certification levels, targeted efforts are essential in enhancing waste and material management, strengthening monitoring infrastructure, and fostering sustainable operational culture within these buildings.



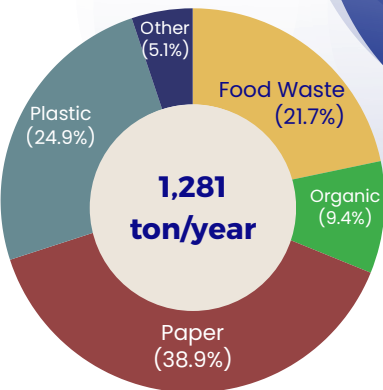
CONTROLLED ENERGY AND POLLUTION

Waste Generation and Management



3.5
tons of
daily waste

In **2024**, IPB University generated **3.5 tons of waste daily**, equivalent to approximately **1,281 tons per year**. This amount of waste correspond to around **0.12 kilograms of waste per person** per day.



Waste Composition in 2024

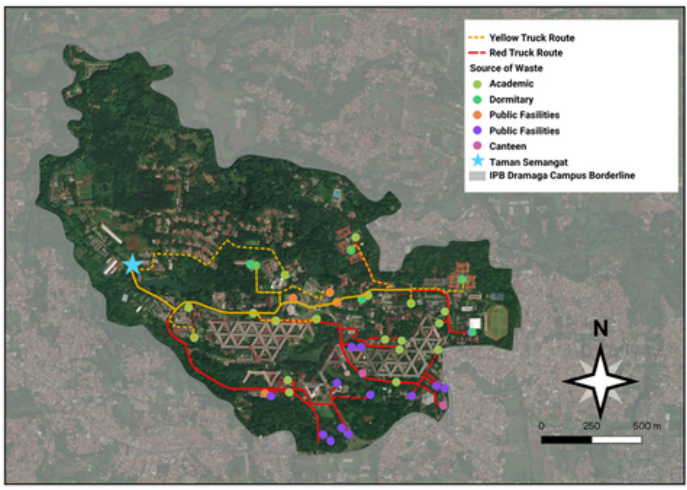
Similar studies in other Indonesian universities have shown varying levels of waste generation, such as 0.156 kg/person/day at Itenas Bandung and 0.627 kg/person/day at UPI Padang. Compared to the global average of 0.192 kg/person/day, **IPB University's waste generation** per capita remains **relatively low**.

IPB University has strengthened its waste management system through a data-driven monitoring approach.

IPB University has strengthened its waste management system through a data-driven monitoring approach. One of



the key initiatives is the use of portable wheel scales to weigh dump trucks transporting campus waste.



To visualise and optimise the waste transport system, IPB has developed a **waste transportation route map**. All collected data are integrated into the IPB University Sustainability Dashboard, enabling real-time monitoring and supporting assessments of carbon emissions.

CONTROLLED ENERGY AND POLLUTION

Water Conservation

The campus operates two Water Treatment Plants (WTPs), located in Cihideung and Ciapus, which supply clean water for various campus needs.



13 water stations are distributed across **IPB Dramaga**

The drinking water station program is **environmentally friendly**, as it helps **reduce the use of single-use plastic water bottles**, aligning with the **“Green Campus”** concept and the **SDGs**.

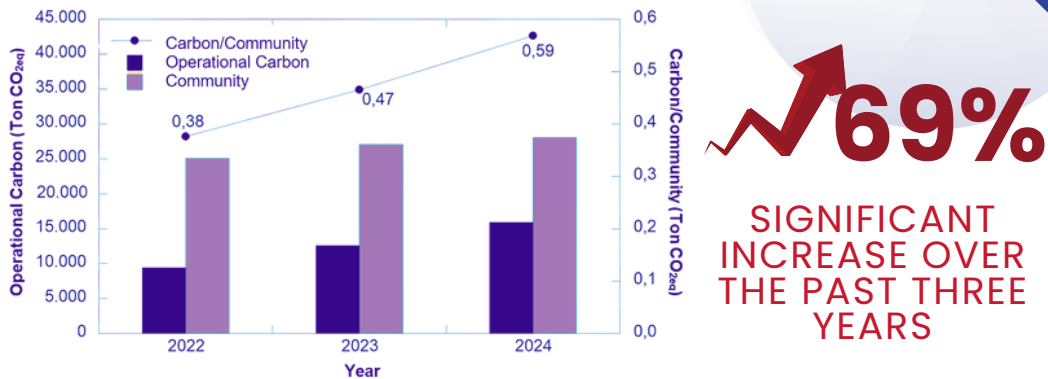
Its impact on students includes increased access to free drinking water, higher water consumption, and **estimated savings of around Rp 73,000 per student each month**.

The SDGs Lake at IPB Dramaga Campus reflects the university’s commitment to water conservation and sustainable resource management. It functions as a rainwater retention basin and natural infiltration system, helping to maintain the campus’s hydrological balance.

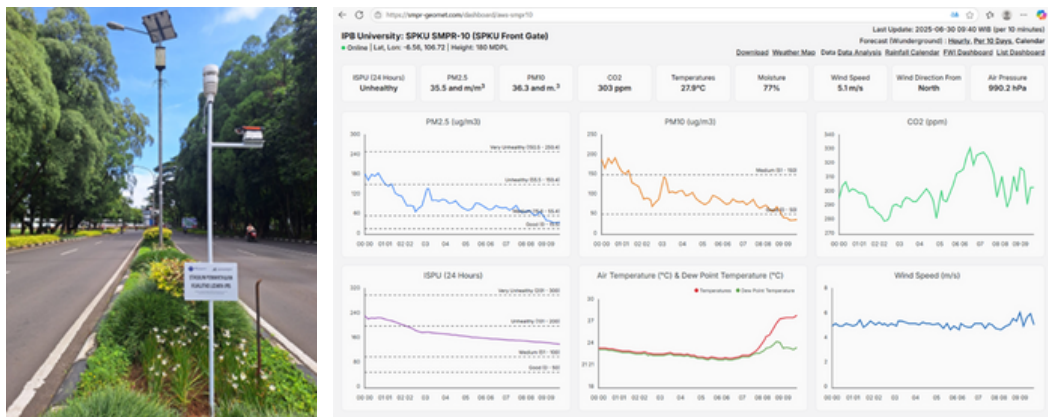


CONTROLLED ENERGY AND POLLUTION

Air Quality and Carbon Emission Monitoring



IPB has installed several **air quality monitoring stations** across the campus, equipped with sensors to measure **real-time** air pollution parameters such as particulate matter (PM), harmful gases, and weather conditions. The collected data are **integrated into IPB's sustainability dashboard** to support comprehensive environmental monitoring.



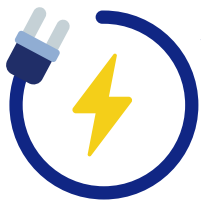
Based on Rector's Decree No. 298/IT3/LK/2020, IPB University has committed to achieving **carbon neutrality by 2030**. Supporting efforts include energy efficiency, solar panel installation, shuttle bus optimization, and planned centralized parking development.



IPB provide free emission tests

CONTROLLED ENERGY AND POLLUTION

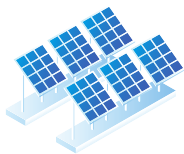
Electricity and Renewable Energy



20,805,497 kWh
Electricity
Consumption

In **2024**, IPB University consumed a total of **20,805,496.87 kWh** of electrical energy. To meet its electricity demand, IPB also made efforts to incorporate renewable energy sources into its energy supply.

These renewable sources included **solar panels**, diesel **generator** sets, **wind power**, and **micro-hydro** systems, which were distributed across several IPB campus sites, namely Dramaga Campus, Gunung Gede Cilibende Campus, and Sukabumi Campus. In 2024, there was a significant **increase** in the energy supply from **solar panels**, reaching up to **116,000 kWh**.



Solar Panel
291,393 kWh



Generator
19,374 kWh



Microhydro
2,000 kWh



Wind Power
1,200 kWh



The electricity generated was allocated for **charging electric vehicles** and supporting the planned operation of a **smart greenhouse**, with the entire system enhanced by artificial intelligence (AI) for efficient management. This initiative reflected IPB University's concrete steps in addressing climate challenges and promoting the food-energy-water (FEW) nexus through sustainable, technology-driven solutions.

FRIENDLY AND SAFE ENVIRONMENT

Security Support Facilities for a Safe Campus Environment

IPB University has 203 security personnel who work in rotating shifts to provide 24-hour coverage and ensure safety and order across the campus. This security system is supported by 55 security posts strategically located throughout the university area. The presence of both personnel and infrastructure plays a vital role in maintaining a safe, orderly, and comfortable environment for the entire academic community.

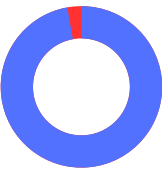


IPB University's Commitment to Disability-Inclusive Safety

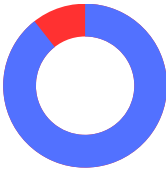
IPB University is committed to creating a safe and inclusive campus environment for all, including persons with disabilities. Various campus facilities have been designed with accessibility in mind, including ramps, guiding blocks, accessible lifts, and disability-friendly restrooms in key buildings. These features are placed strategically with attention to safety elements such as proper lighting and clear signage. This initiative reflects the university's commitment to ensuring that all members of the academic community can move and engage safely, comfortably, and equitably within the campus environment.

Maintaining Campus Air Quality through Vehicle Emission Testing

Motorcycle



Car



Percentage of Vehicles Passing Emission Test

In 2024, IPB University conducted vehicle emission testing to ensure clean air quality within the campus environment. The tests targeted vehicles owned by the university community, with results showing that **97.2% of motorcycles and 89.4% of cars passed the emission standards**. This initiative reflects the university's strong commitment to maintaining a healthy and environmentally friendly campus.

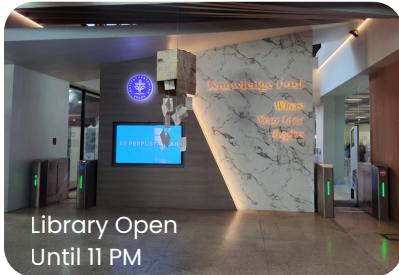
IPB University is currently strengthening the enforcement of traffic discipline within the campus, with a specific focus on motorcyclists who do not wear helmets. This disciplinary action is part of a preventive measure to ensure the safety and security of all road users on campus. Routine monitoring and direct warnings are conducted, and non-compliance—particularly the failure to wear a helmet—is addressed firmly. This initiative reflects the university's commitment to fostering a culture of traffic awareness and discipline, while supporting a safe, orderly, and sustainable campus environment.

Traffic Discipline Enforcement on Campus



HARMONY AND COMFORTABLE ENVIRONMENT

IPB University provides a well-equipped central library designed to support academic excellence and personal development. To accommodate diverse study schedules and enhance accessibility, **the library** extends its **opening hours until 11 PM**. IPB University has introduced the **Co-Creation Lounge** at its Library as a modern, dynamic, and flexible learning space.



**600-1000
Library
visitors
per day**

30⁺ Garden

To complement its learning facilities, IPB University provides numerous thematic gardens across the campus to support a comfortable study environment and promote the well-being of its academic community.



To support well-being, IPB University offers early childhood education and care through Agriananda Preschool and Kindergarten (PG-TK Agriananda), located in the staff housing area at Dramaga Campus. The facility provides a safe, family-friendly environment for staff and students with children.

61 Students

16 Academic staffs



CONTINUOUS EDUCATION, RESEARCH, AND COMMUNITY SERVICES

IPB University is committed to advancing sustainability through **continuous education**, **impactful research**, and **community service** initiatives that align with the Sustainable Development Goals (SDGs).

Education

SUSTAINABILITY LITERACY SURVEYS

Regular surveys for lecturers & staff on:

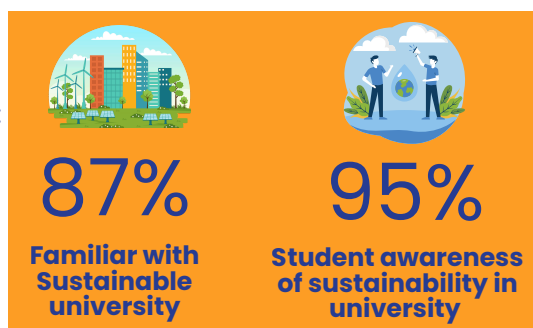
1 Sustainable University

[\(sustainable university survey\)](#)

2 Green Lifestyle Behavior

[\(green lifestyle for staff\)](#)

[\(green lifestyle for lecturer\)](#)



Research

IPB University demonstrates a strong commitment to achieving the Sustainable Development Goals (SDGs) through its research and publication activities. According to Scival Elsevier (2024), **66.45% of IPB's publications are recognized as SDGs-related**, total of 12,866 globally indexed publications.

 **12,866** globally indexed publications
72.86% are Open Access publication

 **87,303** citations
6.8 citations per publication

 **98.7%** involve multiple authorship
21.2% international collaborations
43.8% national collaborations

 **Highest Number of Publication's Related**

 **1,297** Publications
12,471 Citations
 **1,109** Publications
9,781 Citations

 **948** Publications
9,517 Citations

Research Station



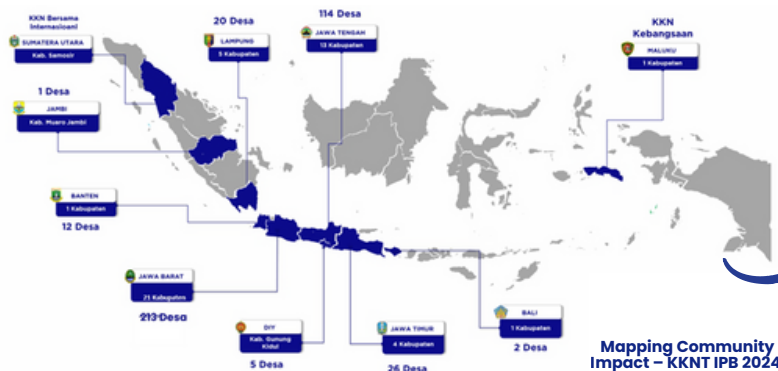
CONTINUOUS EDUCATION, RESEARCH, AND COMMUNITY SERVICES

Community Services

As part of its commitment to inclusive and sustainable development, IPB University continues to strengthen its community service efforts by implementing programs that are aligned with the SDGs and directly address local needs.

IPB University Community Service Achievements

In 2024, IPB University implemented various community service programs, including KKN-Tematik, Sekolah Peternakan Rakyat, Dosen Pulang Kampung, Thematic Community Service Lecturers, Sekolah Keluarga Berkualitas, Sekolah Kopi, Saba Desa, Sekolah Drone, Sekolah Teh, Sekolah Pranikah, SUIJI-SLP, and several other initiatives.



Implemented in
10 provinces,
49 cities/regencies,
and **395 villages**
Engaged
3,746 students

Extended internationally
through KKNT Malaysia
and Thailand

The IPB People's Livestock School (**Sekolah Peternakan Rakyat** or SPR) is a community empowerment program that aims **to enhance the capacity of small-scale livestock farmers through education and collective action.**

By fostering farmer groups into formal cooperatives, the program provides training in farm management, access to markets, and technology transfer. SPR contributes directly to the achievement of SDGs, particularly in eradicating poverty, improving food security, and promoting inclusive economic growth.



Programs

Advancing Manageable Infrastructure through Agricultural Innovation: The Plant Factory and Smart Greenhouse at IPB University

IPB University established the **Plant Factory and Smart Greenhouse** at the Leuwikopo campus as part of its commitment to advancing manageable infrastructure in line with the IPB Sustainability Values. These facilities play an important role in promoting resource efficiency, climate resilience, and sustainable agricultural practices.



The establishment of the Plant Factory and Smart Greenhouse are the result of a **strategic collaboration** between IPB University, Korea Institute of Planning and Evaluation for Technology in Food, Agriculture, and Forestry (IPET), and Korea Smart Farm R&D Foundation (KosFarm)). This partnership brings Korean technological expertise in smart farming and supports Indonesia's effort to accelerate agricultural modernization.



2

ZERO HUNGER



Enhancing sustainable food production through smart farming technologies and year-round cultivation systems.

9

INDUSTRY, INNOVATION AND INFRASTRUCTURE



Advancing agricultural innovation with high-tech infrastructure and collaborative international research.

7

AFFORDABLE AND CLEAN ENERGY



Promoting energy-efficient farming systems with precision fertigation and smart environmental controls.

13

CLIMATE ACTION



Supporting climate-resilient agriculture through controlled environments and reduced resource waste.

The facility features an **automated fertigation system** that precisely monitors and delivers water and nutrients in real time. This system minimizes waste, enhances input efficiency, and ensures consistent plant health. Real-time monitoring and remote control further support responsive decision-making and sustainable resource use.

Meanwhile, the Smart Greenhouse employs advanced technologies to further support efficient and adaptive farming. Constructed with a **Venlo-type design**, the greenhouse optimizes natural light intake—vital for plant development. It is also equipped with circulation fans and a fogging system that regulate temperature and humidity, creating a stable microclimate for continuous, year-round cultivation regardless of external weather conditions.

Programs

IPB's Agri-Photovoltaic Station: Towards in Sustainable Agricultural Technology"

On November 22, 2024, IPB University inaugurated the Agri-Photovoltaic Research Station at the Cikabayan Educational Farm, Dramaga Campus. This innovative facility **integrates solar energy with agricultural activities**, combining food production and clean energy generation through solar panels with a capacity of 50,000 watts.



Currently, **the station produces 5 kilowatts of electricity daily**. By minimizing reliance on fossil fuels, it contributes to emission reduction and environmental protection. The station showcases how agriculture and energy can coexist through sustainable land use.

It also highlights the role of academic institutions in supporting low-carbon development. It is developed **in collaboration with ENVELOPS and KLES**, the Agri-Photovoltaic Station reflects IPB University's commitment to research, education, and green innovation—serving as a model for integrated, climate-resilient agricultural systems.



The system is designed to **optimize light exposure for crops while converting sunlight into electricity**—demonstrating an efficient use of renewable energy in farming. Powered by artificial intelligence (AI), the station is prepared to **support smart greenhouse operations and electric vehicle (EV) charging**, contributing to a broader clean energy ecosystem.



Generating clean solar energy for agriculture, reducing fossil fuel use, and supporting energy-autonomous farm operations.



Reducing emissions through renewable energy integration in agriculture and promoting low-carbon development models.



Advancing smart agri-infrastructure through AI-driven for sustainable food and energy production.



Fostering collaboration academia and industry to scale sustainable agri-energy innovations through joint research and development.

Programs

Creating a Culture of Safety and Accountability at IPB University



IPB University continues to promote a friendly and safe campus environment through a series of **strategic capacity-building** initiatives aimed at strengthening institutional resilience and cultivating a culture of inclusivity and shared responsibility.

One of the key initiatives was the **Risk-Based Planning and Budgeting (RBPB)** training conducted in October 2024. This training encouraged various university units to proactively integrate risk awareness into their planning and budgeting processes. By identifying potential risks early, IPB strengthens its institutional sustainability while building more transparent and accountable governance.



Promoting inclusive, transparent governance through risk-based planning and accountable institutional practices.

Empowering all units equally in risk assessment and safety participation across institutional levels.



Building institutional capacity through practical safety training and lifelong learning for staff.

To reinforce this effort, in August 2024, the Office of Risk Management (KMR) held a **Risk Control Self-Assessment (RCSA) workshop**. This program empowered institutional units—including directorates, bureaus, and administrative divisions—to independently evaluate their operational risks and develop mitigation strategies. The inclusive and participatory nature of RCSA encourages engagement at all organizational levels.

In addition to strategic planning and risk assessment, IPB also prioritizes practical safety training. In September 2024, the IPB Graduate School conducted fire safety training in collaboration with the Bogor City Fire Department. Staff were trained in **emergency response procedures, fire prevention, and evacuation protocols**.

Programs

IPB Run 2024: Strengthening Community through Healthy and Comfortable Environment



As part of the commitment to fostering a harmonious and comfortable environment, the university successfully held the IPB Run Half Marathon 2024, an event that combined **physical wellness, environmental awareness, and community spirit**. Organized in October 2024, the event attracted **3,500 of participants** from within and outside the university, reinforcing the campus as a hub of inclusive and active engagement.

This event is not only to serve as a platform to promote a healthy lifestyle, but also to raise awareness about the **importance of environmental conservation**. Runners passed through green landscapes and scenic routes in the Dramaga campus and surrounding areas, highlighting the campus's commitment to preserving open spaces and nature-based recreation. This aligns with the principle of creating sustainable livable spaces that support relaxation, exercise, and social interaction.

The event also supported environmental initiatives by encouraging waste reduction and planting trees, reinforcing the message that harmony with nature can be achieved through collective action. By incorporating these elements, IPB Run embodied the university's effort to **integrate sustainability into recreational and cultural activities**.

Beyond health and environmental goals, the event fostered a **strong sense of community** among students, alumni, faculty, staff, and the public. Volunteers, local vendors, and university units worked together to ensure a smooth and inclusive experience, further enriching the university's social environment. The IPB Run Half Marathon 2024 represent how community events can promote well-being, environmental stewardship, and togetherness, which are the core values in building a sustainable and comfortable campus environment.



3

GOOD HEALTH
AND WELL-BEING

Encouraging healthy lifestyles through inclusive community sports and recreational activities.



11

SUSTAINABLE CITIES
AND COMMUNITIES

Strengthening environmental stewardship through promoting harmony with nature.



13

CLIMATE
ACTION

Raising awareness about environmental conservation and sustainability through community-based activities.

Programs

The IPB Dramaga Library offers comfort and a dedicated co-working space

The IPB Dramaga Library provides a **co-working space**, especially for students, creating a supportive environment for study and academic interaction. Its **calm and harmonious atmosphere enhances comfort and focus**. The spacious lobby and open areas on the first and second floors allow students to relax while reading or engaging in light discussions. A small garden adds a refreshing green touch, an ideal spot to unwind between sessions with books or academic references.

In October 2024, **the IPB University Library improved its facilities and services** by implementing new operational hours, now open from 08:00 AM to 11:00 PM. The library features private discussion rooms for 5 to 10 people, cozy lounge areas with soft seating, high-speed internet access, and modern digital services, creating a flexible learning environment for both individuals and groups.

Additional facilities available to visitors include a computer lab and three dedicated reading areas: the Inspiring Lounge, the third-floor reading room, and the Ideas Lounge. These services enhance users' sense of ease, security, and practicality, making **the library not only a place to study but also a comfortable space to collaborate and recharge**.

3 GOOD HEALTH AND WELL-BEING



- Provides a calm and harmonious learning environment that supports mental health
- Relaxation areas and a comfortable atmosphere encourage a balance between study and rest
- Facilities help reduce academic stress

IPB University
Bogor Indonesia

MERDEKA BELAJAR Kampus Merdeka

PENGUMUMAN

Ruang Oval Gedung B

Jam Operasional: 08.00-23.00 WIB

IPB KNOWLEDGE POOL
WHERE YOUR IDEAS BEGIN

lib.ipb.ac.id Perpustakaan IPB X perpus_ipb

Programs

Future Leaders for a Sustainable World: IPB Alumni Mentoring for Education, Careers, and Global Impact



The Mentoring Leader Batch 6 program, launched on May, 2024 by the DPP HA IPB in collaboration with DHA IPB, serves as a concrete example of continuous education within the IPB alumni community. This program is designed to bridge the **transition from academic life to the professional world** through a mentoring system that connects senior alumni with final-year students and recent graduates (up to three years post-graduation). Divided into five clusters—politics, bureaucracy, professionals, entrepreneurs, and academics—the program delivers experiential learning, equipping mentees with practical insights, leadership skills, and relevant competencies to deal with real-world challenges after campus life.

As part of an ongoing learning process, participants receive direct guidance from experts in their fields as well as gain access to professional networks through alumni connections across provinces and abroad. Activities such as the Joint Mentoring Session and Mentee Inauguration held on June 30, 2024 highlight the **importance of responsible knowledge application and reinforce the commitment to long-term personal development**. With a strong spirit of lifelong learning, the Mentoring Leader Program not only shapes future-ready young leaders but also fosters a collaborative learning ecosystem across generations of IPB alumni.



Enhancing leadership and practical skills through alumni mentoring for students and young graduates.



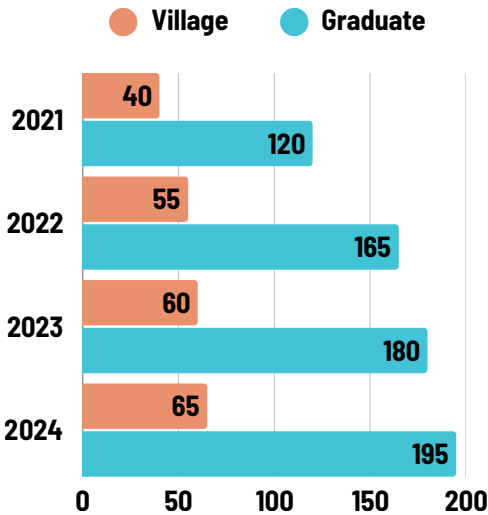
Preparing future leaders for the job market and entrepreneurship through real-world learning.



Strengthening alumni networks to foster collaboration and knowledge sharing for sustainable development.

Programs

Empowering Village Leaders Through Lifelong Learning and Data-Driven Development



As part of the commitment to continuous education, research, and community engagement, IPB University initiated the **Village Government School (Sekolah Pemerintahan Desa/SPD)**—a program that represent the university's efforts to empower rural governance through lifelong learning and applied knowledge. This initiative provides structured, practical education for village officials across Indonesia, equipping them with the skills and competencies needed to manage village administration more effectively and sustainably.

Now in its fourth year, SPD has graduated hundreds of village officials who have been **trained in areas such as participatory planning, digital governance, spatial mapping, public finance, and sustainable rural development**. The SPD curriculum is based on the Data Desa Presisi/DDP (Precision Village Data) concept developed by IPB researchers, which integrates **data-based policy-making, geospatial technologies, and community participation** to ensure that development efforts in villages are both evidence-based and inclusive. The DDP is one of **IPB University's missions to transform research into practical tools** for public benefits, while promoting academic collaboration and innovation. Both SPD and DDP are also a living laboratory for students and researchers involved in participatory action research, policy monitoring, and capacity-building efforts at the grassroots level.

4 QUALITY EDUCATION

Providing structured, lifelong learning for village officials through applied, community-based education and research.

11 SUSTAINABLE CITIES AND COMMUNITIES

Empowering rural communities to implement inclusive, data-driven planning for sustainable and resilient village development.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Strengthening village governance with participatory planning, data-based decision-making, and inclusive policy implementation.

17 PARTNERSHIPS FOR THE GOALS

Fostering multi-stakeholder collaboration between academia, government, and communities to support rural development.

Programs

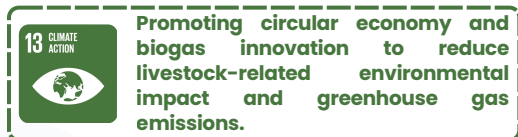
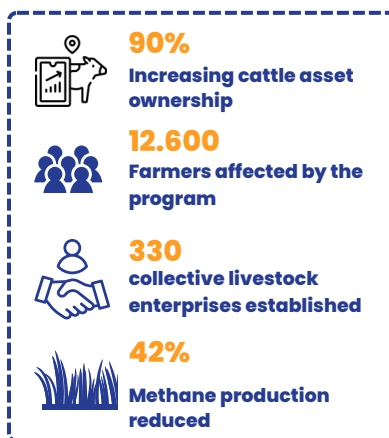
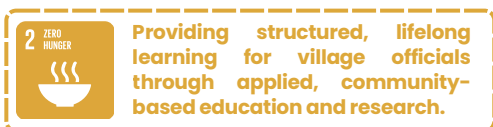
Building Livelihoods and Sustainability through School for Smallholders Livestock Farmers



As part of the commitment to the continuous education, research, and community service, IPB University developed the School for Smallholders Livestock Farmers (Sekolah Peternakan Rakyat (SPR)) —an innovative and inclusive program aimed at **empowering smallholder livestock farmers** throughout Indonesia. SPR provides lifelong learning opportunities through practical, field-based training designed to improve livestock productivity, agribusiness skills, and leadership capacity at the community level.

The program **blends local knowledge with modern science**, ensuring that learning is relevant, applicable, and sustainable. Participants are trained in best practices for animal husbandry, cooperative business models, financial literacy, and digital-based farm management. A central feature of SPR is its environmental component: farmers learn to convert livestock waste into biogas, organic fertilizer, and feed concentrate, thus **promoting circular economy practices and reducing environmental degradation**.

To date, **SPR has facilitated the establishment of more than 330 collective livestock enterprises** (bisnis kolektif berjamaah) across Indonesia. These initiatives have enhanced economic self-reliance and created job opportunities in areas with limited formal employment. Notably, 90–100% of SPR graduates now manage their own livestock operations, signifying a major shift toward independence and improved livelihoods.



Programs

Empowering the Global South: IPB's Strategic Role in Agricultural Collaboration

IPB University actively contributes to strengthening the capacity of farmers at the national level through various collaborative programs and field mentoring. The university works **in partnership with the Ministry of Agriculture, local governments, and the private sector** to develop modern agricultural technologies, such as smart farming, post-harvest processing, and digital-based marketing. Through a “from lab to field” approach, IPB researchers and students are directly engaged on the ground to ensure the effective adoption of appropriate innovations by farmers. At the national scale, IPB has played a role in nearly 10% of villages across Indonesia.

IPB has also **pioneered international cooperation networks** with farmers and fishers in various countries. Notable collaborations have been established in Madagascar, Taiwan, and China. **In Madagascar, IPB has supported the development of small-scale fisheries on Anakao Island** by training fishers to construct stationary **fish aggregating devices (FADs) using local materials**. In addition, IPB introduced a portable FAD innovation at the 8th Senior Official Meeting, attended by delegates from 40 island nations.



In Taiwan, IPB collaborates to develop a Smart Agriculture Training Center for young Indonesian farmers. Experienced Taiwanese farmers will share agricultural knowledge with Indonesian counterparts, supported by funding from the Taiwanese government. Meanwhile, **in China, IPB has partnered with Jiangsu Agriculture and Animal Husbandry Vocational University to advance vocational education in modern agriculture and livestock farming.** These partnerships are vital to maintain and expand. IPB's growing international network is expected to **enhance its global presence, especially among Global South countries.**

2
ZERO
HUNGER



Improving food systems through farmer training, smart agriculture, and sustainable fisheries in Indonesia and partner countries.

16
PEACE, JUSTICE
AND STRONG
INSTITUTIONS



Strengthening institutions through farmer empowerment and inclusive knowledge-sharing across borders.

4
QUALITY
EDUCATION



Advancing agricultural and vocational education through international partnerships and field-based learning programs.

17
PARTNERSHIPS
FOR THE GOALS



Building international collaboration networks to support sustainable agriculture in the Global South.

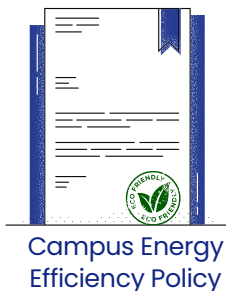
Action Plans

Manageable Infrastructure



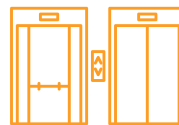
As part of its commitment to strengthening environmental governance on campus, **IPB University plans to develop and regularly evaluate the Environmental Impact Assessment Document (DELH)** in a comprehensive manner across all campus locations. This initiative aims to ensure that every development and operational activity considers environmental impacts holistically and complies with applicable regulations. The DELH will also be aligned with the achievement of the Sustainable Development Goals (SDGs), particularly in the areas of water management, terrestrial ecosystems, sustainable urban planning, and climate action.

Controlled Energy and Pollution



As part of its strong commitment to becoming a sustainable campus, IPB University plans to implement an integrated energy efficiency action plan, aligned with its resource management and institutional budget policies. This strategy will include optimizing the operation of high-energy facilities such as teaching industries, greenhouses, and cold storage units by reducing their operating hours. In addition, units using these facilities for income-generating activities will be required to cover their electricity expenses independently.

On a technical level, the university intends to limit elevator usage to one unit per day on a rotating basis in buildings with two elevators.



1 out of 2
Only 1 out of 2 lifts is allowed to operate.

temperature setting


23–25°C

Air conditioner (AC) usage will also be tightly regulated—restricted to between 10:00 AM and 4:00 PM with a temperature setting of 23–25°C, and a maximum of 50% of total available units may be in use. Outside of these hours or when unnecessary, AC units must be turned off, and natural ventilation should be prioritized.

Lighting use in non-academic spaces, such as offices and lobbies, will be limited to 50% of normal capacity during working hours. Through this holistic approach, IPB University aims not only to improve fiscal efficiency but also to reinforce its role in climate change mitigation and sustainable energy governance.

50%
the lights are allowed to operate.



Action Plans

Continuous Education, Research, and Community Service

Kurikulum Berdampak

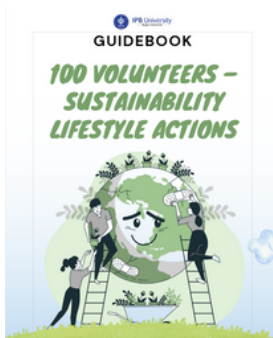
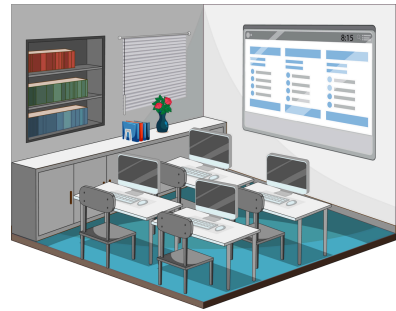


**DIKTISAINTEK
BERDAMPAK**

IPB University initiated the preparation of the 2025 Curriculum (K2025) as a strategic response to the comprehensive evaluation of the 2020 Curriculum (K2020). The curriculum was planned to be implemented in 2025, with a focus on developing outcome-based, multi-level learning design aligned with future needs. The process also aimed to incorporate transformative and sustainable approaches, reflecting IPB University's vision to remain adaptive and relevant in addressing global educational challenges.

Smart Classroom

IPB University plans to launch the Smart Classroom program as a strategic step to integrate artificial intelligence (AI) technology into its learning system. The Smart Classroom is designed to enable lecturers to monitor student participation and responses in real time, including identifying inactive students and detecting signs of fatigue through AI-based facial recognition technology. This initiative is expected to enhance the quality of learning by making it more adaptive and data-driven.



Initiating the 100 Youth Action for Sustainable Solutions

IPB University plans to initiate the "100 Youth Action" movement as a strategic effort to encourage the active role of young people in delivering real solutions to sustainability challenges. Through this program, 100 youths from diverse backgrounds will be selected and mentored to become Sustainable Solution Champions capable of driving impactful actions in environmental, social, and economic fields.

The initiative is designed as a space for collaboration, education, and advocacy, empowering youth to respond to global challenges through local solutions. This plan reflects IPB University's commitment to fostering a forward-thinking and sustainability-oriented youth leadership ecosystem.





IPB University
— Bogor Indonesia —

SUSTAINABILITY REPORT
2024



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