



IPB University
— Bogor Indonesia —

SUSTAINABILITY REPORT

IPB UNIVERSITY



20
22

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Sustainability Report 2022

Contributors:

Alfian Helmi

Anuraga Jayanegara

Mokhamad Fakhrol Ulum

Beginer Subhan

Heriansyah Putra

Karlisa Priandana

Kaswanto

Megawati Simanjuntak

Pria Sembada

Purnawati Hustina Rachman

Roza Yusfiandayani

Muh Firmansyah

Bunga Anggraeny

Nabilah Zulfah Ramadhani

Bintang Aditia Tri Wibowo

Design and Cover:

Bintang Aditia Tri Wibowo



**Directorate of Strategic Studies and Academic Reputation
IPB University**

Gedung LSI 1st Floor Jalan Kamper,

IPB University Dramaga Campus, Bogor-Indonesia 16680

Phone number: 0251-8624057 | E-mail: dkasra@apps.ipb.ac.id

Website: <https://sustainability.ipb.ac.id>

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RECTOR MESSAGE



IPB University has long been committed to promoting sustainability in all aspects of our institution, from education and research to operations and community engagement. We believe that addressing the challenges posed by climate change, environmental degradation, and social inequities is not only a moral imperative but also a fundamental responsibility of higher education institutions. Today, we take a significant step forward in reaffirming our dedication to sustainability by presenting this comprehensive report. It serves as a testament to the collective efforts of our faculty, staff, and students who have worked tirelessly to integrate sustainable practices into the very fabric of our university.

This report goes beyond mere numbers and statistics; it encapsulates the spirit of innovation, collaboration, and resilience that defines IPB University. It highlights our achievements and progress, acknowledges our shortcomings, and charts the course for our future endeavors. Within its pages, you will find inspiring stories of research breakthroughs, transformative educational initiatives, and impactful community outreach programs. You will also discover the tangible outcomes of our sustainability commitments, such as reductions in carbon emissions, the implementation of renewable energy sources, and the adoption of sustainable practices in our agricultural and natural resource management systems. However, we recognize that sustainability is an ever-evolving journey, and there is much work still to be done.

This report also serves as a roadmap, guiding us towards even greater achievements in the years to come. It invites us to reflect, adapt, and continue pushing the boundaries of what is possible. This report may not capture and present all the fantastic work of our staff and students across research, teaching, engagement/outreach and operations. Our most profound appreciation for all of you, and we believe these works/activities will set us on a path to a more sustainable future for all.

I would like to express my heartfelt gratitude to everyone involved in the creation of this report—our dedicated sustainability teams, the researchers and scholars who have contributed their expertise, and the countless individuals who have contributed their time, energy, and passion towards our shared vision. To all the students who have championed sustainability causes, I commend your unwavering commitment to creating a better world. Your voices and actions inspire us all and remind us that the future rests in your capable hands.

In conclusion, let us celebrate the launch of IPB University's Sustainability Report 2022 as a testament to our dedication, progress, and determination to build a sustainable future. May it ignite conversations, foster collaboration, and spark transformative change within our institution and beyond.

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

Rector

Arif Satria



LIST OF CONTENTS

IPB University
Profile

01

 **1** NO POVERTY

14

46

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



 **2** ZERO HUNGER

18

54

11 SUSTAINABLE CITIES
AND COMMUNITIES



 **3** GOOD HEALTH
AND WELL-BEING

22

60

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



 **4** QUALITY
EDUCATION

26

62

13 CLIMATE
ACTION



 **5** GENDER
EQUALITY

30

66

14 LIFE
BELOW WATER



 **6** CLEAN WATER
AND SANITATION

34

74

15 LIFE
ON LAND



 **7** AFFORDABLE AND
CLEAN ENERGY

38

78

16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



 **8** DECENT WORK AND
ECONOMIC GROWTH

42

82

17 PARTNERSHIPS
FOR THE GOALS



University PROFILE



Institut Pertanian Bogor (IPB) translated as IPB University was established on September 1, 1963, by Decree of the Minister of Higher Education and Science (PTIP) of the Republic of Indonesia Number 91, which was later ratified on September 1, 1965, by the Presidential Decree of the Republic of Indonesia Number 279. The new brand of IPB was officially launched in early 2019, based on the decree of the Board of Trustees (MWA) No. 7/IT3.MWA/OT/2019 concerning Ratification of Rebranding Under the Name of IPB University. The decision to rebrand was made for various purposes. For a long time, IPB referred to itself as "Bogor Agricultural University", but with the new brand, it enhances IPB profile and recognition in the global community, and makes it easy to recognize. Another reason is that IPB has long expanded with more comprehensive study programs, with the IPB University brand that will build broader associations and promise higher value. Along with this new brand, IPB University also came up with a new motto/tagline, namely "Inspiring Innovation with Integrity in Agriculture, Ocean, Biosciences for a Sustainable World". This motto indicates the readiness of IPB University to face a disruptive era and increasingly fierce competition.

Strategies and Programs

Local-Global Connectivity has been taken as its tagline since 2022. IPB University has the vision to become an outstanding research-based university and leading in innovation towards a techno-socio-entrepreneurial university in agriculture, marine, and tropical biosciences (IPB University Strategic Plan 2019–2023). It has several missions, as follows:

- 01** Providing higher education by strengthening research-based universities to produce outstanding techno-sociopreneur graduates with noble character based on faith and piety to God, high nationalism, professional competence, millennium soft skills, leadership, globally insightful, and become a trendsetter of innovation and change;
- 02** Pioneering leading research in transformative science and technology for the creation of quality of sustainable life and innovation for the people's economy and national industry;
- 03** Exploring the latest sciences in agriculture, marine and tropical biosciences to determine current science trends at the national and global level;
- 04** Improving proactive services that contribute and solve community problems and enhance roles of IPB University in determining the direction of national policy;
- 05** Strengthening the higher education governance system that can guide the development of modern management systems of higher education in the 4.0 era.

The development of IPB University is carried out with 5 (five) strategies:

1. Strengthening IPB University as an anchor of academic excellence that produces graduates with superior character techno-solopreneurs.
2. Constructing an innovation ecosystem that is adaptive to the transformation of the digital society.
3. Capitalizing current achievements to strengthen IPB University's strategic alliance in regional and national development.
4. Building a spirit of advancing together and transforming a culture of excellence by strengthening the engagement of the IPB University academic community within the framework of bureaucratic reform with the principles of the learning organization.
5. Bridging and playing an active role in building local, national, and global connectivity.

IPB University Business Model



Various programs have been developed under the ten directions, including:

- 1. Education:**
Structuring study programs and curriculum 2020, strengthening entrepreneurship education and character education, increasing intake quality
- 2. Research Development:**
Research center clusterization and advancing research management and utilization
- 3. Community Development:**
Enhancing the Role of IPB University for Society and International Community Service Programs
- 4. Business and Innovation:**
Innovation and business development, development of student and alumni entrepreneurship, development of endowment fund;
- 5. IPB University Smart:**
Enhancing effectiveness and efficiency of organizational systems and increasing IPB University Ranking at national and international level
- 6. Human Resources:**
Improving human resources performance;
- 7. Finance:**
Increasing funding resources and improving financial management
- 8. Infrastructure:**
Improving management and development of facilities and infrastructure
- 9. Information and Communication Technology:**
Development of information systems for academics, finance, health, employment, cooperation, and some others; and
- 10. Student and Alumni Affairs:**
Fostering character building, soft skills, leadership and entrepreneurship and graduate careers, improving student welfare, mapping student interest and talent, increasing cross-cultural interaction and relationships between alumni and student.



Ten strategic initiatives of IPB University have been directed program design and implementations in all areas of working under the framework of IPB University 4.0. These initiatives were created in response to major disruptions, which digital technologies have accelerated. The occurrence of the Covid-19 Pandemic emphasizes the importance of incorporating these initiatives into the university's business model.

Campus Areas

- Dramaga (Main Site)
267 ha
- Research Station
750.89 ha
- IPB Innovation Valley
268.66 ha
- Baranangsiang
11.4 ha
- IPB Guci
14.75 ha
- Science Technopark
3.46 ha



15 Campus Site

Faculties



Faculty of Agriculture



Faculty of Mathematics & Natural Sciences



Faculty of Agricultural Engineering & Technology



School of Veterinary Medicine & Biomedical Sciences



Faculty of Economics & Management



School of Business



Faculty of Fisheries & Marine Sciences



Faculty of Human Ecology



Vocational School



Faculty of Animal Sciences



Faculty of Forestry & Environment



Faculty of Medicine

Campus Population



36,163

Total Population



2,003

Employee (staff)



1,374

Lecturer



32,786

Students

Research Centers

- Environmental Research Center (PPLH)
- Center for Agricultural and Rural Development Studies (PSP3)
- Research Center for Bio-Resources and Bio-Technology
- Center for Research for Engineering Application on Tropical Agriculture (CREATA)
- Southeast Asian Food and Agricultural Science and Technology Center (SEAFST)
- Surfactant and Bioenergy Research Center (SBRC)
- Center for Regional Systems Analysis, Planning and Development (P4W)
- Center for Coastal and Marine Resource Studies (PKSPL)
- Primate Research Center (PSSP)
- Research Center for Tropical Horticulture (PKHT)
- Center for Tropical Animal Studies (CENTRAS)
- Research Center for Human Resources Development (P2SDM)
- Tropical Biopharmaca Research Centre (TropBRC)
- International Center for Applied Finance and Economics (InterCafe)
- Center for Alternative Dispute Resolution, Regulation, and Policy (CARE)
- Center for Climate Risk and Opportunity Management Southeast Asia and Pacific (CCROM-SEAM)
- Research Center for Mine Reclamation (REKLATAM)
- Center for Disaster Studies (CERDAS)
- Center for Islamic Business and Economic Studies (CI-BEST)
- Center for Gender and Child Studies (PKGA)
- Center for Agrarian Studies (PSA)
- Center for Halal Science
- Center for Transdisciplinary and Sustainability Science (CTSS)



Research Station

Cluster of Research in IPB University

Research at IPB University is carried out with the following clusters:

1. Renewable resources based industry
2. Biorelated sciences and health
3. Indigenous knowledge/technology
4. Food security and food safety
5. Genetic resources and engineering and breeding
6. Conservation and environment
7. Social, economy, and culture
8. Biophysics, mechanics, and equipment
9. Management and information technology
10. Regional development and community empowerment

Tinjil Island (Primate Conservation)



Tinjil Island is one of island that registered under the government of Banten Province. The island is located in Indian Ocean to the south of Java island. Since 1988, Tinjil island was set to be breeding place of long-tailed monkeys brought in from Sumatra and Java. Tinjil Island is used as a place for semi-natural breeding and captivity which is managed by the Center for Primate Animal Studies (PSSP) of IPB University for research activities.

Fish Pond (Aquaculture)



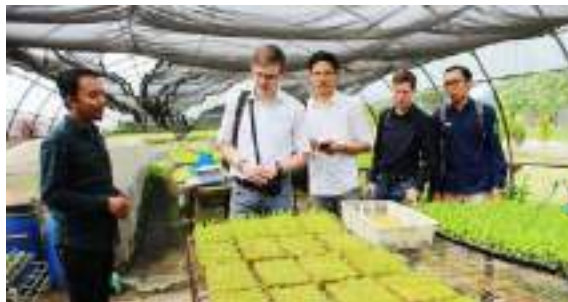
Gunung Walat Education Forest (GWEF) has area of 359 hectare. The site is located in Cibadak and Cicantayan Subdistrict, Sukabumi Regency, about 50 km from Bogor. GWEF is a State forest area designated as an Education and Training Forest whose management is handed over to the Faculty of Forestry, IPB University. In the GWEF area, there are a wide variety of wildlife species including mammals, reptiles, birds, dan fish.

Cikabayan Farm (Plant Collection)



In the Cikabayan farm there are several plant collection zones that can support practical activities and student research such as collections of durians, palm, coffee, aloe vera, breadfruit, and others.

Agribusiness Technology Park (Horticulture)



IPB University has Agribusiness and Technology Park (ATP), which is an integrated agribusiness pilot center located in Cikarawang Village, Dramaga, Bogor. In addition to functioning as a means of research and development of horticultural products, ATP also provide variety of fresh vegetable and fruit products and various plant seeds.

Gunung Walat Education Forest



Gunung Walat Education Forest (GWEF) has area of 359 hectare. The site is located in Cibadak and Cicantayan Subdistrict, Sukabumi Regency, about 50 km from Bogor. GWEF is a State forest area designated as an Education and Training Forest whose management is handed over to the Faculty of Forestry, IPB University. In the GWEF area, there are a wide variety of wildlife species including species of mammals, reptiles, birds and fish.

Pasir Sarongge Farm



Pasir Sarongge Garden is located in Pacet Subdistrict, Cianjur Regency, West Java. The activities in the site are include vegetable cultivation, packing house and agro-tourism package as a place for field practicum for students in cultivation aspects, post-harvest handling, to marketing aspects.

Sabisa Farm (Farm Business)



Sabisa is an acronym of Sarana Belajar Petani Sarjana or literally means Learning Facilities for Undergraduate Farmers. Sabisa Farm can be the learning tools for students that are interested in arming and farm businesses. Sabisa farm offers guidance service to students while managing their horticulture businesses. Sabisa Farm was established in 2013 and is in Jalan Sindang Barang, Bogor City. The farm is planted with not more than 2000 red flesh dragon fruit trees and 200 white flesh dragon fruit trees in area of 6000 m².

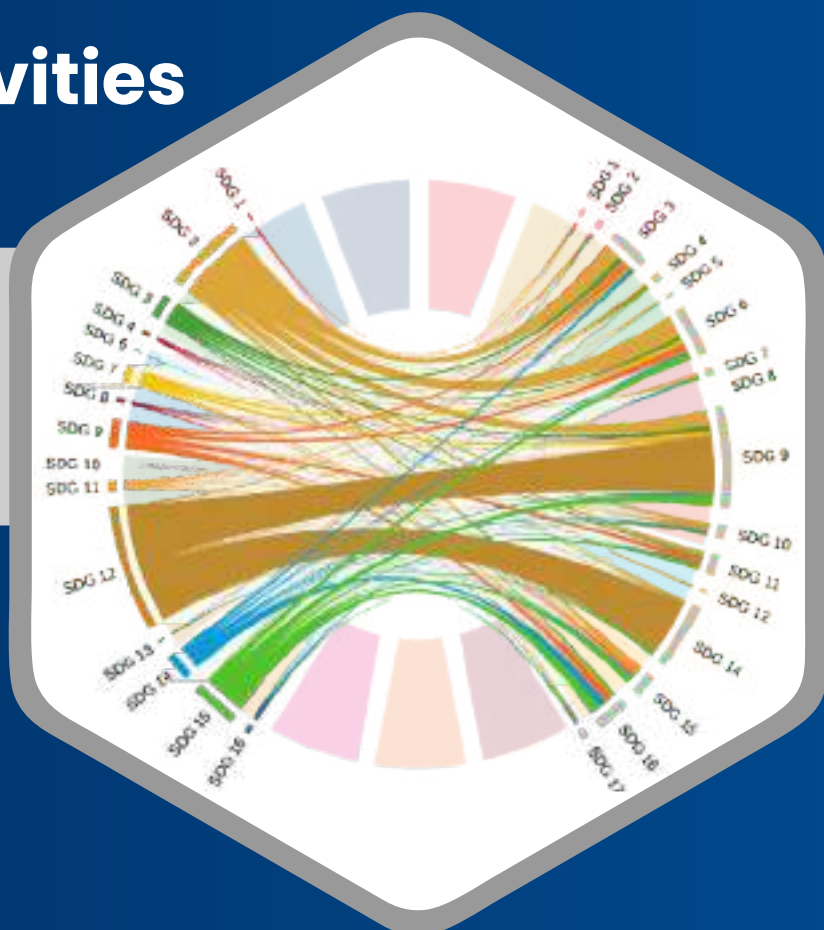
Pelabuhan Ratu (Fisheries and Marine Sciences)



The Marine Field Station is one of the facilities owned by the Department of Aquaculture of IPB University. Built on an area of 4 hectares, this field station is equipped with lecture rooms, labs and lodging (guest house) located in Pelabuhan Ratu, Sukabumi. At Pelabuhan Ratu there is also a field practice of fishing. At this location, IPB University also collaborated with a private sector to enlarge and process eel into kabayaki, a product that is exported to Japan.

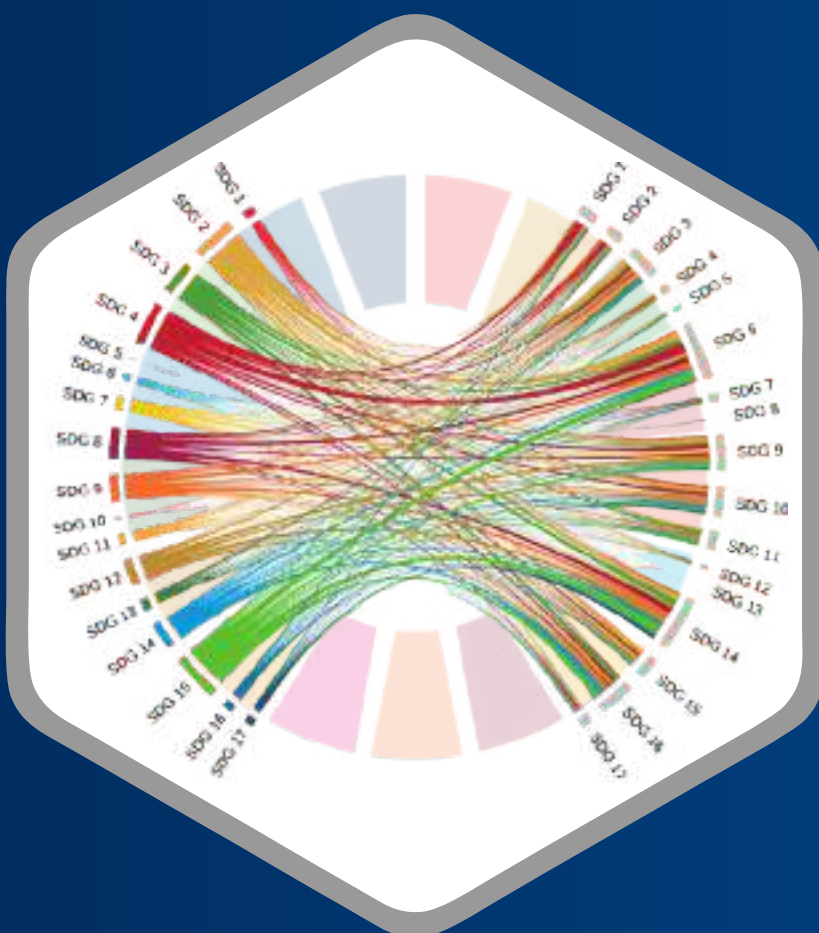
Research activities by SDGs

Research activities by SDGs in 2022 are mostly related to **SDG 12, SDG 2, SDG 15, SDG 9, & SDG 14** as many as 175, 112, 64, 41, 37 of total 530 research activities.



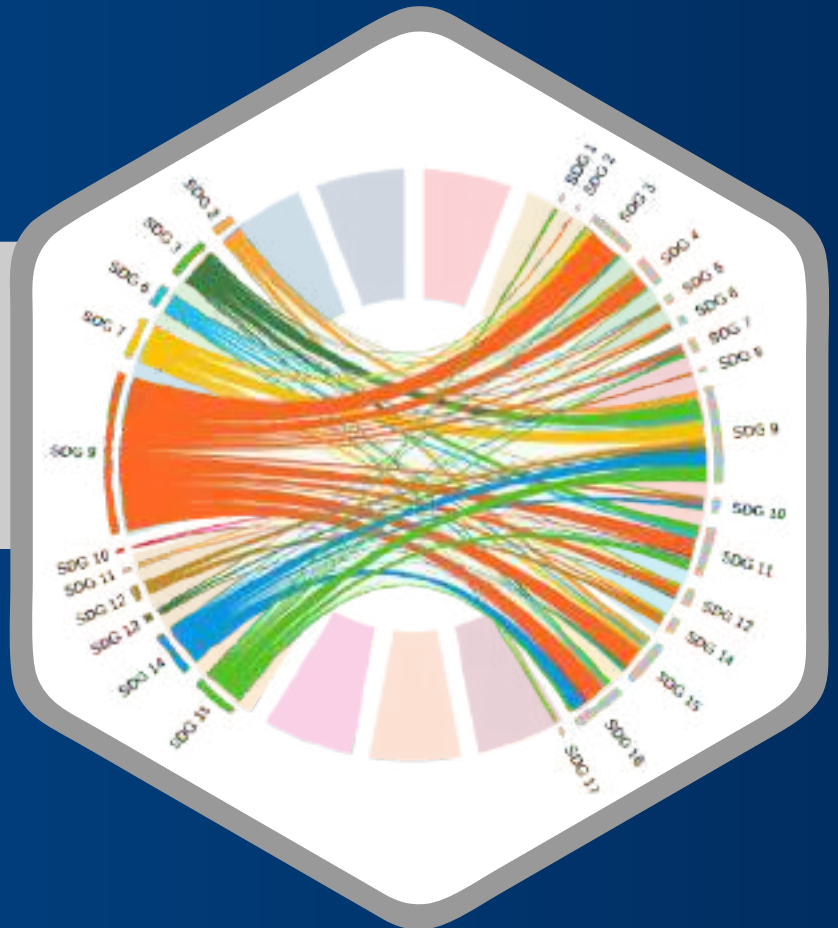
National & International Publication by SDGs

National & international publication by SDGs in 2022 are mostly related to **SDG 2, SDG 4, & SDG 15** as many as 459, 471, & 498 of total 3,791 publication

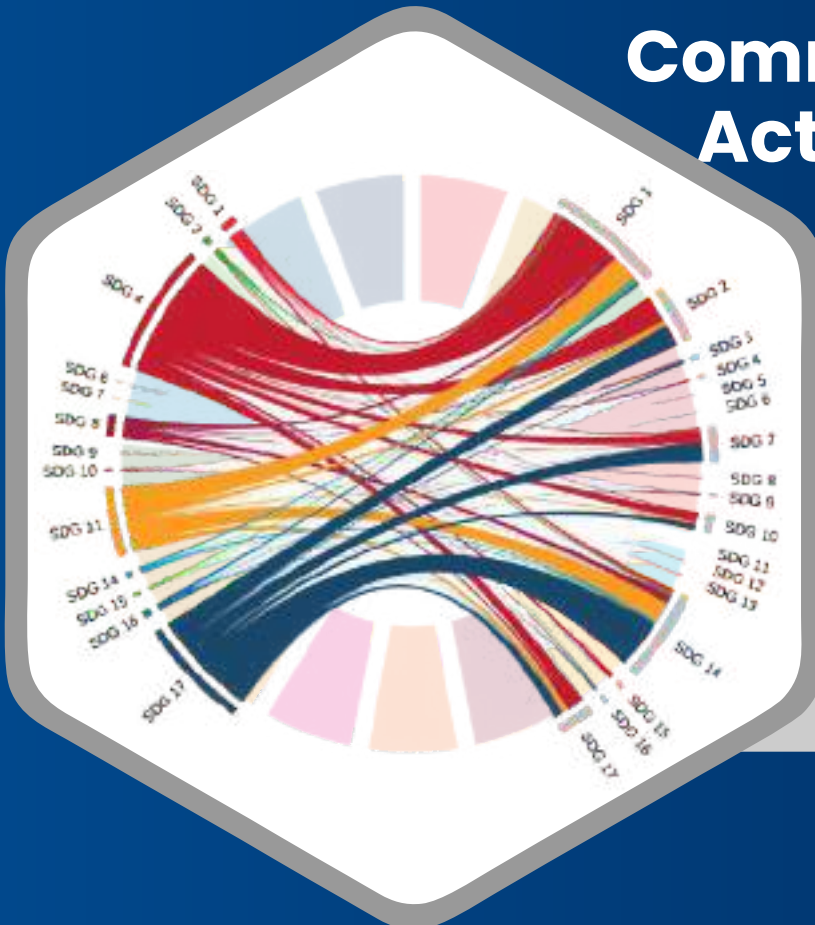


Innovations by SDGs

IPB University's innovations by SDGs in 2022 are mostly related to **SDG 9** as many as **43** of the total **109** innovations that are circulatory related to SDG 3, SDG 4, SDG 11, SDG 15, & SDG 16.



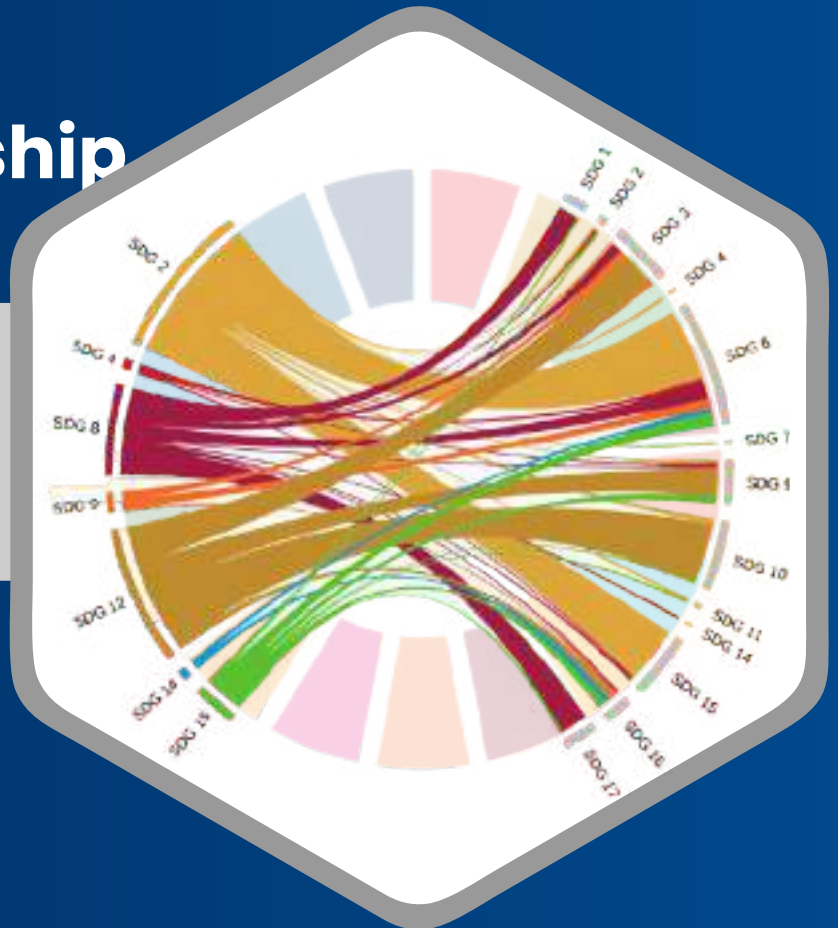
Community Service Activities by SDGs



Community service activities consist of **Student Volunteering or KKN** and **Lecturer's Community Empowerment Programs**. In 2021, there is 485 KKN activities and 48 Lecturer's Community Empowerment programs. Community Service Activities by SDGs in 2021 are mostly related to **SDG 4, SDG 17, SDG 11, & SDG 1** as many as **183, 157, 97, & 23** of the total 513 activities.

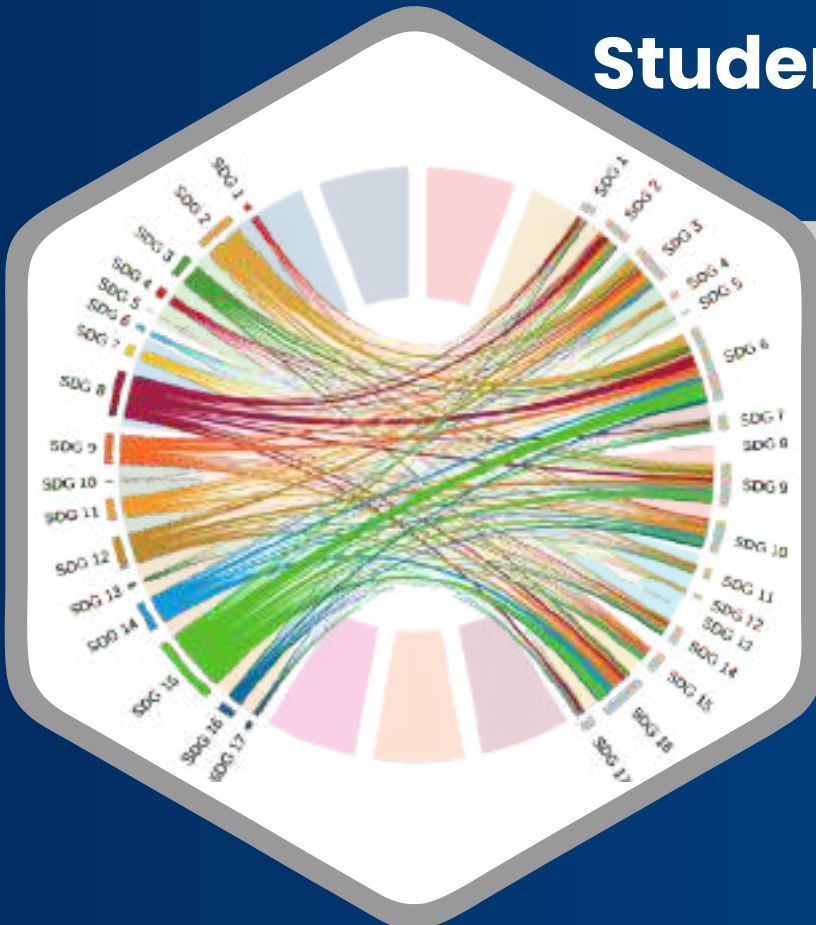
Student Entrepreneurship by SDGs

Students Entrepreneurship by SDGs in 2022 are mostly related to **SDG 2** and **SDG 12** as many as **29 & 26** of total **88**.



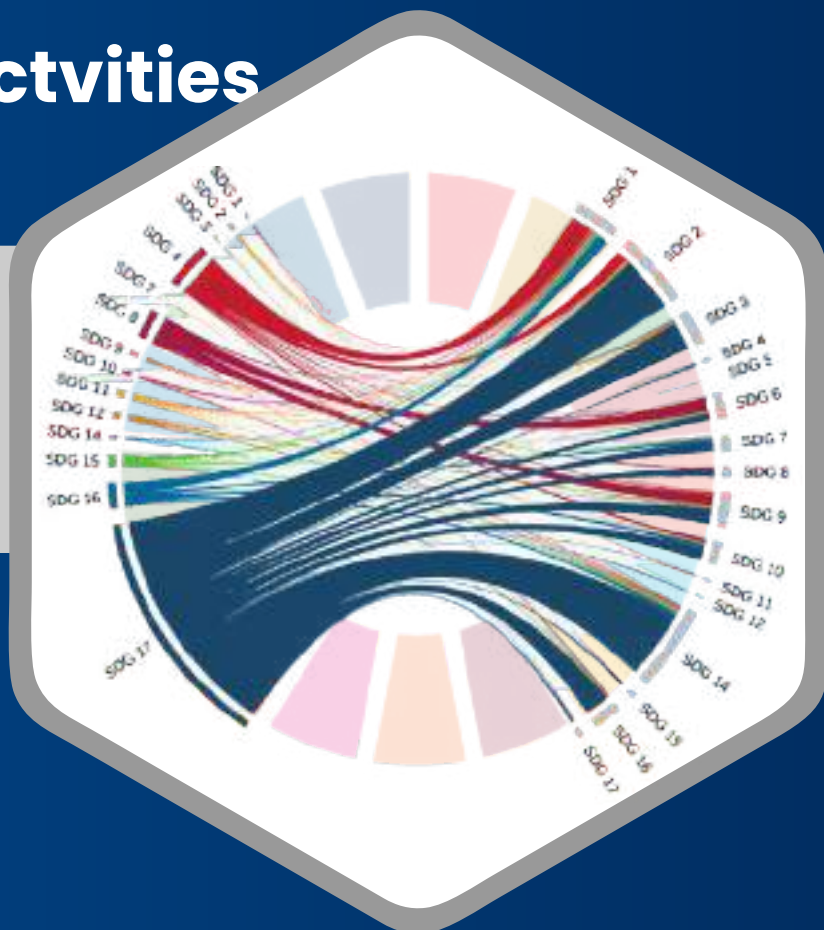
Student Final Project by SDGs

Student Final Project by SDGs in 2022 are mostly related to **SDG 15, SDG 8, SDG 2, SDG 12 & SDG 14** as many as **986, 684, 599, 482 & 443** of the total **5,224**.



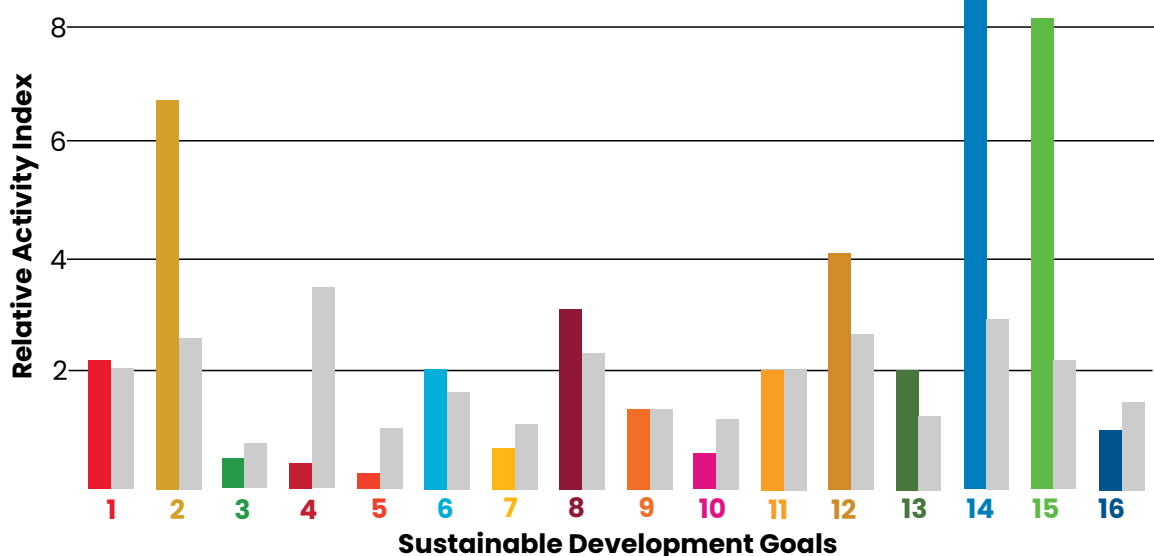
Partnership Activities by SDGs

Partnership activities by SDGs in 2022 are mostly related to **SDG 17** as many as **667** of the total **1063** partnership activities that are circularly related to SDG 2, SDG 3, SDG 14, and SDG 16.



Relative Activity Index of SDGs

 IPB University
 Indonesia





**Kementerian PPN/
Bappenas**

IPB University won first place in SDGs Action Awards 2022 in the higher education category. The award was given by the National Development Planning Agency (Bappenas).



1st Place in
**Indonesia's
SDGs Action
Awards 2023**

IPB University has earned a spot among the top 10 universities worldwide that support the accomplishment of the Sustainable Development Goals (SDGs). The ranking conducted by Times Higher Education (THE) places IPB's contribution in the ranks of the world's top 10 in three SDGs goals, namely SDG 8 (Decent work and Economic growth) which ranks 1st in the world, SDG-1 (no poverty) in the ninth rank of the world and SDG-2 (zero hunger) which ranks tenth in the world.



THE University Ranking based on SDGs 2022

Sustainable Development Goals	Indonesia Ranking	World Ranking
SDG 1: No poverty	2	9
SDG 2: Zero hunger	2	10
SDG 3: Good health and well-being	9	401-600
SDG 4: Quality education	5	101-200
SDG 5: Gender equality	2	42
SDG 6: Clean water and sanitation	2	50
SDG 7: Affordable and clean energy	5	48
SDG 8: Decent work and economic growth	1	1
SDG 9: Industry, innovation, and infrastructure	5	101-200
SDG 10: Reduce inequalities	6	401-600
SDG 11: Sustainable cities and communities	3	101-200
SDG 12: Responsible consumption and production	1	65
SDG 13: Climate action	3	101-200
SDG 14: Life below water	1	20
SDG 15: Life on land	1	30
SDG 16: Peace, justice, and strong institution	3	101-200
SDG 17: Partnership for the goals	3	101-200

1 NO POVERTY



End Poverty in all its forms everywhere

1. University Anti-Poverty Program

IPB is fully committed to support students coming from low-income households as an effort to break the intergenerational cycle of poverty which aims to prioritize admission of 25 percent of students who fall into the bottom 20% of the household income group in Indonesia, namely families with less than IDR 4 million per month. **IPB Strategic Plan 2019 -2023** also states the commitment to prioritize young generations coming from farmer, fishermen, and forest-community households which the majority of them are from low-income families.

IPB University provides various support for students, particularly from low-income families, to enable them to complete their studies. Our fundamental principle is that all qualified individuals should be able to obtain higher education regardless of their financial status. We accomplish this objective by working with the government, donors, and students. We are proud of our innovative financial aid programs specifically geared to ensuring an accessible, top-quality education for all students.

Scholarship and Tuition Assistance 2020-2022

	2020	2021*	2022
Donors	60	63	63
Beneficiaries	99,972	12,604	8,783
Fund (billion Rupiah)	102.50	117.48	118.99

*Including Equitable Academic Tuition Fee (UKT) support from The Ministry of Education for students affected by Covid-19, UKT instalment, and final year students who are struggling financially to finish their coursework

2. Low-Income Student Support

In 2022, 8,783 students (40,71%) received a scholarship. About 55 percent of scholarship holders originated from low-income families, indicating IPB University's commitment to provide access for young generations, especially from this group. The scholarships have enabled students to finance their studies until graduation.

In 2022, IPB has also targeted 80 percent of its undergraduate students to obtain a job, pursue higher education, or become entrepreneurs. This target is to improve the quality of learning and the relevance of higher education as stated in.

Research in Number

 **57** Scholarly Output in 2020-2022

 **68** FWCI in 2020-2022

 **216** citation count in 2020-2022

4.07% of all Indonesian citation count

3.81% of all Indonesian Scholarly output

Aside from financial support, IPB has also provided various support for students for low-income families, such as:

A. Food Support

- **IPB Go Maksi:** is a free lunch program for undergraduate students through the provision of lunch coupons. This program is supported from Agrianita IPB and held weekly for 350 students.
- **Dapur Agrianita (Agrianita's Kitchen):** aims to fulfil balanced nutritional needs of students. This program was emerged due to irregular and unhealthy eating habits of students due to their lack of purchasing power. The Agrianita Kitchen targets to provide at least 200 servings of nutritious food each day which is delivered through faculties.



- **Milk and Fruits Assistance:** was organized by the Directorate of Student Affairs IPB University who provides free milk and fruits for undergraduate students. In 2022, 15,178 packages of milk and fruit has been distributed to students.

B. Housing and Dormitory

IPB University offers one of the most affordable student accommodation options which provides experience in an inclusive, supportive and authentic environment gathering students nation and world wide. Residents of IPB Dormitories are also equipped with various sport facilities, cultural and wellness events that run year-long as part of our inter-cultural program, allowing students to create memories and friendships during their time at IPB.

IPB Dormitory Facilities

Dormitory for New IPB Students



C. Transportation

IPB University provides free transportation throughout the campus for students and employees.

IPB provides 8 buses and more than 700 bikes



3. International Student Support from Low or Lower-Middle Income Countries

In 2022, 51 international students actively participated in lectures at IPB University at various levels. Approximately 47 of them received scholarships for their master degree. The percentage of foreign students at the master's level at IPB who received scholarships was 92% with sources of scholarships coming from Beasiswa Kemitraan Negara Berkembang (KNB), Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ), and Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA).

4. Community Anti-Poverty Programs

IPB University has a long record in community development, including assisting start-ups in the local community to sustain their businesses. IPB University also actively organizes training or programs to improve access to basic services for all.

A. IPB Tenant Incubation Program

This program implemented by IPB University includes a mentoring and funding scheme for innovative and prospective technology-based startup entrepreneurs in tropical agriculture, biosciences, and maritime. Stages of activities start from the selection and recruitment of prospective tenants and incubation (training, technical assistance in production and business management, business matching, exhibition, and monitoring evaluation). For more information:

IPB Tenant Incobation Program

B. Access to University Facilities for SMEs

Science and Techno Park (STP) IPB University offers free access to state-of-the-art agricultural science and engineering equipment and facilities to help Indonesian SMEs, spin-outs, and start-ups to develop their business. The scheme is designed to overcome cost barriers and derisk experimental materials-based R&D and to help pave the way for future collaborations with IPB University. To apply, the company should read the eligibility and submit the application form to STP IPB. For more information:

Access to University Facilities for SMEs

C. Training and Technical Assistance for SMEs

SEAFast Center IPB University, in collaboration with the Office of Cooperation and SMEs, Bogor, organized . IPB University also facilitates business network expansion as a solution for Micro, Small, and Medium Enterprises (UMKM) surrounding the campus area. IPB lecturers also conducted **training activities for SMEs in Cibadak Village** in the 2022 Lecturer Community Empowerment Program (Dosen Mengabdi) Program. The theme is "Increasing Product Resilience and Development of Innovative Marketing for Processed Food Products".



5. Local Start-Up Financial Assistance

Institute of Science and Technology Park (LKST) IPB University provides financial assistance for local start-ups through **Startup Incentive Program** to provide seed money for business development. This program is included in the mentoring program implemented by the Division of Business Incubator and Industrial Partnership in LKST.

6. Programmes for Services Access

IPB University strongly engages with the communities and continuously implements programs to improve access to basic needs for all. Several programs that have been implemented in 2022 are listed as follows.

A. Training in Urban Farming in Desa Buduan Suboh, Jawa Timur was held as a response to the increase of land use changes in villages near The North Coast of Java (Pantura The women in Desa Buduan Suboh were trained to use hydrogel as a planting medium.



B. Enhancing household food security is an important issue for the rural and urban communities, especially during the new normal era. Through The Urban Farming Training program, some of IPB University lecturers educate households in Kelurahan Margajaya, Kota Bogor to conduct chili cultivation in their yards. This program was held from 3rd until 4th September 2022 and also trained the households to make compost and to calculate their business budget.



7 Policies Addressing Poverty

IPB has participated in policy-making processes at the local, regional, national, and/or global levels to implement programs and policies to end poverty in all its dimensions.

A. Local Level

IPB University assists the provincial government in eradicating poverty in East Nusa Tenggara Province to improve the quality of life of the community. IPB University also recommends and will assist the NTT government in providing education and practices for good nutrition intake, as well as developing fisheries, animal feed, moringa, and animal husbandry to overcome poverty in the region.

B. National Level

- IPB University has introduced Precision Village Data (Data Desa Presisi – DDP) to the central government and local governments of 13 provinces to assist the government in solving problems related to poverty. DDP presents accurate data for Indonesia. The efficiency and accuracy of data is resulted from a participatory approach that includes numerical and spatial data. This method has been implemented in 341 villages in those provinces and will continue to expand in the next year.
- The Coordinating Ministry of Human Development and Culture (*Kementerian Koordinator Pembangunan Manusia dan Kebudayaan*) collaborated with IPB University to address the problem of extreme poverty in Indonesia's coastal community. Extreme poverty rate in Indonesia's coastal areas reached 4,19%. The fact is that fishermen are a group of people who are still classified as poor and are even considered the poorest of the poor. In order to reduce the level of extreme poverty in fishing communities.



C. Regional/International Level

IPB University Professor Prof. Hardinsyah was elected President of Asian Nutrition Societies from 2019 to 2023. This institution promotes nutrition improvement, one of the poverty dimensions.



2 ZERO HUNGER



End Hunger, achieve food security and improved nutrition and promote sustainable agriculture

1. Campus Food Waste

IPB University is committed to reducing food waste from the campus population. Members of the university can help reduce those numbers by ordering food mindfully for any event organized on campus. For University catered events, it is important to ensure accurate numbers. If there is a change in numbers, then informing the catering staff of this can help reduce the amount of food waste. The University also has a list of approved charities that collect leftover food from events and meetings.

Since 2019, our university has measured the amount of food waste around the campus by using a method that refers to SNI 19-3964-1994. The procedure are as follows:

- Food waste that has been collected from each station was weighed with digital scales with an accuracy of 1 gram
- Food waste was sorted according to food waste components: rice, vegetables, and dishes
- Each component of food waste was weighed
- The weighted of food waste was recorded on the tally sheet

Food waste in our university is collected by the Directorate of General Affairs and taken to our Waste Station in Cikabayan to be bulked up before being transferred to Galuga Waste Station. Our policy related to the waste management can be read here:

[Food waste management policy](#)



2. Tackling Food Waste in Our Campus

To minimize food waste, IPB University also mandates all units within the campus to manage their waste as well as to measure their food waste. This mandate is stated in the Circular on Waste Management in IPB University. This mandate indicates IPB University's commitment to reduce food waste in every possible way. Based on our Rector's Regulation (Peraturan Rektor) No. 29/IT3/OT/2020, the university aims to do this by applying the "Reduce, Re-use, and Recycle waste hierarchy". IPB University also operates a 'zero to landfill' policy for general waste, food waste and bulky waste.

3. Students and Staff Hunger Interventions

IPB provides intervention to prevent hunger among students and staff through the [food bank for students and staff](#) since 2022. This intervention is implemented under the coordination of the Directorate of Student Affairs and Career Development. Food packs are available for students and staff. There are varieties of food that are provided, among others, bread, biscuits, cookies, noodles, etc. The amount of food packs distributed is 75 pax per day. The Directorate of Student Affairs and Career Development continues to raise donations from the campus population to provide more food and increase the number of foodbank beneficiaries. IPB also has students and staff hunger intervention programs conducted by [Al-Hurriyyah Mosque's](#) coordinator. Some programs are run by the Al-Hurriyyah coordinator, namely Jumat Berkah (free lunch every Friday), [free food for suhoor](#) and breaking fast, and free Qurbani meat to students, staff, and the community around campus.

4. Sustainable Food Choices on Campus

IPB provides sustainable, healthy and affordable food choices for all on campus. Several student's favorite canteens are Sapta Fateta, Yellow corner, Blue Corner, and Purple Corner. Sapta Fateta has a uniqueness because there is free refilled water for the public. So, most students bring their own bottles instead of buying the packaging mineral water.



All canteens at IPB University provide sustainable, healthy, and affordable food choices. Sustainable, Healthy, and Affordable Food Choices on Campus IPB also produces fresh and organic vegetables that are marketed at an affordable price for the campus population.

5. Healthy and Affordable Food Choices

Almost all food provided in IPB canteen, sold with amicable and affordable price. Healthy food can be seen from menu options that balance nutrition and food safety. **Sustainable, Healthy, and Affordable Food Choices on Campus.** To ensure food safety, IPB has conducted training for canteen tenants and IPB kitchen management, doing sampling and analysis to prove their good practices. IPB has monitored food prices in all food outlets and regulated prices that should be affordable to students.

IPB Canteen and Cafeteria



6. Access to Food Security Knowledge

IPB University is strongly committed to improving access to food security and sustainable agriculture and aquaculture knowledge, skills, or technology for local farmers and food producers. There are several platforms and programs for local farmers and food producers, namely: DigiTani (Digital Agricultural Extension), Sekolah Peternakan Rakyat (School of Community's Livestock), One Village One CEO, Klinik Tanaman, and training for ornamental fish producers.

A. DigiTani (Digital Agricultural Extension)

IPB launched a platform to educate farmers, DigiTani, to provide access to knowledge to farmers. Farmers can access various content provided in the IPB DigiTani application and communicate online with experts. IPB keeps improving this application to adapt to the era and the needs of farmers nowadays. IPB has the vision to be the center of information and innovation in sustainable agriculture. DigiTani is an application/online extension service IPB University provides for farmers and food producers. It involves many experts willing to share their knowledge on sustainable agriculture. The application provides information and innovations in sustainable agriculture and facilitates farmers to communicate online with experts. IPB DigiTani adapts to the era and the needs of farmers nowadays.



Research in Number

 500	Scholarly Output in 2020-2022
 95	FWCI in 2020-2022
 1633	citation count in 2020-2022
10.35%	of all Indonesian citation count
9.42%	of all Indonesian Scholarly output

B. Sekolah Peternakan Rakyat (School of Community's Livestock)

Currently, IPB University has established collaboration with 26 regencies and 26 provinces in Indonesia to develop SPR and community service activities.



C. IPB Establishes Petani Millennial by CEO School (One Village One CEO Program)

IPB accompanied young farmers at Desa Sejahtera to develop their village. This program relates to IPB's vision for 2019–2045, "to be a technosocial-entrepreneurial university". CEO School is focused on developing millennials' motivation to build a business unit in the village to be a bigger unit or to be a Badan Usaha Milik Desa (BUMDes)'s companion.



D. Plant Clinic

Like humans and animals, plants also need clinics to treat illness/health problems. The Plant Clinic, under the auspices of the Department of Plant Protection, Faculty of Agriculture, IPB, was established as an agricultural, institutional innovation, which is a contribution from IPB as a complaint center to address plant health problems. Handled by six experts on the disease, pests, and Integrated Pest Management as core staff and fully supported by students and plant protection experts at the Faculty of Agriculture, IPB. Equipped with its operational laboratory and mobile car, as well as 10 research laboratories of the Department of Plant Protection and other laboratories at IPB. Since its establishment, several achievements deserve to be shared by the Plant Clinic of IPB with the community and the Indonesian agricultural world. Up to now, the clinic has handled 2240 cases of plant health problems from various professional circles from all over Indonesia for the last 10 years, Disseminate technology through action research to tackle major pests/diseases in rice (6 districts in Java), chili, shallots, potatoes, cabbage, oranges, and sengan, and Contribute to providing solutions to pest/disease explosions that are a national problem. For example, in response to the 2010–2011 brown planthopper explosion that threatened rice production, a National Workshop on Brown Planthopper Control was conducted, and the Implementation of a Broad Scale Brown Planthopper Control Model (supported by I-MHERE B2.C.IPB).



E. Training for Farmers

- Under the Dosen Mengabdi Program, a team of lecturers trains farmers to improve their skills in raising cows' chances of fertile mating. This program is conducted in Kecamatan Nanggung, Bogor.



- Lecturer of IPB University trains farmers in Desa Sidorejo, Kecamatan Sukosewu, Kabupaten Bojonegoro about banana cultivation and to implement innovation of banana biomass products.
- IPB University students under The KKN-T Program assist local community in Kelurahan Kedung Badak, Kecamatan Tanah Sareal to do horticulture cultivation and composting.
- IPB University accompanied coffee farmers in Kecamatan Cikajang, Kabupaten Garut to export their products to 8 countries.

7. Farmer's Day

IPB provides events for local farmers and food producers to connect and transfer knowledge. One of example is Tani Center IPB celebrates Farmer's Day with the local farmers in Kabupaten Klaten, Jawa Tengah. This event is to strengthen the relationship between IPB University and farmers.

8. University Access to Local and Food Producers

IPB provides access, including facilities and consultation on technology and business management, for tenants of various types of businesses, including farmers and food producers. The facilities provided by IPB include production rooms, offices, production facilities at the Pilot Plant (evaporator, extractor, spray dryer, vacuum frying, freeze drying, packaging for retail products, etc.), product development, and laboratory services (proximate analysis and pre-clinical trials). Science Techno Park (STP) IPB plays a role in facilitating the development of technology and innovation to produce startups and strengthening the industrial sector by providing science and technology, physical infrastructure, and management support. The focus areas developed by STP IPB are tropical agriculture, food, bioscience, and marine.

More information about Science Techno Park IPB can be read here: [STP IPB](#)



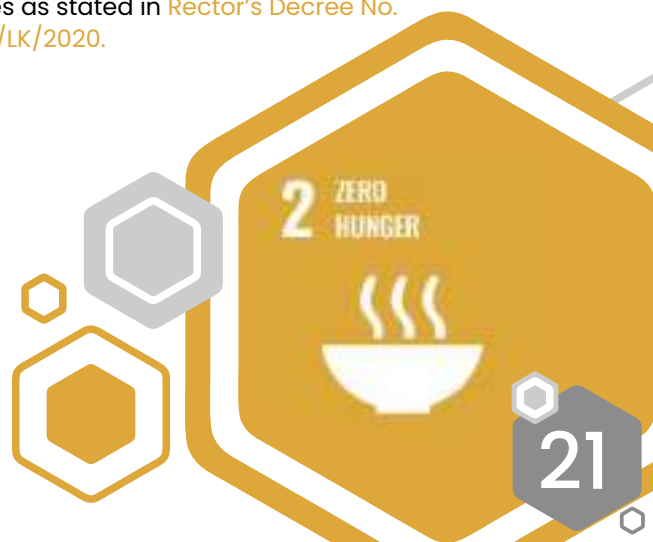
9. Sustainable Food Purchases

IPB University has several market channels to market its products, and farmers, food producers, and home industries are assisted by the university. IPB prioritizes purchasing products from locals to fulfill the need of the university as well as to expand the market. To maintain the collaboration with these smallholders and SMEs, IPB keeps assisting them through technical assistance and knowledge transfer.

IPB University always uses local products for the canteen and meeting programs at the campus. Agricultural products marketed by the Agribusiness and Technology Park (ATP) come from products of local farmers as well as ATP self-produce. More than 30 local farmers around Bogor and Cianjur collaborated with ATP IPB to produce organic foods with high quality. ATP IPB prioritizes purchasing local farmers' products as part of IPB's commitment to community engagement and development. Collaborating with farmers enables ATP IPB to guarantee the availability and quality of food products for sustainable marketing. Up until 2022, the ATP IPB Program has met the needs of 54 supermarkets in Jabodetabek with products from local farmers.

10. Ethical Sources of Food and Suppliers

IPB University supports the ethical sourcing of food and supplies. This commitment is seen in policies established and enacted for use within the university ground, the immediate surrounding area, and the national scale. In 2020, IPB issued a policy highlighted the ethical sourcing of food and supplies as stated in Rector's Decree No. 133/IT3/LK/2020.



3 GOOD HEALTH AND WELL-BEING



To ensure healthy lives and promote well-being for all at all ages

1. Collaboration and Health Services

IPB University actively collaborates with various national and international institutions in conducting various research activities in the field of health and biomedical sciences to improve well-being outcomes, such as in the development of health products and biotechnologies, including vaccines, stem cell technologies, nutraceuticals, herbal medicine, and bioassays.

A. Local Collaboration

- At the local level, in response to the COVID-19 pandemic, IPB University held **free COVID-19 vaccination** for students, employees and their families, and also open to the local community in Bogor. This program was held every Wednesday at IPB Clinic.
- IPB annually conducts free medical check-up for employees collaborating with various hospitals and implementers, such as **UMMI Hospital**. Recently Agrianita IPB held a free MCU during the 2023 Kartini Festival.
- IPB ensures that all its' community members have active health insurance minimally covered by social security agency (BPJS Kesehatan) and additional secondary health insurance from private insurance companies for employees



B. National Collaboration

- IPB University collaborated with PT Bundamedik Tbk to develop health services for human and animals, also to **develop the 'one health' concept**.
- IPB University collaborated with Wings Group to **build a microbiology laboratory** to offer medical devices testing and certification.
- IPB University collaborated with Hamzanwadi University in Lombok Timur to **enhancing stunting interventions**



C. International Collaboration

IPB University and United States Forest Service (USFS) held a **workshop about One Health research** to integrate health services for human, animals, and the environment.



2. Health Outreach Programmes

IPB University conducted various outreach programs targeted to improve and promote the health and well-being of local communities through its Student Field Activities (Students Volunteering or KKN) and Lecturers' Community Empowerment programs. This activity was aimed at promoting the health, hygiene, and nutrition of the community.

A. List of Student Community Service (KKNT) related to health and well-being are as follows:

- IPB University students provided **mentoring and coaching to primary school students** in SDN Cidap, Bandung about clean and healthy lifestyle to prevent diseases.



- IPB Student Community Service (KKNT) in Desa Sukamanis, Sukabumi created **booklets for Posyandu** cadres that provide information on a balanced diet and nutrition for children.
- IPB University students held **workshops to young children about the risk of open defecation for health and environment**. This program also educates mothers and children the importance of consuming vegetables.



- IPB University KKNT Students held movement **"Ayo Makan Ikan"** ("Let's Eat Fish") for primary school students in SD Bustanul Ulum, Desa Batu Busuk, Kelurahan Lambung Bukit, Kecamatan Pauh, Kota Padang.

B. List of Lecturers' Community Empowerment programs related to health are as follows:

- **Parenting seminar about Healthy and nutritious food for children** in Komunitas Ananda. This program also aims to improve women empowerment in villages near IPB.
- **IPB Peduli Stunting (IPB Stunting Care) program aims to increase families' capacity** to nurture and care about children's health and wellbeing. This program contains 8 meetings with facilitators and is integrated with the IPB lecturers' community service program.
- **Campaign to promote clean and healthy lifestyle** and stop the spread of scabies among students in Pondok Pesantren Putra Thoyyibah Al-Islami Bogor.



- IPB University lecturers educate and train women about waste management in KWT Sauyunan, Kelurahan Babakan, Sukabumi.



- IPB University collaborates with PT Ajinomoto to conduct **School Lunch Program (SLP)** in two Islamic Boarding School in Bogor and expands to several schools in West Java to decrease anemia and improve nutrition status among adolescent.
- IPB in collaboration with PT Sarihusada Generasi Mahardika developed nutrition education tools for school children on balanced diet.

3. Shared Sport Facilities

IPB is committed to improving the mental and physical health and well-being of its students, faculty members, and the public in general. IPB provides outdoor and indoor sports facilities. Venues are open for reservation to the public and only limited facilities need to pay an extra fee.

Lists of sports facilities in IPB are as follows:

- Gelanggang Olahraga / Soccer field (outdoor)
- Gymnasium Indoor
- Agri Fitness
- Archery Site Facility
- Basketball Field, Badminton, Tennis, and Futsal Facilities
- Equestrian Park IPB University



Research in Number

392

Scholarly Output
in 2020-2022

83

FWCI
in 2020-2022

1405

citation count
in 2020-2022

2.13%

of all Indonesian
Scholarly output

1.61%

of all Indonesian
Citation count

4. Sexual and Reproductive Health Care Services for Students

IPB University provides students access to sexual and reproductive healthcare services through free health services at IPB Polyclinic. IPB Polyclinic serves lecturers, academic staffs, as well as their main family members, and students with free health care services and basic medical treatment, which includes information and services related to sexual and reproductive health care. The IPB Polyclinic has been appointed as a primary/basic health care provider and therefore allows for free-of-charge service for the public under the national social security agency for healthcare. More information:

Polyclinic IPB



In addition, to reduce sexual and reproductive health problems, IPB actively conducts educational seminars regarding this topic, such as the [Premarital School by Forsia-IPB](#) that was held in 2022 from October 15 until November 6, aimed to provide education regarding reproductive health for IPB University students and other universities, as well as the general public. IPB University also actively publishes studies related to sexual and reproductive health care for students. In 2022, IPB published a [policy brief](#) which offers alternative solutions to the issue of premarital sex among teenagers.

IPB University provides services for reporting and preventing sexual violence for students through [@hopehelps_ipb](#). Also, IPB established a unit for handling and preventing sexual violence ([Satgas Pencegahan & Penanganan Kekerasan Seksual \(PPKS\)](#)) through Rector's Decree No. 240/2022.

HOTLINE : HOPEHELPS IPB

advokasi.hopehelps.ipb@gmail.com
0814-1427-2092

5. Mental Health Support

IPB University is committed to provide mental health support to IPB students, lecturers, and academic staff. IPB provides a counselling program free of charge to all students, and each Department is equipped with a team of counsellors as appointed by the [Rector's Decree No.6/2022](#). IPB University also provides several mental health mentoring for students, which contains mental health mapping, self-support enhancement, community support enhancement, and institutional and facilities support. Also, IPB University recognizes the importance of students' peer support, and therefore various events are hosted to provide students with the ability to empathize with and support other students in need.

The following are examples of programs and events held by the counsellors in various departments pertaining to mental health support:

- [Webinar mental health BEM KM IPB](#) with the topic of "How To Be Mentally Healthy Without Self Diagnose".
- [Webinar mental health Fateta IPB](#) with the topic of "Surviving College 101: Bring Your Own Value to Society with Social Skill and Emotional Intelligence".
- [Webinar mental health FEM IPB](#): The Secret to Creating a Peaceful Life in Your Twenties.
- [Webinar mental health BEM Fapet IPB](#): "Toxic Productivity".
- [Webinar mental health FPIK IPB](#): Dive Into Loving Yourself : Fight Your Insecurity.
- [Webinar mental health SV IPB](#): Self Acceptance: Self Love..



In 2022, for 23 students. Students were trained with basic skills such as intellectual competence (logical thinking), and creative agility (problem-solving – resource identification – solution), to provide empathy and supportive response.



6. Smoke-Free Policy

IPB University has committed to provide a smoke-free friendly environment for all as stated through... [Circular Letter Refers to healthy and sustainable lifestyle](#) in article 5 (page 4) specifies smoking prohibition in the campus area. Article 5, point c, clearly states that students and staff are prohibited from smoking or trading cigarettes on the campus.

In 2020, IPB University issued the [Rector's Decree No. 133/IT3/LK/2020](#) concerning its Commitment to Achieving SDGs. In the document (point O, page 2), it was mentioned that smoking is prohibited in the campus area (page 2, point O).



4 QUALITY EDUCATION



To ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

1. The 2020 IPB Curriculum

IPB continues innovating the education and curriculum by developing the K-2020 IPB Curriculum to reorient the learning process by integrating hard and soft skills for tomorrow. Seven essential elements in K-2020 are (i) Learning personalization; (ii) Flexibility learning; (iii) 21st-century skill sets; (iv) College and career readiness; (v) Digital citizenship, (vi) Technology skills (remote working and remote learning); and (vii) Anywhere and anytime learning. In general, the goal of K-2020 is to produce a powerful and agile learner. K-2020 is IPB's commitment to providing quality education for all by developing a curriculum according to the industrial era 4.0 and supporting Sustainable Development Goals number 4. K-2020 provides space for learners to explore, analyze and engage with their environment as well as the world around them, and in the process, strengthen the knowledge and skills that will enable them to understand and deal with complex issues that affect the environment and society now and in the future.

K-2020 has been regulated by IPB, which covers five main strategies: (1) Curriculum reorientation by integrating soft skills and hard skills, (2) Changing and harmonizing the learning process, such as the blended learning system, MOOCs (Massive Open Online Courses), and ODL (Online Distance Learning), (3) Updating the proficiency and skills of lecturers, such as preparing virtual teaching materials or e-learning, developing Heutagogy (self-determined learning), and developing learning outcomes, (4) Developing science and professions, such as Agrologistics or Agroindustry, data science, cyberpsychology, cyber sociology, and sustainability, and (5) Restructuring the curriculum for the Vocational School of IPB 4.0

2. Lifelong Learning Measures

IPB University is committed to providing free access to those not studying at the university's educational resources, including free courses leading to certificates, library access, journals, and public lectures through youtube and other links for various knowledge products under the IPB repository.

A. IPB- Indonesia Cyber Education (ICE) Institute

IPB joined the Indonesia Cyber Education Institute or what can be called the ICE Institute, which is a digital marketplace for quality online courses in Indonesia. The main objective of the ICE Institute is to facilitate the provision of quality education while ensuring the quality of online learning and distance education services. Carrying the tagline "Inspiring Innovation with Integrity", IPB encourages the creation of various innovations and discoveries that benefit the community. More information about the cooperation between IPB and ICE can be read here:

IPB – Indonesia Cyber Education Institute (ICE)



B. Lectures in Youtube Channel

In addition, many courses at IPB University can be accessed freely through the Youtube channel IPB.

- E-lecture Video Channel of Communication Department
- E-lecture Video: Organic Chemistry
- E-lecture Video: Ecological Modernization

C. Open Access Library & Journals

IPB University provides a library to support education, research, and community service implementation. In carrying out this function, the IPB Library collects, processes, and disseminates information on science and technology as well as the scientific works of IPB staff, theses, and dissertations. The library manages all the resources in the printed and electronic library materials. Non-IPB also becomes an extraordinary member by registering through the website. IPB University has over 80 journals managed by its departments and faculties, four indexed by the reputable database Scopus. All these journals are open-access. IPB also provides free access to various knowledge products under the IPB repository.

IPB e-library member registration

IPB University Library

Scientific Journal IPB

IPB Repository

3. Public Events

IPB University hosted many events, such as seminars/webinars, public lectures, and conferences. This program varies from ad-hoc or on programmed bases. Many of those events were attended by many participants not only from IPB university but also from other universities, governments, institutions, NGOs, or communities.

Some events are programmed, such as Strategic Talks organized by the Directorate of Strategic Studies and Academic Reputation that discuss public policy on agriculture, marine, and biosciences. In addition, there are also talkshows and podcasts series that discuss updated research topics and transdisciplinary sciences.

- **Strategic Talks:** More than 1500 people participated in this program in 2022. More information about strategic talks can be read here:

Strategic Talks

- **Green Culture Podcast:** Held by The Center for Transdisciplinary and Sustainability Sciences (CTSS) IPB university, this podcasts series is themed "Co-Evolve" and encourage people to live in harmony with nature and its complexity. More info about Green Culture Podcast:

Green Culture Podcast

- **IPB Talk/Podcast:** Currently, more than 100 talkshows and podcasts have been aired by IPB University through its Youtube Channel "IPB TV". These link below are the playlists of IPB Talks and Podcast:

IPB Talks

IPB Podcast

- **Faculties/departments/centers** also conduct ad-hoc educational events through webinars or guest lectures. For example, The Center for Coastal and Environmental Resources Studies (PKSPL), Institute for Research and Community Service (LPPM) IPB University held a **Summer Course On Tropical Sea Farming And Integrated Coastal Management**.

4. Vocational Training Events

IPB Training organizes training or executive education programs, which are offered to the public, including practitioners, researchers, and government officials, on a program basis. In addition, faculties or research centers also organize ad-hoc training programs for the public.

- IPB Training conducts several events and professional training to develop HR skills based on applied life sciences, business, economics, statistics, and so on. IPB Training delivers value through regular training service and particular training according to customer needs (in-house training). For more information:

IPB Training

- IPB University also organizes training or events that are open to the general public through the research center, such as PKSPL (Center for the Study of Coastal and Ocean Resources) IPB University held **Summer Course on Tropical Sea Farming and Integrated Coastal Management**.
- Faculty of Fisheries and Marine Sciences IPB University collaborated with PT Suri Tani Pemuka held **aquaculture training** for marketing and technical service personnel. This training was held for 6 days with 59 participants.
- Department of Nutrition and Feed Technology IPB University with The Ministry of State Secretariat held **sorghum cultivation training**. This training was participated in by researchers from 11 countries.



- Faculty of Forestry and Environment (Fahutan) IPB held **The Fahutan Training Series (FTS)** about "Implementing Forest Survival Techniques".

5. Education Outreach Activities Beyond Campus

IPB University organizes a community services program involving students every year in the "Kuliah Kerja Nyata Tematik (KKNT)" (Thematic community learning services) program. In 2022, IPB sent 3531 students across Indonesia to Join KKNT 2022. Students participated in community services for 40 days in 196 Districts. The Institute for Research and Community Service (LPPM) IPB University held a General Thematic Field Work Lecture (KKNT) at IPB University 2022 to provide the skill and knowledge for all participating students.

Several KKNT programs are related to educational programs for the community, among others:

IPB University's students held **mentoring program for Pokdarwis Desa Karang Sari, Rembang** about social media management to boost the promotion of the tourist village's.



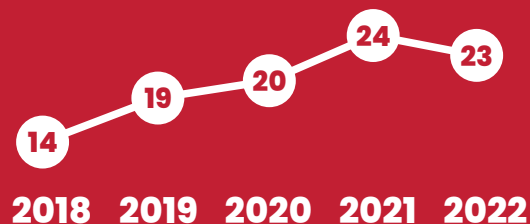
IPB University's students **educate young children about nutritional food**.



IPB University's students **trained local residents in Desa Ratamba, Kabupaten Banjarnegara** to make liquid organic fertilizer from sheep feces.



100 Summer Course (2018–2022)



6. Educational Outreach Program by Student Union

One of the educational outreach program from IPB University is IPB Mengajar (IPB Teaching). This program is a voluntary student-run schemes conducted by students. In 2022, IPB Mengajar held The "IM Travelling to Giving and Sharing" (ITGS) program. This program is carried out by visiting several schools to "give and share" knowledge and lessons to students in a modern, interesting, and creative way. This program is focused on "give and share" knowledge about character building, nationalism education, inspiration class, and literacy optimization. More information about IPB Mengajar can be read here:

[IPB Mengajar](#) [ITGS Program](#)



Research in Number

35 Scholarly Output in 2020–2022

66 FWCI in 2020–2022

106 citation count in 2020–2022

0.44% of all Indonesian Scholarly output

0.59% of all Indonesian Citation count

7. Educational Outreach Programs by Faculties and Research Centers

Faculties and research centers conduct several ad-hoc educational outreach activities that facilitate faculty members and researchers to share knowledge and increase the literacy of communities on many aspects of life.

The Institute for Research and Community Service (LPPM) IPB University held a **mentoring program for (targeted) 6000 cocoa farmers in Sulawesi Selatan**. This mentoring program focused on farmers digital technology proficiency and farmers financial literacy.



SEAFast (South-East Asia Food and Agricultural Science and Technology Center) IPB University provided training and consultation for the public to improve food and nutrition quality and safety through knowledge and technology. These trainings and consultations are collaborated with national and international partners.

SEAFast Training and Consultation



Center for Tropical Animal Studies (CENTRAS) IPB University held a training about "Formulation, Production, and Rapid Test of Ruminant Feed Quality".

CENTRAS Training

8. Lifelong Learning Access Policy

IPB University has policies that guarantee open access to education without discrimination on ethnicity, religion, disability, and gender, as stated in the **Rector Decree no 133/IT3/LK/2020, page 2, point c**. This policy is a derivative of the **Academic Senate Regulations number 36/IT3.SA/P/2020** concerning Norms and Policy of IPB University in achieving SDGs. This regulation highlights the commitment of the university to increase access to education for the communities (article 6, point 4a page 7).

The previous regulations regarding this matter were **Academic Senate Regulation No. 10/SA-IPB/P/2016** concerning Academic Norms of IPB University. Article 9(point 5), page 13, states that IPB provides open and fair opportunities for all people of the nation from various regions to become members of the academic community and educational staff at IPB.

4 QUALITY EDUCATION



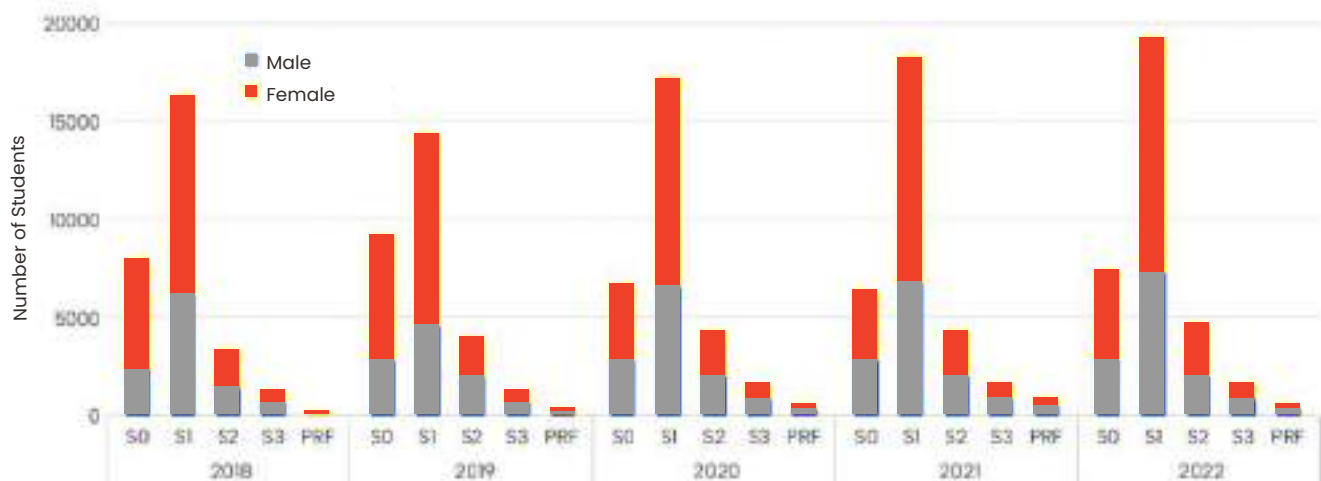
5 GENDER EQUALITY



Achieve gender equality and empower all women and girl

1. Tracking Access Measures

IPB University has systematically measured/traced the students, especially female students' progress from the application rate and entry phase up to the completion of the study through the online application system "Admisi IPB". In point A, IPB declares this commitment through [Circular Letter No. 24799/IT3/KP/2021](#) about tracking and monitoring disaggregated data on social inclusion groups, including female. In addition to the online application system, the Chancellor of IPB, the Vice Chancellor, and all Deans of Faculties/Schools periodically evaluate the participation rate of IPB University. IPB has affirmation support for departments with a small number of female applicants, such as Civil and Environmental Engineering Department. In addition, we affirm departments with minimal male applicants, such as nutrition science as well as family and consumer sciences. IPB University encourages female to have equal opportunities in applying to all degree programs offered by the university. Female students can freely choose the study program they like to learn. Since 2018, the proportion of female students is more than half the student body.



32.786 > students in 2022 (58% Female)

2. Women Access Schemes

IPB University provides a women's access scheme, including mentoring, scholarship, and other provisions. We also Publish the data into gender and social inclusion IPB profile that can be read here:.

Gender Profile, Diversity and Social Inclusion Report

A. Women Mentoring Schemes through Girls Leadership Camp

IPB established the Girls Leadership Camp (Asrama Kepemimpinan Putri/AKP), a talent pool to develop leadership skills and create future female leaders. This program is part of Leadership Booth Camp, which includes male and female participants with a relatively balanced proportion within both groups. AKP is focused on supporting women to grow, learn and thrive in today's challenges. This program is also intended to respond to several important issues arised, such as lack of leadership, lack of integrity, radicalism, and the decline in the interest of the young generation in agriculture, as well as gender imbalance in leadership. This program has been running for two years, and in 2021 various activities were done online and offline. Participants had an opportunity to hear from senior women at the university and other professionals, participate in skill-building workshops and network with professionals from across the fields. There are three major programs in AKP, namely: (i) the soft skill development program through agri-preneur, agri-leader, and agri-technopreneur program, (ii) the coaching program through community empowerment, spiritual development, leadership training, and anti-radicalism education, and (iii) talent mapping development, public speaking training, and The 7 Habits training.



C. Other Provision

IPB University established Center For Gender And Child Studies with 4 goals: (1) producing high quality research in gender and development, women's empowerment, and child protection; (2) developing capacity, advocacy, and multi-stakeholder collaboration to achieve gender equality and justice, women's empowerment, and child protection; (3) promoting and integrating gender equality and equity perspectives; and (4) setting up regeneration and strengthening institutions and networks of women's study centers. To learn more about Center for Gender and Child Studies, please check the link below:

[Women Talk about Agriculture Diplomation](#)

Research in Number

 **10** Scholarly Output in 2020-2022

 **20** FWCI in 2020-2022

 **9** citation count in 2020-2022

0.80% of all Indonesian Scholarly output

0.30% of all Indonesian Citation count

3. Policy of Non-Discrimination Against Women

IPB University has norms and academic policy on anti-discrimination against women through **Circular Letter no. 24799/ITS/KP/2021** point b-d. As stated in the Circular Letter, IPB University is committed to encouraging women's participation and giving access affirmation for women through mentoring and scholarship programs. Also to enforce the policy, IPB University has IPB Help Center to protect and facilitate those who report discrimination.



4. Maternity and Paternity Policies

Every female staff is given the right to take maternity leave for 2 months under **Rector Regulation No. 7 of 2021** concerning the Management of IPB Employees states The procedure to propose a maternity leave is described here:

SOP for leave permit



5. Childcare Facilities for Staff and Students

IPB University has two accessible childcare facilities for students which allow recent mothers to attend university courses, namely (1) Agriananda IPB organizes Early Childhood Education with programs are: Kindergarten Plus, Play Group, and Daycare; and (2) School of Character (Lab school Pendidikan Karakter IPB) for Early Childhood (4-6 years old) children education, established based on IPB Rector Decree Number 168/13 / LL / 2011.

A. IPB Childcare Facilities

Agriananda Childcare and Kindergarten are located in IPB Darmaga Campus, Jl. Palem No.4, Kecamatan Darmaga, Jawa Barat 16680, Indonesia. More information about Agriananda Childcare and Kindergarten:

Agriananda Childcare and Kindergarten



B. Labschool Pendidikan Karakter (Labschool for Character Education) IPB



Labschool Pendidikan Karakter IPB is located in IPB Baranangsiang campus, Jl. Cikabuyutan No.10, RT.04/RW.05, Tegallaga, Kecamatan Bogor Tengah, Kota Bogor, Jawa Barat 16129

More information about Lab school Pendidikan Karakter IPB:

Labschool for Character Education



C. IPB Lactation Room

Since 2018, all faculties at IPB University have had lactation rooms. The policy of providing breastfeeding space follows the Rector's work program for the 2017-2023 period. More information: [Campus Lactation Room](#)



6 CLEAN WATER AND SANITATION



Achieve universal and equitable access to safe and affordable drinking water for all



1. Water Consumption Tracking

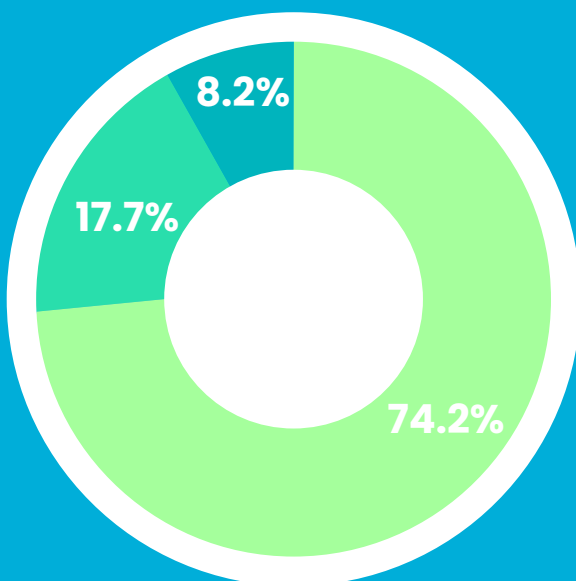
IPB University has 2 stations of Clean Water Treatment Process (WTP) at Dramaga Campus. 90% The total water consumed at IPB University during 2021 was 1,488,297 m³ (a 69% decrease compared to 2019 due to the pandemic). For more information:

IPB Water Processing System and Production

2. Waste Water Treatment

Waste water treatments in IPB are located in several locations in the campus area. In addition, the wastewater treatment plants are directed at two locations, namely on the Northeast side (WWTP I) and the West side (WWTP II) of the IPB campus. We also provide Standard Operation Procedures (SOP) about wastewater management and clean water supply service that are regulated and supervised by the Directorate of General Affairs IPB University.

Presentage of Water Sourches in IPB University



Water Treatment Process (WTP)

IPB University has 6 WTP stations which processing water needs in university

Lake

IPB University has an artificial lake that used for recycling needs water at the university

Lokal Water Company

Small amount of water consumption on campus supplied through a local water company

Total consumption is 1,488,297 m³

IPB University applies the following: disposing of waste in a concrete septic tank, using Grease Trap in the canteen used water management, and managing toxic and hazardous laboratory waste through collaboration with a third party (Prasadha Pamunah Limbah Industri (PPLi). IPB University has a clean water treatment unit with natural water sources from rivers around campus with very high turbidity levels. In 2022, IPB revitalized 1,6 hectare lake and built 3,8 hectare new artificial lake. Moreover, IPB University provides water system pollution solutions by building used water treatment installations (IPAL). To learn more about IPB Waste Water Treatment, please visit these link below:

[Waster Water Management SOP](#)

[Clean Water Supply](#)

[Waste Water Treatment](#)

[Installation of Waste Water Treatment at IPB](#)

3. Free Drinking Water Provided

IPB University provides free drinking water facilities through drinking water fountains available in almost every faculty. This drinking water is freely available for all lecturers, students, and visitors by placing fountain facilities in some facilities. The drinking water fountains can be found in most faculties. The drinking water fountain is also available in other facilities often used by students, namely the Common Class Room Building and Al-Huriah Mosque. IPB designed a program called The Waqf for Water Station, a charity program. This program raised Waqf donations from the campus population for installing more water stations.

The construction of a water station can increase access to healthy and accessible drinking water for all academics (students, lecturers, and staff). The existence of this water station can also reduce plastic waste left over from bottled drinking water. The addition of the number of water stations will further expand access to healthy and accessible drinking water. The use of refillable drinking water bottles is expected to become a habit for the entire academic community of IPB. Thus, it can reduce the amount of plastic waste from bottled drinking water. For more information:

[Wakaf Water Station](#)



4. Water-Conscious Building Standards

Landscape and infrastructure are two main essential aspects that play a significant role in IPB University in achieving environmental, social-behavioral, or aesthetic outcomes. In 2019, the rector mandated that all new construction and major renovations on campus achieve a green ship certification. The leader's commitment creates policies concerning the arrangement, utilization, and control of land and buildings. Several buildings were assessed for their suitability with the green building concept. The assessment results for the land use category met 11 points out of 16 points (68.75%), the water conservation category met 5 points out of 20 points (25%), and the building environmental management category met 4 points out of 13 points (30.77%). More information about green building assessment in IPB can be read here:

[Study of Green Building Concept Assessment](#)

Green building standards guide IPB University in continuing to discover the role that construction, design, and operations play in our sustainable campus future. Four things are priorities of IPB University: The existing building does not meet the green building concept standard, designing a new building with a green building concept, revitalizing drainage, and normalizing the campus ring road inspection. IPB University is also committed to applying building standards to minimize water use, such as automatic water traps

- Automatic Water Trap
- Green Park
- Green Building





of clean water need in Dramaga Campus of IPB University was produced through a treatment process

(IPB Annual Report 2022)

5. Water-Conscious Planting

In order to minimize water use, IPB University plants various green plants that do not need watering in the rainy season and only need occasional watering in dry season. In addition, many varieties of rare plants can be found in IPB University. Green plants (trees) have been planted in most of the IPB campus to beautify the campus landscape. Trees are planted along roads, parks, conservation gardens, and forest arboretums. The trees do not require watering during the dry season so they are drought-tolerant plants. Meanwhile, the IPB conservation garden was dominated by Samanea saman species. The IPB conservation garden applies a polyculture cropping pattern.

IPB Campus Forest Park

Wood Plant at IPB Arboretum Landscape



6. Water Reuse

IPB University has water reuse policy to maximize water reuse in IPB University, regulated in IPB [Rector's Decree No. 133/IT3/LK/2020](#) concerning IPB's commitment to SDGs Achievement. IPB University also committed to use water optimally based on the efficiency and conservation principles as stated in [Circular Letter No. 2474/IT3/HM/M/B/2021](#).

The IPB Senate's academic text mandates water reuse for the park's maintenance (Water Sensitive Management, page 108, Evidence 2). Biodiversity Park and Inspiration Lake is a water conservation program implemented by IPB University within the campus area. This program aims to sustainably manage freshwater resources and prevent water pollution in nearby lakes, rivers, and local watersheds in the IPB University environment.

Green Campus IPB Academic Paper

The directorate of general affairs measures and monitors water reuse at IPB University. Water use in IPB is sourced from 3 main components, namely the water treatment process, lakes, and regional drinking water companies. 90% water use in IPB is sourced from water recycling through water treatment (IPB Annual Report 2022).

Research in Number

203 Scholarly Output in 2020-2022

101 FWCI in 2020-2022

467 citation count in 2020-2022

4.61% of all Indonesian Scholarly output

2.47% of all Indonesian Citation count

7. Off-Campus Water Conservation Support

IPB University supports water conservation off-campus through the following programs:

A. Fauna Conservation Union (UKF)

Fauna Conservation Union (UKF) IPB University held a [Social Conservation Program \(SCP\)](#) in Sukaharja Village, Bogor Regency. This program aimed to localize conservation to the community with activities such as conservation education, water quality testing, and social service in Cibeungang Waterfall.





B. Environment Research Center (PPLH)

Environment Research Center (PPLH) IPB University monitored a number of reservoirs in DKI Jakarta that are prioritized for management. As a result of this monitoring, the team was able to identify the types of pollutant sources that might enter the water bodies, visually observe the condition of the water bodies, and pinpoint the areas where waste is generated that could potentially end up polluting the aquatic environment.



B. UKF River Engage 2022

Fauna Conservation Union (UKF) IPB University participated in The River Engage program in Bali. This program is a collaboration of 3 researchers from Indonesia, US, and Uganda that aim to raise people's awareness about the importance of preserving the river with scientific method. In this program, the participants learned macro plastic waste survey method and herpetofauna survey method. More information:

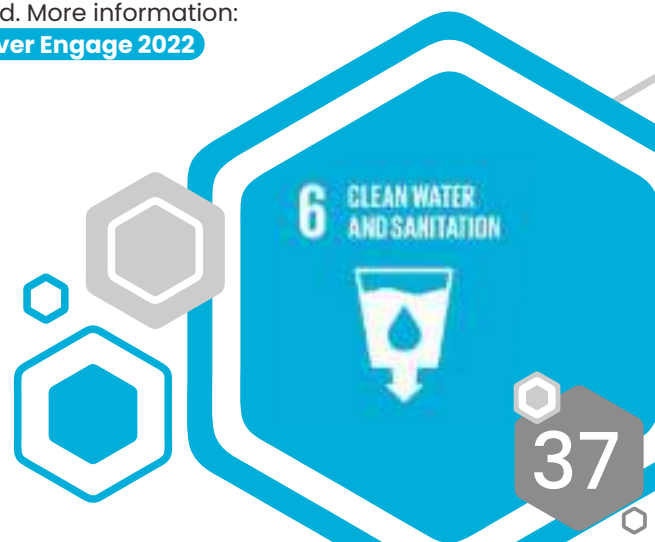
UKF River Engage 2022

8. Cooperation on Water Security

A. DKI Jakarta watershed monitoring

Environment Research Center (PPLH) IPB University with The Environment Services of DKI Jakarta monitored 5 watersheds in DKI Jakarta. The water quality monitoring was carried out for 4 periods in 2022 during 1 rainy season, 2 transition seasons, and 1 dry season. It is hoped that the time series data produced during the monitoring process will serve as the basis for analysis, evaluation, and the preparation of technical recommendations in the formulation of river management policies in DKI Jakarta.

DKI Jakarta watershed monitoring



7 AFFORDABLE AND CLEAN ENERGY



Ensure access to affordable, reliable, sustainable and modern energy for all.

The concept of energy saving in IPB University follows the Government Regulation No. 16 of 2021 concerning Regulations for Implementing Law No. 28 of 2002 concerning Buildings. According to Government Regulation No. 16 of 2021 Article 112 Paragraph 1, technical planning in the renovations and constructions of new buildings must include:

- Site management;
- Energy use efficiency;
- Water use efficiency;
- Indoor air quality;
- The use of environmentally friendly materials;
- Waste management; and
- Wastewater management.

IPB's Long-term Development Planning policy emphasizes a sustainable development program called Green Campus Program 2019-2045 which underlines the implementation of Green Campus as a strategic issue (Page 75). The strategy for implementing Green Campus in IPB University is called "Naskah Akademik dan Perencanaan Implementasi Green Campus IPB 2019-2023 (Academic Paper and Planning for IPB Green Campus Implementation 2019-2023)". This Academic paper contains the energy efficiency standard and infrastructure, as well as green building.

Research in Number

 **171** Scholarly Output in 2020-2022

 **112** FWCI in 2020-2022

 **595** citation count in 2020-2022

2.31% of all Indonesian Scholarly output

2.35% of all Indonesian Citation count

1. Energy-Efficient Renovation & Building

IPB University has a policy to ensure that all renovations or constructions of new buildings are in accordance with energy efficiency standards. Constructions of new buildings and building renovations are carried out according to standards and policies that have been set by the government as described below:

Building construction refers to Government Regulation No. 36 of 2005 concerning Regulations for Implementing Law No. 28 of 2002 concerning Buildings. Articles related to energy efficiency standards in the regulation are:

- Article 40 Paragraph 3, regarding the application of the ventilation system that must be carried out by considering the principles of energy saving in buildings;
- Article 41 Paragraph 4, regarding artificial lighting that must be planned based on the required illumination level according to the function of space in the building by considering efficiency, saving energy used, and its placement does not cause glare or reflection effects;
- Article 47 Paragraph 3c, regarding the use of building materials that do not harm the environment, must also consider the principles of energy conservation.
- Article 50 Paragraph 2c, regarding the level of air temperature and humidity in the room that can be done by using air conditioning by considering the principles of energy saving and environmental sustainability.

The criteria of Green Campus IPB is written in IPB Rector's Decree No 104/IT3/LK/2019 concerning Criteria of Green Campus IPB 2019–2023. In the decree, Green Campus IPB must comply with the following criteria: (1) compliance with environmental regulations; (2) water sensitive management; (3) increase and protection of biodiversity and sustainable landscapes; (4) efficiency of energy and climate; (5) green infrastructure and buildings; (6) green transportation; and (7) integrated and sustainable waste management. IPB also follows several policies regarding Energy Saving:

A. Lighting system policy

- The lighting system considers the principles of energy saving in buildings (Law No.28 of 2002 Article 23 Paragraph 1)
- Lighting systems in buildings must be implemented effectively, comfortably, and saving energy (Government Regulation No. 16 of 2021 Article 37 Paragraph 2)

B. Ventilation system policy

- The ventilation system must consider the principles of energy saving in buildings (Law No.28 of 2002 Article 22 Paragraph 1)
- Air conditioning is carried out by considering the principles of energy saving in buildings (Law No.28 of Article 26 Paragraph 4)
- The application of the ventilation system must take into account the principle of energy saving in buildings (Government Regulation No. 16 of 2021 Article 36 Paragraph 5)

2. Upgrade Buildings to Higher Energy Efficiency

In the Academic Paper and Planning for IPB Green Campus Implementation 2019–2023, IPB University has planned to evaluate and upgrade the existing buildings to higher energy efficiency (pages 115–120). To achieve the targets, especially related to green building and energy efficiency, since 2019, IPB University cooperates with Green Building Council Indonesia (GBCI) by signing a Memorandum of Understanding (MoU). By this cooperation, IPB University is ensuring the fulfillment of its Green Campus commitment, particularly to follow energy efficiency standards on its old and new buildings and infrastructures. In addition, IPB and GBCI are also committed to collaborating in education, research, and community service in the context of developing green buildings in Indonesia. In the implementation, Cyber Center Fateta (CCF) building has been upgraded with the new design by considering energy efficiency.

More information can be read here:

Academic Paper and Planning for IPB Green Campus Implementation 2019–2023

IPB University and Green Building Council Indonesia

3. Carbon Reduction and Emission Reduction Process

Since 2019, IPB has conducted a Carbon Footprint (CFP) study to reduce carbon dioxide emissions. The results of this study are used as one of the important considerations in the determination of Carbon Management in the IPB campus environment. More information can be read here:

Carbon Footprint Measurement Report

IPB University continues to implement programs to reduce CO2 emissions through 4 elements of green campus, those are: i) green transportation, ii) green movement, iii) green energy, and iv) dan green building/open space. The guidelines for implementing carbon management and reducing CO2 gas emissions are documented in the IPB towards Green Campus 2022. IPB realizes the importance of green transportation since it will play an essential role in reducing pollutants and carbon emissions in the campus environment. Transportation policies to limit the number of motorized vehicles and use of campus buses & bicycles will encourage the creation of a healthier environment. More information can be read here:

Green Campus Booklet

4. Plan to Reduce Energy Consumption

IPB University is committed to implement the Green Campus concept to be one of the higher education community that improves energy efficiency, conserves resources and improves environmental quality by educating to create a healthy life and a conducive environment in a sustainable manner (Academic Paper and Planning for IPB Green Campus Implementation 2019–2023, page 4).

Energy efficiency and low carbon emission are criteria for the IPB Green Campus. To achieve the targets, IPB University has made a road map to achieve the target in the 2019–2023 period as written in the Green Campus academic manuscript Table 20, page 110. More information:

Green Campus Academic Paper

Problems	Solution	Strategy	Program	Reason
Water leaks	Revitalization water system	- Identifying water system condition - Estimating water system's recovery cost - Preparing the budget	Water system restoration	The water system at IPB is aged, & there are many leaks
Inefficient use of water (bathroom equipment such as sinks, closet, etc)	Replacement of bathroom equipment with equipment that is more water efficient	- Identifying bathroom condition - Estimating the cost - Preparing the budget	- Replacement of bathroom equipment - Water usage efficient campaign	- In line with Green Campus concept - IPB serves as an example of a campus that practices water conservation
There is no water treatment that is ready to drink	To limit the consumption of bottled water, IPB must promptly prepare a water drinkable station	- Selecting the locations of water drinkable stations to be installed - Estimating the cost - Preparing the budget	Water drinkable station installation	- IPB serves as an example of a campus that practices water conservation - IPB has a lot of expert in hydrology and environment studies - Serves as a pilot project
There is no water conservation such as infiltration wells, rain harvesting	IPB will soon construct the infiltration well and rain harvesting system based on the ecology concept	- Selecting the locations of the infiltration well to be constructed - Estimating the cost - Preparing the budget	Construct the infiltration well and rain harvesting system	IPB serves as an example of a campus that practices water conservation
There is no water reuse	IPB tries to reuse the water from the fishing pond, etc	Making examples of water reuse, like reusing the water for wudhu, water from fishing ponds, etc	Pilot project for the development of water reuse	- IPB has a lot of expert and alumni in hydrology studies - This can decrease the water supply from PLN - This can potentially build with donation fund and open the collaboration with national/international agencies

5. Divestment Policy

IPB University has a policy on divesting investments from carbon-intensive energy industries by developing some technologies to reduce coal waste and oil usage. Since 2019, IPB is fully committed to realizing a green campus by using the green campus movements. One of the movements is by using renewable energy such as solar panels, biogas, and electric cars. To learn more about IPB green energy, visit these links below:

[Green Energy at IPB University](#)

[IPB Electric Cars](#)



6. Energy and The Community

IPB promotes a public pledge toward 100% renewable energy. In 2022, IPB held another International Conference of Biomass and Bioenergy (ICBB) with the theme "Journey of Biomass and Bioenergy Research and Development to Achieve Net Zero Emissions". The ICBB 2022 is a continuation of the previous conferences, ICBs in 2016–2018 and ICBBs in 2019–2021, organized by the Surfactant and Bioenergy Research Center (SBRC) and the International Society of Biomass and Bioenergy (ISBB). More information can be read here:

IPB University drives research regarding biomass Strategy to Achieve Net Zero Emission

- IGAF IPB held an international Earth Hour Webinar: One Hour to Know about Unity in Biodiversity to Saving Our Earth. This program aims to give awareness for the community to increase environmental concern as well as to reduce global warming effects and balance energy usage in daily life. More information can be read here:

Earth Hour Webinar – IGAF IPB

7. Assistance to Low-Carbon Innovation

IPB University has two research centers focusing on low-carbon economy and technology: Surfactant and Bioenergy Research Center (SBRC), and Centre for Climate Risk and Opportunity Management in Southeast Asia Pacific (CCROM – SEAP).

IPB University provides assistance for start-ups to support a low-carbon economy/technology. This assistance includes training, technical assistance in production and business management, business matching, and exhibition. Some of the start-ups that were assisted had product backgrounds that supported low carbon economy/technology. IPB also encourages the development of the B30 additive product formula. Biodiesel additives (B30) are a mixture of diesel fuel and biodiesel with a ratio of 70:30.

More information can be read here:

Surfactant and Bioenergy Research Center (SBRC)
Centre for Climate Risk and Opportunity Management in Southeast Asia Pacific (CCROM - SEAP)

Start-Ups Support For Low Carbon Economy/Technology



8 DECENT WORK AND ECONOMIC GROWTH



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



1. Employment Practice Living Wage

IPB University has implemented a payment system based on West Java Governor's Decree 561/KEP.732-KESRA/2021 (page 3 – Kota Bogor). IPB University bases its definitions of pay for person, pay for position, and pay for performance on the national policy outlined in [Rector Decree No 18/IT3/KP/2019 concerning remuneration system guide \(Pages 7, 9–13\)](#), which results in monthly take-home pay for staff and faculty members being higher than the local government's minimum wage (IDR 4,330,249.57).

A base wage, a bonus for the thirteenth month, a bonus for religious holidays, a bonus for good health, a lunch allowance, health insurance, and a pension fund comprise a person's pay. Professional incentive, honorarium, and managerial allowance are all included in the package. The pay for performance package includes overtime incentive, international scientific publication pay, innovation pay, community service pay, and on-time attendance pay.

Management of IPB University's Employees

2. Employment Practice Union

IPB recognizes Laborers Union such as FORTENDIK (for academic staff), Union Laboratory, Agrianita (for women) as the University's exclusive bargaining agent for general working conditions, employee benefits and services, training opportunities, and grievances with university administration. Articles 1 (point 7), 2 (point 2d), and 4 of [Academic Senate Regulation Number 24/SA-IPB/P/2018](#) recognize the existence of Fortendik and include Fortendik legality (MWA) (point 1b, Ev 1).

In accordance with the Labour Relations Act, IPB University extends certain organizational rights to organized labor, including female union members and foreign workers. IPB University recognizes the education labor union through the Education Personnel Forum (FORTENDIK). Fortendik is included in the recognized representatives, and has the right to speak and vote in the IPB University Board of Trustees. We also have a labor union for laboratory staff at IPB University.

3. Employment Policy on Discrimination

IPB is committed to providing equal employment, education, and training opportunities to its employees and students, as well as to creating a discrimination-free environment. As stated in [Rector's Decree No. 133/2020 \(page 2, point b\)](#), IPB prohibits all students, employees, volunteers, and visitors from discriminating on the basis of any protected characteristic, including sex, pregnancy, gender identity, and age. This policy applies to all stages of its hiring process, admission or financial aid programs, and all other aspects of its educational programs or activities.

Furthermore, as stated in [Senate Academic Regulation No.36/IT3.SA/P/2020](#), article 5(1e), page 6 the IPB has a policy on ending discrimination and ensuring inclusiveness in the workplace. Equality is demonstrated by providing equal and non-discriminatory opportunities and treatment to all members of IPB in carrying out their respective duties, including academic development and other activities, and not by making decisions that disregard differences in race, ethnicity, religion, gender, marital status, age, and disability. IPB provides employment opportunities for people with disabilities.

Academic Ethics and Community Life for Academic Civility and Educational Workers, IPB University (Anti-Discrimination Policy)

In any situation, IPB is committed to treating everyone equally with respect, compassion, adherence to ethics, politeness, and appropriateness. We issue a circular letter concerning gender responsive and inclusive campus to encourage anti-discrimination practices at IPB University.

Circular Letter Number 24799/ITS/KP/2021 About Creating Gender Responsive and Social Inclusiveness (GESI) in IPB University (Anti-Discrimination Policy)

4. Employment Policy Modern Slavery

The prohibition of slavery in Indonesia is regulated in several applicable laws, this prohibition on slavery can be found in **Law Number 39 of 1999** concerning Human Rights and also **Law Number 21 of 2007** concerning the Crime of Trafficking in Persons. As stated in the National Law (article 68 & 69), IPB is committed to ensuring that there is no modern slavery or human trafficking in any part of our business.

The academic senate's regulation of ethics and behavior ensures commitment to fight against modern slavery. In light of the obligation to report on measures to ensure that all parts of our business are slavery-free, we operate and regularly review workplace policies and procedures to assess their effectiveness in identifying and addressing modern slavery issues. Our workplace policies and procedures demonstrate our commitment to conducting business ethically and with integrity, as well as to implementing and enforcing effective systems and controls to prevent slavery and human trafficking in our organization. Furthermore, as stated in **Rector's Decree No. 133/2020** concerning commitment to achieving SDGs, IPB has a policy against forced labor, modern slavery, human trafficking, and child labor (page 2, point e).



5. Employment Practice Equivalent Rights Outsourcing

We created a reward system guidelines that establish equal rights, which documents our goals in terms of the ethical impact, which includes modern slavery and human trafficking, when procuring all goods, services, and works (page 3, article 1 point 17, 20 & 21). Our standard contractual terms and conditions for procuring goods, services, and works include provisions that incorporate the requirements of the Modern Slavery Act and give the University the authority to request information from our suppliers on the nature of their supply chains as needed. This also makes it clear that third-party suppliers are expected to follow Responsible Procurement principles. As a result, all suppliers must sign an integrity pact. This agreement allows IPB to provide workers with equal rights as needed. The risks associated with equal rights for employees, modern slavery, and human trafficking can be considered, detected, and controlled through regular evaluations of our supply.

Regulations for the Procurement of Goods and Services

IPB University applies the principles of governance including in cooperation with third parties as stated in Academic Senate Regulation No: 36/IT3.SA/P/2020 (page 9 article 8) as follows:

Academic Senate Regulation - Commitment to Achieving SDGs (Policy on Guaranteeing Equivalent Rights of Workers-Outsourcing Activities and Third Parties)

IPB University also has academic ethics in the implementation of the tridharma as contained in the Regulation of the **Academic Senate No. 33/SA-IPB/P/2019** (page 6 article 6). IPB guarantees openness and fairness in using third-party workers and guarantees multi-stakeholder cooperation in managing and developing the university (page 2 point f and g).

Rector's Decree on Achieving SDGs (Policy on Guaranteeing Equivalent Rights of Workers-Outsourcing Activities and Third Parties).



6. Employment Policy Pay Scale Equity

IPB University has a pay scale equality policy that includes a commitment to measuring and eliminating gender pay disparities. IPB employs both permanent civil servants and non-civil servants. In this regard, IPB University must align its policies with those of the government, particularly in its remuneration system. The IPB uses the 3P remuneration system, which includes Pay for Person, Pay for Position, and Pay for Performance. Gender is not a factor in worker remuneration disparities at IPB. Regional Minimum Wage Standards imposed by the government, as well as comparisons from other industries excluding the Higher Education industry, are also considered in the Take Home Pay remuneration of University Workers. In addition to the government's BPJS Kesehatan (Healthcare and Social Security Agency), the IPB implements additional worker welfare programs such as additional health insurance and welfare assistance.

IPB University Remuneration System Guide (Policy on Gender Equity)

IPB University Remuneration System Guide (Policy on Tracking Gender Equity).

Circular Letter Number 24799/ITS/KP/2021 About Creating Gender Responsive and Social Inclusiveness (GESI) in IPB University (Tracking Gender Equity)

Research in Number

273 Scholarly Output in 2020–2022

99 FWCI in 2020–2022

885 citation count in 2020–2022

4.81% of all Indonesian Scholarly output

4.41% of all Indonesian Citation count

7. Tracking Pay Scale for Gender Equity

IPB University's standards for evaluating and reviewing faculty remuneration are handled openly and transparently in accordance with the Civil Servant Pay Act, Teachers Remuneration Regulation, Labour Standards Act, and IPB regulation. The University does not discriminate against staff and students based on their gender. These issues are addressed in Rector's Decree No. 18/IT3/KP/2019 concerning Guidelines for the Remuneration System (Chapter 3), Principles and Concepts of the Payment System page 3, and Chapter 2, Page 3– 5, Evidence 1), and Articles 1 – 5, page 4, Evidence 2). IPB has several measures to track gender equality in terms of their pay scale. There is no difference between men and women. IPB implements the 3P remuneration system consisting of Pay for Person, Pay for Position, and Pay for Performance. At IPB, gender is not a factor in workers' remuneration disparities. Regional Minimum Wage Standards imposed by the government and comparisons from other fields excluding the Higher Education industry are also taken into account in the Take Home Pay remuneration of University Workers. In addition to BPJS Kesehatan (Healthcare and Social Security Agency) made by the government, IPB also implements other additional worker welfare programs. Our Commitment on Track pay scale gender described in Gender, Diversity, and Social Inclusion Profile IPB 2021 (Page 9).



8. Employment Practice Appeal Process

IPB University has IPB Help Center to protect employee rights, pay, and facilitate those who report discrimination from educational or employment disadvantage. The following list of appeal procedures and relevant laws for University teachers, staff, and contract workers is organized according to various positions and protected rights: (1) The University fully complies with the Civil Service Protection Act and the Civil Service Protection and Training Commission Incident Review Regulations to protect civil servants' appeal rights. (2) To protect those who are entitled to the Labour Standards Act's appeal rights (cited in Article 1 Points 6–8 on Page 2, Articles 32, 34, and 35 on Pages 23–24, and Articles 38–39 on Page 25).

In terms of the topics on the agenda of the labor-management meeting, the university's HR department adheres to the Ministry of Labour's Regulations for Implementing Labour-Management Meetings in order to protect the rights of its employees (Reference Chapter, point 9, Evidence 3).

IPB University's Employee Management Guidelines (Employment Practice Appeal Process)

Complaints about Violations of IPB Employee Discipline (Employment Practice Appeal Process)

9. THE Impact Ranking

In 2022, IPB University was ranked 101–200 for SDG 8 on THE Impact Ranking. The assessment is based on four aspects: research (viewed from Scopus-indexed publications), campus operations or management, community service, and teaching. IPB continues to develop innovations, especially those that directly affect national economic growth, to increase the attainment of sustainable goals. And in THE Impact Ranking 2023, IPB University managed to be the 1st rank in the world on SDG 8 by achieving a maximum score on employment practices and the proportion of employees in secure contracts. These are related to policies and good practices regarding employment management in IPB. IPB also raised its score by more than 30% regarding the proportion of students taking work placements.



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation



The goal of IPB 2045 is to establish itself as a preeminent techno-socio-entrepreneurial institution that enhances national dignity by providing outstanding higher education on a global scale in agriculture, marine science, and tropical biosciences. Based on that, IPB continues to build its research-based institution by enhancing the research environment increasing research performance and strengthening relevance that creates innovation, as well as developing innovation and business. IPB contributed 40.1%, namely 611 of 1524 Indonesian innovations in 2008 and 2022. These innovations have a commercial and social impact. Commercialized innovations have industrial partners who have the facilities and infrastructure to produce and commercialize innovations. The following is a list of some of the 20 IPB innovations that have been awarded a Cooperation Agreement (SPK) in 2022.

1. Sorinfer

The IPB research team developed Sorinfer, an animal feed that contains complete and balanced nutrition. Sorinfer is made with two main ingredients: Indigofera plants, which act as high protein utility, and sorghum, which acts as readily available energy. Sorinfer was developed to make the livestock business easier and more profitable because this feed is designed to be ready-to-eat and can be used by anyone, both experienced breeders and new breeders. The Sorinfer production process partners with PT Santana and is carried out at the Teaching Factory Sorinfer, Faculty of Animal Husbandry, IPB University, in the Jonggol Education and Research Unit (Up3). With registered formulas and brands, Sorinfer currently has four superior products: transportation feed, feed for cattle, feed for sheep and formula feed. More information can be read here:

[Sorinfer IPB](#)



2. BSF-Milk Replacer

The lecturer team from IPB University successfully created the BSF-Milk Replacer, a black soldier fly (BSF)-based feed. The benefit of this BSF-based feed is that it is designed specifically as an anti-diarrhoea feed for goats and lambs. The pre-weaning calf mortality rate in small ruminant farms is up to 20%. The BSF-Milk Replacer product would assist in addressing this issue. BSF-Milk Replacer has also collaborated with PT Biocycle Indo Industry, which will market the product commercially. More information can be read here:

[BSF-Milk Replacer IPB](#)



Research in Number

206 Scholarly Output
in 2020–2022

111 FWCI
in 2020–2022

717 citation count
in 2020–2022

3.60% of all Indonesian
Scholarly output

3.37% of all Indonesian
Citation count

3. KAMIDASu and Si Madu Garden

IPB University and Rimbun Landscape, in collaboration with the Women Farmers Group (KWT) of Ratuja Village, Depok, implemented innovations from the IPB University research team. This innovation is developing a Honey Bee-Friendly Garden Model called the Si Madu Garden produced by PT. Rimbun Ardy Nusa. The Si Madu Garden is a house yard planted with fruit trees, vegetables, and flowers to promote food availability for honey bees. A beehive is also in the yard, so homeowners can always access honey. The community can gain several advantages from the Honey Garden, including access to green open space (RTH), the product from vegetable and fruit plants, and the beauty of decorative plants. Another benefit is that bee houses produce honey that may be gathered in three to four months. Kasimadu is the name given to the honey produced in Si Madu Garden. More information: [Kasimadu IPB](#)

4. Instan Rice

Instant rice has developed in several developed countries. The technology used is drying using a freeze dryer. However, this technology requires high production costs, making it difficult to apply in Indonesia. Therefore, the research team from SEAFast Center IPB developed technological innovations to make instant rice with a fluidized bed dryer type and sterilization technology for soupy side dishes. This innovation has been commercialized by PT Kokikit Indonesia Teknologi (Kemenristek/BRIN Innovation Implementation Program 2021). More information can be read here:

[Instant Rice from IPB](#)



5. Fagiola Purple Yardlong Bean

Fagiola Purple Yardlong Bean is one of IPB's innovative products in the food sector. This variety has high productivity, which ranges from 14.70 – 26.70 tons per hectare. Also, the Fagiola Purple Yardlong Bean variety has a high anthocyanin content ranging from 0.017 – 0.019 mg/g. FaPT. Fagiola Purple Yardlong Bean produced by PT. Botani Seed. More information can be read here:

[Fagiola Purple Yardlong Bean IPB](#)



6. Lip Balm

IPB was successful in creating a lip balm based on seaweed. Natural seaweed pulp ingredients, abundant in bioactive elements including antioxidants, anti-aging, anti-inflammatory, SPF, and vitamins, are combined in this lip balm without causing waste. This product has gone through the testing phase for the content of bioactive components and has met the standards set by BPOM and SNI cosmetics. This innovation has been commercialized domestically and will become an export commodity. Lip balm produced by PT. PT. Rumah Rumpit Laut. All parts of the seaweed are used as ingredients so they do not cause waste. More information can be read here:

[Lip Balm IPB](#)



7. PORL Pomade

This innovation offers "PORL" pomade made from seaweed. Seaweed is a stabilizer, gelling agent, and source of vitamins. POMADE also promotes hair growth and prevents pigment loss of the hair. This product can be positioned to appeal to a variety of market sectors, including both children and adults. Pomade produced by PT. PT. Rumah Rumpit Laut. More information can be read here:

PORL Pomade IPB



7. Albina Cowpie

The Albina cowpea variety can be used as an alternative raw material to substitute soybeans for tempeh. This bean variety is an effort to deal with dependence on imported soybeans and maintain the price of processed soybean products. Albina Cowpie produced by PT. Mastero Circle Indonesia. The adaptation of cowpea is quite good on marginal soils and is a potential that can be synergized with the available land potential. More information can be read here:

Albina IPB



7. Albina Cowpie

IPB University launched one of the superior varieties of red cayenne pepper named Bonita IPB. Bonita IPB's red cayenne pepper is a non-hybrid variety with the same productivity as hybrids. The superiority of Bonita IPB is that productivity per plant reaches 13-15 tons/ha with a yield potential of up to 20 tons/ha or 1.1 kg/plant. More information can be read here:

Bonita IPB



8. Wafer for Ruminants

Vegetable waste from traditional markets is an issue because of its quantity and odors created by the decomposition process. One alternative is to turn the waste into wafers for the ruminants. The wafer is more durable and has a superior feed conversion ratio for cattle. Wafers provided to sheep at 50% can increase 24% of the sheep's weight. Wafer for ruminants produced by PT Warbis Mitra Usaha. More information can be read here:

Wafer for Ruminants IPB



IPB innovation commercialization rate

35,43%



10 REDUCED INEQUALITIES



Reduce Inequality Within and Among Countries

1. Non-Discriminatory Admissions Policy

IPB University has policies that guarantee open access without discrimination on ethnicity, religion, disability, and gender. IPB applies a non-discriminatory student admission policy. The admission is based on the academic performance and skill potential of the prospective student, regardless of their ethnicity, religion, disability, and gender.

- IPB implements policies through **the Rector's Decree regarding the commitment to achieve sustainable development goals**, one of which IPB ensures there is no discrimination and violence based on religion, ethnicity, race, ethnicity, and gender, both in the admission of new students and the management of human resources.
- In accepting new students, IPB applies a non-discriminatory policy. All prospective new students from various backgrounds have the right to register to continue their education at the IPB campus.



2. Access to University Underrepresented Groups Recruit

IPB has several programs to recruit students, staff, and faculty from under-represented groups, such as low-income students, women, and disabled students. To continuously support students from underrepresented (and potentially underrepresented) groups, IPB University provides scholarships (called BUD, ADIk, KIP-Kuliah, etc.) BUD is a scholarship for low-income students recommended by local government or private who are expected to build their region once they graduate.



There are various schemes for new student recruitment that enable prospective students from various backgrounds to register at IPB University. IPB accepts students from underrepresented groups through Regional Representative Scholarships sent by local governments, which can provide opportunities for all prospective new students to study at IPB.



In addition, through the Smart Indonesia Card Program (Kartu Indonesia Pintar/KIP), IPB accepted 1,290 students who came from low-income families/poor families. IPB also conducted an open recruitment for staff so that anyone can participate in an open selection process. More information about IPB's students and staff recruitment can be read here:

**Regional Representative Scholarships
Minister of Education Hands Over KIP for
Independent Lecture at IPB.**

**Admissions for Permanent Lecturers at IPB
University in 2022**



3. University Diversity Officer

IPB has a diversity and equality committee to advise on and implement policies related to diversity, equity, inclusion, and human rights on campus. IPB University aspires to be a university that values equity and diversity and seeks to embody these values in its staff, students, academic programs, and relations with the community. In particular, the University will:

- Recognize, encourage, and celebrate students from all sections of society;
- Promote an environment that fosters fairness, equity and respect for social and cultural diversity;
- Support students and staff to reach their full potential through the promotion of reasonable expectations and provision of an inclusive learning climate;
- Offer programs that aim to overcome disadvantages for student and staff equity groups; and
- Ensure that staff and students know their rights and responsibilities as members of the University community.

IPB University also established the **IPB Center for Gender and Child Studies (PKGA)**, a gender-responsive development research and community service institution that includes activities for empowering women and protecting children in all aspects of development in general and in particular for sustainable agriculture and rural areas.



Research in Number

47 Scholarly Output
in 2020–2022

88 FWCI
in 2020–2022

191 citation count
in 2020–2022

1.98% of all Indonesian
Scholarly output

2.60% of all Indonesian
Citation count

3. Support for Underrepresented Group

IPB University provides counseling, mentoring, and peer support programs to support students (especially from underrepresented groups) who face various problems, such as economics, psychology, etc. IPB Takes decisions through the **Rector Decree by forming a Guidance and Counseling Team** to be a service effort to overcome personal and group problems, especially those of a psychological nature, and provide recommendations/references for students to obtain solutions to the problems they face.

Sahabat Sebaya (Peer Counselor):

Faculty of Forestry and Environment IPB University provides **counseling services** for students, lecturers, and employees. Sahabat Sebaya is chosen from Fahutan students and will support the Mental Health Task Force's initiatives at the faculty to address student mental health. As fellow students, Sahabat Sebaya is expected to have ease in interacting with students who have problems.



4. Accessible Facilities

To reduce inequalities on campus, IPB University provides accessible facilities for people with disabilities, including a pedestrian path for blind people, stairs for wheelchair users, and elevators. IPB also provides rooms on the first floor at the student apartment for students with disabilities. More information about IPB facilities for people with disabilities can be read [here](#):

Accessible Facilities in IPB University

Sign Language Class:

The students from the Faculty of Human Ecology IPB University conducted Sign Language Class. This is an annual program and open to the public so everyone can participate.



5. Disability Accommodation Policy

IPB University also provides **accommodation scholarships** from various parties including local/national government and private sectors that specifically target persons with disability. The scholarship usually covers education funds, monthly allowances, and supporting programs for people with disabilities. IPB University provides various support for students, particularly from low-income families, to enable them to complete their studies. More information about IPB's support for students can be read [here](#):

Support for Students

Dormitory for new students



11 SUSTAINABLE CITIES AND COMMUNITIES



Make cities and human settlements inclusive, safe, resilient, and sustainable



1. Support of Arts and Heritage

IPB University provides public access to buildings, monuments, or natural heritage landscapes of cultural significance. There are several natural heritage for agroedutourism objects at IPB University:

- IPB Baranangsiang Bogor Campus. Historically, the building was established in 1952, prior to the establishment of IPB in 1963;
- Gedung Pusat Studi Biofarmaka (Tropical Biofarmaka Research Center), was established in 1926;
- Asrama Sukasari was established before 1950

IPB Baranangsiang campus is one of Bogor's cultural heritages because it has a history stored in it. In that building, the groundbreaking was carried out by the first president of Indonesia, Ir. Sukarno. At that time Ir. Sukarno emphasized the importance of agriculture to the Indonesian people as a matter of life or death. Information about IPB Baranangsiang can be read here:

[IPB Baranangsiang](#)

IPB Science Techno Park IPB managed parts of Taman Kencana, Bogor area by establishing IPB Science Techno Park. Historically, Taman Kencana area was among the Dutch colonial government heritage sites back since the colonial era. Taman Kencana initially functioned as Dutch noblemen residents, with typical Dutch house architectures. To date, some buildings that have been standing since the Dutch colonial era are maintained and conserved, including parts of IPB Science Techno Park properties.

Information about IPB Science Techno Park can be read here:

[IPB Science Techno Park IPB](#)

Gunung Walat Educational Forest is one of the forests managed by the Faculty of Forestry and Environment of IPB since 1968 which was originally an enclave surrounded by villages and community gardens. Besides being used as an educational forest, Gunung Walat Forest is also a source of energy. community income around the forest. Gunung Walat Forest can be accessed by people who want to do research or studies related to nature. Information about Gunung Walat Educational Forest can be read here:

[Gunung Walat Educational Forest](#)

Agroedutourism in IPB University:

[Agroedutourism, Future Agricultural Tourism](#)

[Agricultural Education Tourism Development at IPB University](#)

2. Public Access to Libraries



IPB University Library has a repository website that has become the best repository in Southeast Asia that has public access. Its management is supported by the Information Communication Technology (ICT) of IPB University.

IPB University Library services include membership, borrowing, returning books, information retrieval, user guidance, references, discussion rooms, internet services, SNI Corner, BI Corner, photocopy, and scanning. OPAC is available, a search tool that can be used to search for information. The Library lobby is provided for visitors to read books, and do assignments, discussions, and exhibitions while maintaining order, security, and comfort. The number of visitors to the IPB University library is an average of 2 million visitors every month. Since 2019, IPB in collaboration with Bank Tabungan Negara (BTN) conducted the inauguration of the BTN Zone at the IPB Library, functioning as a reading room that is expected to give more benefits to visitors from academics and the public. IPB University Library also collaborates with sciencedirect.com and other publishers to provide digital access from home during the pandemic situation. More information about IPB Library can be read here:

IPB University Library Membership

IPB University Library remote activation guide

List of College Repositories that Implement Open Access



3. Public Access to Museum

IPB University provides public access to museums, exhibition spaces/galleries, and/or works of art and artifacts. IPB has museum gallery and future. IPB also has an Insect Museum established in 2005 and organized by the Department of Plant Protection, Faculty of Agriculture. The Insect Museum introduces and provides knowledge about insect diversity, especially insect taxonomy, to school students, college students, and the public. This museum is open to the public for free.



IPB University also has some exhibition spaces/galleries in department/program study, such as the Gallery of Landscape Architecture which is located inside the Department of Landscape Architecture and free access during student exhibitions twice a semester. IPB Campus also has the same artifacts, since IPB Dramaga campus previously was a rubber plantation since Dutch colonialism. More information about IPB's museums, exhibition spaces, etc can be read here:

Insect Museum

New Green House With a Touch of Landscape Architecture at IPB University

IPB University Planning and Development (Construction of a museum located at Landhuis-Dramaga Campus)





4. Public Access to Green Spaces

As a public university, IPB University provides public access to open space and green space within the Darmaga Campus, such as Campus Forest Park, Taman Konservasi, Academic Event Plaza (AEP) and Taman Inspirasi, Taman Integritas, Taman Inovasi, etc. IPB University also has blue open space (BOS) within the Darmaga Campus, such as LSI Lake (Situ Leutik), Danau SDGs, Telaga Inspirasi, Situ Gede, Situ Burung Lake in Cikarawang, etc. The green open space (GOS) and blue open space (BOS) are open to the public. Therefore, on the weekends, e.g. Saturday and Sunday, many visitors use it as a recreational object. Those visitors mostly came from communities surrounding IPB Campus Dramaga. Within a 250 ha area, IPB University develops many GOS and BOS which are free access for the public community.

A. Green Open Space (GOS)

The establishment of a Campus Forest Park on the Dramaga Campus of IPB was marked by the issuance of the Rector's (i.e., Chancellor Professor Aman Wirakartakusumah) Decree No. 086/Um/1995. It mandated its management to the Faculty of Forestry. The area designated by the decree is 12 hectares, and at that time, Mahogany (*Swietenia* sp) and Pinus (*Pinus* sp) have been planted as currently seen in the Cikabayan block area. More information about green open space in IPB can be read here:

Arboretum Landscape

B. Blue Open Space (BOS)

IPB University collaborates with Danone Indonesia through PT Nutricia Indonesia Sejahtera to inaugurate Taman Kehati (Telaga Inspirasi). This park is located on the Dramaga IPB Campus, Bogor. This collaboration aims to conserve endemic flora and fauna that are endangered as well as carry the mission of meeting the needs of healthy food and access to clean water for IPB University residents. Through this park, it is hoped that it can act as a center for education, inspiration and innovation for many parties. More information about blue open access in IPB can be read here:

Inspiration Lake Conservation Park



5. Arts and Heritage Contribution

IPB University has many annual public performances, such as choirs, theater, orchestra, sports, music, art exhibition, etc. Related to art and culture that play an important role in cultural preservation as well as providing space for the actualization of arts, especially for IPB academics. More about art and culture activities in IPB can be read here:

The arts and culture activities at IPB

List of IPB University student activity units

A. Gebyar Nusantara

Gebyar Nusantara is an annual event that presents IPB University students' cultural diversity from all over Indonesia. This is a gathering place and competition between regional student organizations in carnival wraps, traditional costume competition from the region, regional culinary specialties, and stand competitions.



B. IPB University Student Choir (Agriaswara and D'Voice)

The Student Choir (PSM) of IPB University Agriaswara is a Student Activity Unit (UKM) at the IPB University which consists of undergraduate students. While D'Voice is a student choir consisting of students from the IPB University Vocational School. Agriaswara has carved out a lot of activities and achievements, including regularly holding Annual Concerts. Agriaswara raised the International Mission in Art and Culture (IMAC), a mission to make Indonesia famous by participating in an international choir competition, while introducing Indonesian culture on the international scene through regional music and dance.



C. Gentra Kaheman

IPB conserves the Sundanese–West Javanese native tribe–culture through the Gentra Kaheman students organization. Gentra Kaheman is a student organization that focuses on IPB students' interests and talents development in arts and cultures, especially Sundanese art and culture. Art and cultural variety are learned, conserved, and developed in the form of local dances, songs and musical instruments, theatrical/drama arts that bring local folks' lores, and traditional games.

6. Sustainable Practices

IPB University undertakes actions to promote more sustainable commuting by the provision of free buses or shared transport schemes, provision of bicycle parking & storage facilities, provision of cycle tracks, a bicycle and pedestrian plan or policy, bicycle sharing program, free or reduced price transit passes, car/vanpool or ride sharing program, reduced parking fees or preferential parking for carpool or vanpool users, car sharing program, provision of electric vehicle recharging stations, preferred parking for fuel-efficient vehicles. More information about IPB's green transportation can be read here:

Campus Transportation

Campus Bus

Electric Car

Bike Sharing at IPB University

Pedestrian Priority on Campus



7. Allow Remote Working

IPB promotes or allows remote working for employees to reduce employee commuting as stated in IPB Official Letter No. 6494/IT3/KP/2020 concerning Employee Work System during the New Normal Era. IPB University has also implemented a picket (shifting) schedule. There are shifts, some are Work From Home (WFH) and some are Work From Office (WFO). Some jobs are communicated via e-letter, digisign and social media, this can reduce the use of paper materials, photocopies, printed materials and others. Important meetings, even lectures and practicums, are also held online. This significantly reduces energy use, not only for transportation fuel, but there has been a reduction or energy savings in lighting, air conditioning, elevators, gas and water use.

In addition, IPB University also promotes an online learning system through blended methods which reduces classroom utilization and transportation for lecturers and students coming to campus. The blended learning is delivered through Moodle Platform (class.ipb.ac.id) & Zoom Online Meeting Application which provide a licensed account for all students and lectures.

Research in Number

250 Scholarly Output in 2020-2022

113 FWCI in 2020-2022

526 citation count in 2020-2022

3.58% of all Indonesian Scholarly output

3.46% of all Indonesian Citation count

7. Affordable Housing for Employees

IPB University pays attention to the housing needs of its lecturers and employees. This commitment is shown by the availability of 106 housing units for lecturers inside our campus, with a total area of 7.041.610 m². In addition, IPB University also provides a unit of lecturer dormitory on Jl Veteran No 60 Bogor; on Jl Kartini Bogor; and around IPB Baranangsiang Campus, Jl Andi Hakim Nasoetion Bogor. For every lecturer and employee who is in need, IPB University gave a permit for the employees and lecturers to use this housing. IPB University also works closely with local and national governments to address planning issues/development, including ensuring that local residents are able to access affordable housing. In collaboration with Perumnas and the Ministry of General Affairs, IPB University provides affordable housing to local communities surrounding the campus area.

IPB University also works with Public Service Agency (BLU) Center for Housing Financing Fund Management (PPDPP) Ministry of Public Works and Public Housing (PUPR) to study and analyze the social and economic impacts of distributing program funds for the Housing Financing Liquidity Facility (FLPP) on Low-Income Communities (MBR) through Banks and Developers. Program funds for the Housing Financing Liquidity Facility (FLPP) help people with Low-Income Communities to address the problem of housing. More information about IPB's affordable housing for employees can be read here:

Regulations regarding permits to occupy official housing

Perumnas with IPB University Collaborate to Provide Cheap Houses for Employees

List of lecturer housing

8. Affordable Housing for Students

IPB provides affordable dormitories for students inside the campus area. IPB University has 10 building dormitories, which include 4 male student dormitory blocks and 6 female student dormitory blocks. For first-year students, the existence of dormitories greatly facilitates access to the location of classes and practical work, namely the Common Classroom (CCR) and Teaching Laboratory which is very close to the location of the dorm. Facilities available at the dormitory include 7 x 24-hour security, study room, lobby, free WIFI, dormitory canteen, and assistance from Senior Resident (SR). IPB also provides leadership dormitories, provided by sophomore students onwards with the aim of helping students find affordable housing.



9. Building on Brownfield Sites

IPB University officially inaugurated the Delta Building in Vocational School. Delta building is an ex-biochemistry building which was renovated by the University to become a modern agricultural storefront. IPB is now trying to renovate the building to become an urban agriculture complex. We named it Alpha Building, CB Building (Beta), CC Building (Gama), DD Building (Delta), Epsilon Building, Zeta Building and later when many more can reach omega.

IPB University also has a new building on brownfield land, AM. Satari Building. AM. Satari Building applies an environmentally friendly concept with the principle of green building. The building is also supported by facilities and designs that support energy efficiency. AM. Satari building has a water harvesting system that supports water needs in one building.



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Ensure sustainable consumption and product patterns

1. Ethical Sourcing of Food and Supplies

IPB University supports the ethical sourcing of food and supplies for the past decade. This commitment is seen in policies established and enacted for use within the university ground, the immediate surrounding area, up to the national scale. Since 2020, IPB has issued a policy highlighting the ethical sourcing of food and supplies as stated in Rector's Decree No. 133/IT3/LK/2020. IPB also established the Halal Science Center. The Halal Science Center analyzes food for contaminants not compatible with the law of Islam and conducts research into new methods of food preparation and new reagents for detecting such contaminants. For more information:

Rector's Decree No. 133/IT3/LK/2020

Circular Letter No. 24714/IT3/HM/M/B/2021

Rector's Decree No. 31/IT3/OT/2018 Concerning Establishment of a Halal Science Study Center

2. Tackling Food Waste and Food Loss in Campus

IPB University's professor provides recommendations on how to decrease food waste and loss. Food that has been processed must be marketed not just for the domestic market but also for export. Food processing reduces food loss since discarded food usually has not had time to be processed because it is already rotting. Food processing can be aided by developing product qualities that fit consumer needs and reduce food loss. The Center for Transdisciplinary and Sustainability Science (CTSS) IPB University, in collaboration with the Indonesia Business Council for Sustainable Development (IBCS), hosted a webinar titled "Overcoming Food Loss and Waste, Encouraging Transformation through Innovation and Collaboration." This webinar will support the exchange of ideas and experiences on multi-

stakeholder collaboration in decreasing food loss and waste. It is envisaged that this collaboration will aid in resolving Indonesia's food loss and waste problem. More information can be read here:

Recommendations to Decreasing Food Waste and Food Loss

Food Waste and Food Loss Webinar

3. Policy Waste Disposal - Covering Hazardous Materials

Waste management activities at IPB University start from collecting waste from the work unit based on a proposal from the work unit to the installation of a temporary shelter (TPS) for hazardous waste at IPB, then disposed of/sent to the PT Prasadha Pamunah Industrial Waste Management Company (PPLI), Cileungsi. In the technical framework, IPB University also has Standard Operational Procedures on Hazardous Waste Treatment which is managed and supervised by the Directorate of General Affairs. To learn more about IPB's waste disposal policies, please check these links below:

Hazardous Waste (B3) Management Partnership
SOP Waste Treatment Management

Research in Number

336 Scholarly Output in 2020-2022

108 FWCI in 2020-2022

1104 citation count in 2020-2022

1.98% of all Indonesian Scholarly output

2.60% of all Indonesian Citation count

4. Policy Waste Disposal – To Measure The Amount of Waste Sent to Landfill and Recycled

IPB University concerns about waste management due to various activities. IPB University encourages all staff and students to apply 'Zero Waste Policy' as stated in Circular Letter No. 24714/IT3/HM/M/B/2021. In addition to this, IPB University also has a procedure on how to measure the amount of waste produced and how much of it will be sent to landfill and recycled. In 2022, only 7,21% of our waste was transferred to a landfill and 40,28% was recycled to make compost.

5. Policy for Minimisation of Plastic

IPB University applies policies about minimization of plastic. IPB adheres to the Circular Letter of IPB No. 17960/IT3/TU/2019 about minimisation of plastic use, specifically item 3, clearly mentioned that IPB's community have to use reuse bag/eco bag and do not use plastic bag on the daily activities. We also urge each unit to do waste sorting as stated in the circular letter on waste sorting. The university also has policy concerning plastic use minimisation for our business partner as stated in the Circular Letter of IPB No. 13667/IT3/TU/2019.

- IPB also procured hydraulic press machine to produce paver blocks from plastic trash.
- The Department of Resources and Environmental Economics held **training on how to create smartphone holders (HP) using discarded plastic trash** from various types of food packaging.



Integrated Waste Management

Activity	2018	2019	2020	2021	2022
Sent to TPA Galuga (m ³)	960	480	400	480	660
Which was Burnt (Kg)			756	2.734	4.800
Which was Processed into compost(Kg)			2.250	3.464	3.683

6. Waste Tracking

IPB University committed to reduce food waste in every possible way. Based on our Rector's Regulation (Peraturan Rektor) No. 29/IT3/OT/2020, the university aims to do this by applying the "Reduce, Re-use, and Recycle waste hierarchy". IPB University also operates a 'zero to landfill' policy for general waste, food waste and bulky waste as stated in our Circular Letter No. 24714/IT3/HM/M/B/2021. IPB also provides the waste processing facilities for the campus area, including the calculation of the amount, namely: 1) separate trash according to the type of waste, 2) garbage trucks according to the type of waste, 3) Eco Incinerator, 4) Biodigester, 5) Composter, and 6) Temporary storages for Hazardous Wastes. From 2019, IPB published waste management and the amount of waste generated and recycled across the university.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION





Take urgent action to combat climate change and its impacts

1. Low-Carbon Energy Tracking

IPB University performs renewable energy (low-carbon energy) regularly tracking from solar panel and gas generator sets. This activity is a form of IPB's commitment to achieving the Green Campus program and reducing GHG. In 2021, there will be additional low-carbon energy sources in the form of 54 solar panels for building lighting and 1 gas generator set.

Solar Panels for Public Street Lighting



Solar Panels for Building Lighting



Solar Panels for Building Lighting



Solar Panels for Public Street Lighting



Biogas Generator Set



Low-carbon energy tracking on IPB campus

Low-carbon energy sources	2021		2022	
	Unit	Energy (GJ)	Unit	Energy (GJ)
Solar panels for building lighting	54	48.6	54	48.6
Solar panels for public street lighting	114	111	114	111
Gas generator set	1	18	31	558
Total		177.6		717.6

Notes: No measurements in 2020 due to COVID-19 pandemic

2. Local Education Programmes on Climate

IPB University organizes educational programs related to climate change issues. For example, LPPM IPB launched School of Climate Change, Sustainability, and Disaster (Sekolah Perubahan Iklim, Sustainability, dan Bencana (PSB)). This program is expected to generate various ideas and innovations that can address the climate change-related risks. More information about School of Climate Change can be read here:

School of Climate Change, Sustainability, and Disaster

IPB University also held a mini seminar with the theme: The Risk Management of Climate Change-Related Disaster. This mini seminar brought up several natural disasters in Indonesia as its case studies. More information about Climate Change Disaster Seminar can be read here:

Mini Seminar: The Risk Management of Climate Change-Related Disaster

In addition, one of the student creativity program groups (PKM) organized Climate Village (Desa Iklim) in Desa Cibanteng. According to the students' research, Desa Cibanteng has the potential to support Nationally Determined Contribution (NDC) accomplishment by improving the community-based waste management and its land cover areas. More information about The Climate Village can be read here:

Cibanteng Climate Village

MINI SEMINAR STUDI KASUS
MANAJEMEN RISIKO BENCANA TERKAIT IKLIM
 Sabtu, 3 Maret 2023 13:30 – 17:00 WIB
 Link Zoom: <https://ipb-lppm.zoom.us/j/9162385048>
 Meeting ID: 9162385048
 Password: 510000

TOPIK SEMINAR

- TANAH LONGSOR**
 - ✓ Ari Yuli Lestari – Longsor di Semedang
 - ✓ Annisa Nur Wardani – Gerakan tanah di Sukabumi
 - ✓ Arief Rahman H – Bencana Tanah Longsor di Kabupaten Banjarnegara, Jawa Tengah
- BANJIR**
 - ✓ Sofian Rodiana – Banjir di Gorontalo
 - ✓ Syahbani Putra Gunadi – Banjir di Depok
 - ✓ Iwan – Banjir di Sintang, Kalimantan Barat
 - ✓ Reza Eka Putra – Banjir di Kawasan Cihangun Bandung, Jawa Barat
 - ✓ Endah Sulistyowati – Banjir di Kalimantan Selatan
 - ✓ Kusdiyantoro – Banjir di Pesisir Selatan, Sumatera Barat
- KEKERINGAN & KEBAKARAN LAHAN**
 - ✓ Sidik Permata AM – El Nino di Kabupaten Tuban
 - ✓ M. Iskandar – Kebakaran Hutan dan Lahan di Provinsi Jambi

Divisi Manajemen Risiko Persekitaran, Iklim, dan Bencana
 IPB LPPM
 Pordian S.Si., M.Nat.Res.Econ., Ph.D.
 Hosted by:
 Rosti Salmayanti (0852-8079-3539)

3. Climate Action Plan, Shared

IPB University collaborated with UCLG-ASPAC to hold climate action plan development in 10 cities in Indonesia, i.e. Pekanbaru, Pangkalpinang, Bandar Lampung, Cirebon, Banjarmasin, Samarinda, Mataram, Kupang, Gorontalo, and Ternate. This activity aims to provide capacity building to assist the local government in preparing the Climate Action Plan through Training and Mentoring. The training activities were carried out for 13 months from August 2021 to February 2023 (the implementation of training and mentoring had stopped for 3 months from October 2021 to January 2022), and the training process was carried out through hybrid meetings. Researchers and lecturers from CCROM-SEAP IPB and the Department of Geophysics and Meteorology (Geomet) were resource persons in this training activity.

Climate Action Plan Development Training Launched in 10 CRIC (Climate Resilient and Inclusive Cities)

IPB University signed the policy and set the goal to become carbon neutrality by 2030. This commitment has been reflected through various campus operational activities:

- limiting energy usage and emissions from transportation
- obtaining electricity and other forms of energy from zero or low carbon energy sources
- taking the initiative and leading the way towards climate-neutral food production and consumption
- green infrastructure and buildings
- integrated and sustainable waste management, efficient water usage & conservation program.

Research in Number

193 Scholarly Output in 2020-2022

112 FWCI in 2020-2022

1004 citation count in 2020-2022

5.87% of all Indonesian Scholarly output

6.69% of all Indonesian Citation count

4. Co-Operative Planning for Climate Change Disasters

IPB University collaborated with stakeholders in cooperative planning for climate change disasters. Here are some activities related to the issue:

A. Food Mitigation in The Face of Hydrological Disasters

One of the reasons for the disruption in food stock availability is a hydrological disaster. Implemented disaster management strategies frequently need to give a solution. Therefore, The Disaster Study Center of IPB University with The Ministry of Agriculture conducts online technical guidance on **Food Mitigation in the Face of Hydrological Disasters: Availability of Food Stocks and Protection of Farmers in Sulawesi**. IPB University and The Ministry of Agriculture collaborated to create this program.



B. Sekolah Alam Pasaman IPB University

IPB University and Salam Aid collaborated to build **Sekolah Alam in Pasaman**, West Sumatra. Sekolah Alam will be the place to help people affected by the earthquake disaster and as a forum for the community to learn about disaster response.



5. Inform and Support Government

IPB University with the support of the Ministry of Environment and Forestry, created a Forest and Land Fire Prevention Information System (Sistem Informasi Pencegahan Kebakaran Hutan dan Lahan (SIPP Karhutla))–SMART Patrol Information System. This system is an early warning system to prevent forest fires from occurring. For more information about SIPP Karhutla, please visit this link:

SIPP Karhutla–SMART Patrol Information System



Furthermore, IPB was represented by Prof. Bambang Hero Saharjo as coordinator of The Regional Fire Management Resource Center – Southeast Asia (RFMRC-SEA). We are collaborating proactively with regional member states established under the ASEAN structure addressing fire management as a climate change disaster challenge. For more information about RFMRC-SEA, please visit this link:

IPB University support RFMRC-SEA in Transboundary Haze Pollution Control (ACC)



6. Commitment to Carbon Neutral University

In 2020, IPB University signed the policy and set the goal to become carbon neutrality by 2030. This is stated in the Copy of the Rector's Decree No. 298/IT3/LK/2020 concerning the Commitment of IPB University in Achieving Carbon Neutral in 2030. This commitment has been reflected through various campus operational activities:

- limiting energy usage and emissions from transportation
- obtaining electricity and other forms of energy from zero or low carbon energy sources
- taking the initiative and leading the way towards climate-neutral food production and consumption
- green infrastructure and buildings
- integrated and sustainable waste management, efficient water usage & conservation program.

Details about IPB University Climate Action Plan



13 CLIMATE ACTION



14 LIFE BELOW WATER



Conserve and Sustainably Use the Oceans, Seas, and Marine Resources for Sustainable Development



1. Supporting Aquatic Ecosystems Through Education

IPB University provides formal and informal educational programmes on freshwater ecosystems that are available for local and national communities. These are some examples of educational activities regarding aquatic ecosystems that have been carried out by IPB:

A. Summer Course "Tropical Aquatic Biodiversity and Management from Highland to Ocean (H2O)"

This is a summer course organized annually by the Department of Aquatic Resource Management. In 2022, This summer Course was held on August 16 – 24 (for 9 days) and involved in The International Symposium on Aquatic Resources Management 2022. The main scope of course was 1. aquatic biology and ecology; 2. aquatic endangered, protected, invasive alien, exotic species and miscellaneous; 3. Social –ecological system framework for aquatic resources management; 4. Climate adaptation and resilience; 5. Aquatic pollution; 6. Aquatic environment, ecosystem and conservation; 7. Integrated inland waters and coastal management; 8. Fisheries management; 9. Aquatic natural product; and 10. Aquatic bioprospecting.

B. IPB University Experts Talk about Lake Management

The Department of Aquatic Resource Management organized a webinar to discuss sustainable lake management for Economic Resources and Community Welfare. This webinar brings together various stakeholders and is open to the public.



C. Webinar Safe and Sustainable water for Quality Life

South-East Asia Food and Agricultural Science and Technology Center (SEAFST-IPB) in collaboration with PT. Tirta Investama (Danone Aqua) held an educational webinar for the public regarding the importance of safe, quality water for metabolism. This webinar was held online on February 14, 2022, attended by 654 participants. The resource person for this webinar is Prof. Ratih Dewanti Hariyadi explained the material "Requirements for Water Microbiology Quality and Public Health Protection" and Head of Climate and Water Stewardship Danone Indonesia, namely Ratih Anggraeni delivered "Maintaining the Availability of Safe Water Sources, raising aspects of water supply, water demand and water management."



D. Training on Hydrological Modelling in Watershed Management

This training is organized by IPB Training center, which aims to improve local capacity development on managing the watershed. The topics in this training include an introduction to the hydrological cycle, analysis of watershed management using GIS, and hydrological modeling using HEC HMS and SWAT applications. Online education programs aimed to educate the local & national communities on water management & conservation.

E. International Seminar on Ocean Sciences and Sustainability (ISOSS) 2022

The Department of Marine Science and Technology IPB University hosts the International Seminar on Ocean Sciences and Sustainability (ISOSS). In 2022, ISOSS raised the theme of “Innovative Ocean Resources Exploration for Sustainable Development”. This activity begins with scientific paper registration with the sub-themes Climate change and ocean threats, Marine bioprospecting and food security, Renewable blue energy, Sustainable blue economies, and Sustainable ocean technology. Then, the activity will end with an international seminar inviting marine experts from various countries.



F. EMBRIO International Symposium

The RcoE EMBRIO FPIK IPB hosts the EMBRIO International Symposium (EIS) every two years. EIS is held in order to disseminate the findings of multidisciplinary scientific research and to encourage creative solutions for the sustainability of Indonesia's marine biodiversity.

This international symposium also serves as an institutional platform to strengthen IPB's strategic network with national and international partners for cross-sectoral programs, while increasing academic outreach through collaboration, presentation of ideas and research results, and publication in reputable international journals and proceedings.



2. Conservation and Sustainable Utilization of The Oceans

IPB University has a faculty and two research centers which focus areas of activities related to aquatic ecosystem conservation and sustainability. To promote conservation and sustainable use, various events have been implemented by IPB University in collaboration with some partners.

A. Coral Reef Rehabilitation and Management Program

Coral Reef Rehabilitation and Management Program – Coral Triangle Initiative (COREMAP-CTI) is the program from Indonesia Climate Change Trust Fund (ICCTF) that collaborated with PKSPL (Center for the Study of Coastal and Ocean Resources) IPB University and other stakeholders in Raja Ampat, West Papua. This program succeeded in rehabilitating 100 square meters of coral reef ecosystem area, 1,000 square meters of mangrove ecosystem area, and 500 square meters of seagrass ecosystem area. COREMAP-CTI also gave community empowerment for the community around Raja Ampat. This program developed species-based tourism on protected and unique marine biota. More information about coral reef rehabilitation program can be read here:

[Raja Ampat COREMAP-CTI](#)



B. School of Coral Reef Restoration (SCORES)

Department of Marine Science and Technology IPB University organizes an educational program named School of Coral Reef Restoration (SCORES). In the 5th meeting, SCORES educate the participants about restoration of coral reefs through transplantation. Each session of this program featured presentations from various experts. More information about school of coral reef can be read here:

[School of Coral Reef Restoration](#)

C. IPB University Lecturers Developed E-DNA for Coral Reef in Tejakula, Buleleng Regency, Bali

Lecturers from Department of Marine Science and Technology IPB University took samples of e-DNA from coral reefs in Tejakula, Bali. These samples will be used to monitor the condition of marine biodiversity in Tejakula so that the artificial reef can be planted afterward. More information about E-DNA for coral reef can be read here:

[IPB University Lecturers Developed E-DNA for Coral Reef in Tejakula](#)

D. Aquatic Ranger Expedition

HIMASPER (Water Resources Management Student Organization) IPB University held Aquatic Ranger Expedition (Aquaration) program in Pramuka Island, Jakarta. The purpose of Aquaration is to localize and promote the conservation of Pramuka Island's coral reefs. There are more than 30 people participated in this program. More information about Aquaration 2022 can be read here:

[Aquaration 2022](#)

E. Coral Reef Transplantation with PT PHE-ONWJ

PPLH (Environment Study Center) IPB University with PT Pertamina Hulu Energi Offshore North West Java (PHE-ONWJ) initiated coral reef transplantation in Sukekerta Village, Karawang Regency, West Java. The Village Government, Lembaga Pandu Alam Sendulang, and the village community also involved in this program. The coral reef's transplant media that used in this program is the innovation of IPB University coral reef experts, Dr. Wazir Mawardi. More information about coral reef transplantation in Sukakerta Village can be read here:

[PPLH and PT PHE-ONWJ coral reef transplantation](#)

A. Sustainable Purchasing Guidelines in IPB University Objectives

IPB University is committed to advancing sustainability on campus, in the community, and globally. This guidelines aims to create guidelines for the procurement of products and services that support the university's commitment to sustainability.

B. Applicability

All university agency organizations and all contracted and subcontracted services shall adhere to these guidelines. The requirements herein shall be written into all Requests for Proposals, contracts, sponsorship agreements, and strategic alliance agreements that pertain to procurement of products or services. Any variances shall be approved in writing by the Director of Business, IPB University.

C. Guidelines

To make sure the quality of food source, all university agency organization and all contracted and subcontracted services must:

- Provide local and or community-based products and healthy and nutritional foods.
- Maintain food health and hygiene, environmental hygiene, and the beauty, order, and preservation of garden facilities and public facilities in the environment around the Canteen
- Assess and monitor the ethics behind the seafood the University serve and telling the University suppliers to remove endangered species from menus and catering
- Maintain the canteen environment by paying attention to the level of hygiene, cleanliness, health, and halal of food
- Maintain the quality of food and the cleanliness of utensils and equipment used in providing food comply with and implement food quality requirements and minimum service standards

The policy can be read here:

[Commitment on Achieving SDGs \(food on campus sustainably harvested\)](#)



3. Food from Aquatic Ecosystem

IPB ensures that food on campus must be supplied from sustainably-managed aquatic ecosystems and sustainably harvested as mandated in the Rector's Regulation No 133/2020).

4. Maintain Ecosystem and Their Biodiversity

A. PPLH IPB University Monitored Coral Reef in Biawak Island

Environment Study Center (PPLH) IPB University monitored and evaluated transplanted coral reefs in Biawak Island, Indramayu Regency, West Java. This monitoring also collects data about growth of transplanted coral reefs, condition of natural corals around the transplanted areas, percentage of coral cover, varieties of corals, identification and estimation of the quantity of reef fish.

B. IPB University Professor and Students Plant 250 Mangrove in Pari Island

Professor Jonson Lumban Gaol and the students of postgraduate marine technology plant 250 mangroves in Pari Island, Jakarta. This event is part of student field trip to support student knowledge through learning outside the classroom.

C. Green Belt Conservation

HIMASPER (Water Resources Management Student Organization) IPB University held Green Belt Conservation (GBC) in Patramanggala Village, Banten. GBC is an annual program from HIMASPER and has been implemented for 4 years in Patramanggala Village. In 2022, GBC planted 1000 mangroves and monitored the previously planted ones. This program aims to restore the mangroves cover and restore the tiger prawns' (*Penaeus monodon*) population in Patramanggala Village.



More information about the activities can be read in these link below:

[Monitoring The Coral Reef in Biawak Island, Indramayu](#)

[IPB University Professor and Students Plant 250 Mangrove in Pari Island](#)

[Green Belt Conservation 2022](#)

5. Action Plan to Reducing Plastic Waste

A. Green Movement

The Green Movement consists of five collaborative movements to realize the IPB Green Campus 2020. The five collaborative movements are (1) Healthy Canteen Ecolabelling, (2) Procurement of Tumblers and Ecobags (Go-Teco), (3) Plastic Elimination Policy on Campus (Caring for Environment), (4) Standardization of Trash Cans, and (5) Thematic Day (#Hayu Atuh Movement).

Read full article:

[Green Campus Movement](#)

B. Hygiene Procedures and Restrictions on the Use of Plastic

The Cleanliness and Restriction of Plastic Use Procedures aim to provide guidance in the environmental hygiene aspects of PKSPL-IPB as well as restrictions on the use of plastic in office activities. This procedure covers aspects of equipment, cleanliness and restrictions on the use of plastic in PKSPL IPB activities

6. Minimizing Alteration of Aquatic Ecosystems

IPB has a plan to minimize physical, chemical and/or biological alteration of related aquatic ecosystems. This plan is integrated in the Green Campus Initiatives movement and was mentioned in Green Campus Academic Paper. Minimizing Alteration of Aquatic Ecosystem especially mentioned in Chapter 4, Sub-Chapter 4.3. (Page 51); Chapter 5.4 (Page 77) & Chapter 6.3 (Page 112). The Green Campus Team of IPB University is an ongoing and forthcoming study in the campus' existing operational activities to be annually held in compliance with current regulations in Indonesia.

Research in Number

518 Scholarly Output in 2020-2022

124 FWCI in 2020-2022

1,802 citation count in 2020-2022

11.74% of all Indonesian Scholarly output

14.35% of all Indonesian Citation count

A. The PPLH IPB Team Carried Out Monitoring of Sites/Reservoirs in DKI Jakarta

The PPLH IPB team carried out monitoring of sites/reservoirs in DKI Jakarta which were included in the management priority category. The lakes/reservoirs that are the focus of this review are Situ Rawa Badung and Situ Customs which are adjacent to residential areas. For comparison, the team also monitored Situ Rawa Gelam which is included in the management area of the Pulo Gadung Industrial Estate (Jakarta Industrial Estate Pulogadung-JIEP).

From the results of this monitoring, the team identified the types of pollutant sources that might enter the water body, visually observed the condition of the in situ water body and the location of waste generation around the lake/reservoir which has the potential to pollute the aquatic environment. The presence of waste generation entering the reservoir/reservoir accelerates the process of silting up, clogging the inlet and outlet water channels.

B. Wastewater Disposal Standard to Minimize Alteration of Aquatic Ecosystem

IPB University has fulfilled wastewater disposal standards based on ISO/IEC 17025 (General requirements for the competence of testing & calibration laboratories). Several laboratories of IPB have received ISO/IEC 17025 certification. More information can be read in these link below:

PPLH IPB Berikan Alternatif Pengelolaan Situ/Waduk di DKI Jakarta

Accreditation of Out Laboratory Standard

7. Sustainable Fisheries

The Faculty of Fisheries and Marine Sciences IPB University, together with Tadulako University, the National Research and Innovation Agency (BRIN), the National Development Planning Agency (Bappenas) and the Maritime and Fisheries Service of Poso Regency held a Focus Group Discussion on "Sustainable Eel *Anguilla* Industry Development Through Resource Management and Upstream-downstream Production Technology of *Anguilla* spp". This FGD occurred at the Swiss-Belhotel Palu on Thursday, 1 December 2022. This FGD discussed resources, aspects of problems and efforts to develop eel fisheries resources sustainably, government coordination, Non-Governmental Organizations (NGOs), private sector, communities and academics. More information about sustainable development of eel industries can be read here:

Sustainable Development of Eel (*Anguilla* spp) Industries

IPB University in collaboration with the Maizuru Fisheries Research Station, Kyoto University; Graduate School of Agricultural Science, Tohoku University; Agency for Marine and Fisheries Research and Human Resources, Ministry for Marine Affairs and Fisheries (BRSDM-KP, KKP); BIONESIA (Biodiversitas Indonesia); Indonesian Ichthyological Society (MII), Indonesia Fisheries Processing Community (MPHPI), Center for Coastal and Marine Resources Studies (PKSPL) IPB held The **International Seminar on Marine Biodiversity, Utilization, Conservation and Management (MarBioUtiCoM)** with the theme "Bolstering the Health of Our Ocean and Ensuring the Sustainable Use of Marine Bioresources" on August 8-9, 2022. The main issues discussed were : 1. Biodiversity, in particular, initiatives to develop a Post-2020 Global Biodiversity Framework, ecological restoration, marine ecosystem protection, IUU fishing, marine protected areas in Antarctica, and Osaka Blue Ocean Vision, 2. Marine waste, 3. Efficient use of resources, and 4. Circular economy.

8. Monitoring The Health of Aquatic Ecosystem

IPB University has monitor the health of aquatic ecosystems through several activities:

A. PPLH IPB University Monitors River Ecosystem in Jakarta

IPB University through PPLH monitors the health of river water ecosystems in 5 rivers in DKI Jakarta. The monitoring locations cover five administrative areas, namely East Jakarta, South Jakarta, West Jakarta, North Jakarta, and Central Jakarta, which are traversed by five watersheds, namely Ciliwung , Sunter , Angke-Pesanggrahan , Cakung , and Sentiong. Monitoring activities were carried out at 120 monitoring points in 23 river networks namely Ciliwung River, Cipinang, Angke, Sekertaris, Sepak, Mookervart, Grogol, Sunter, Krukut, Cengkareng, Buaran, Petukangan, Jati Kramat, West Kalibaru, East Kalibaru, East Canal, Cakung , Cideng, Mampang, West Tarum, Kamal, Pesanggrahan, and Blencong. DKI Jakarta Province is traversed by several rivers that empties into Jakarta Bay, this system is partly upstream in West Java Province and Banten Province. More information:

Monitoring health of aquatic ecosystem in Jakarta

B. Expedition at Sebesi Island

Fisheries Diving Club IPB University once again held the Zooxanthellae expedition. Zooxanthellae Expedition is an expedition activity to study aquatic ecology and socio-economics in the community. On this occasion, the Zooxanthellae expedition was carried out on Sebesi Island, West Lampung. More information can be read in these link below:

Monitoring the Health of Aquatic Ecosystems in Sebesi Island



9. Programs Towards Good Aquatic Stewardship Practices

IPB University has supported ad-hoc and on-going programs and incentives that encourage and maintain good aquatic stewardship practices.

A. Mangrove Planting and Monitoring

Environmental Research Center (Pusat Penelitian Lingkungan Hidup) IPB with PT Pertamina Hulu Energi Offshore North West Java (PHE ONWJ) and Balai Konservasi Sumber Daya Alam (BKSDA) visited Pulau Rambut to verify the mangrove planting at the Pulau Rambut Wildlife Reserve. Environmental Research Center (Pusat Penelitian Lingkungan Hidup) IPB also monitors the restoration of the mangrove ecosystem in Bekasi, Karawang, and Kepulauan Seribu. For more information:

Mangrove Verifying in Pulau Rambut

Mangrove Monitoring in Bekasi, Karawang, and Kepulauan Seribu



B. IPB Student Community Service (KKN): Planting Mangrove Trees

IPB Students conducted mangrove ecosystem stewardship practices in Pekalongan to prevent tidal floods. This program was held on 19 July 2022. For more information:

Mangrove Planting in Pekalongan



C. Waste Cleaning in Pulau Mansinam, West Papua

IPB University, Agrarian Ministry, and other institutions take action to clean the marine waters in Pulau Mansinam, Manokwari Regency, West Papua. This event aims to maintain the sustainability of marine and coastal ecosystems, so that it is not polluted by household waste. This event also support the implementation of Coastal Zone and Small Islands Zoning Plan (Rencana Zonasi Wilayah Pesisir dan Pulau-pulau Kecil (RZWP3K)). For more information:

Waste Cleaning in Pulau Mansinam



10. Collaboration for Shared Aquatic Ecosystem

PPLH IPB University with PT Pertamina Hulu Energi Offshore North West Java Organized Coral Reefs Transplantation in Karawang, West Java. PT Pertamina Hulu Energi Offshore North West Java (PHE-ONWJ) collaborated with IPB University and Desa Sukakarta community to organized coral reefs transplantation in Karawang, West Java. This program conducted based on the decreasing area of patch reefs in Desa Surakarta. For more information about the program, please visit this link:

Collaboration in Coral Transplantation (shared ecosystem) in Karawang, West Java



11. Watershed Management Strategy

A. PPLH IPB University Monitors River Ecosystem in Jakarta

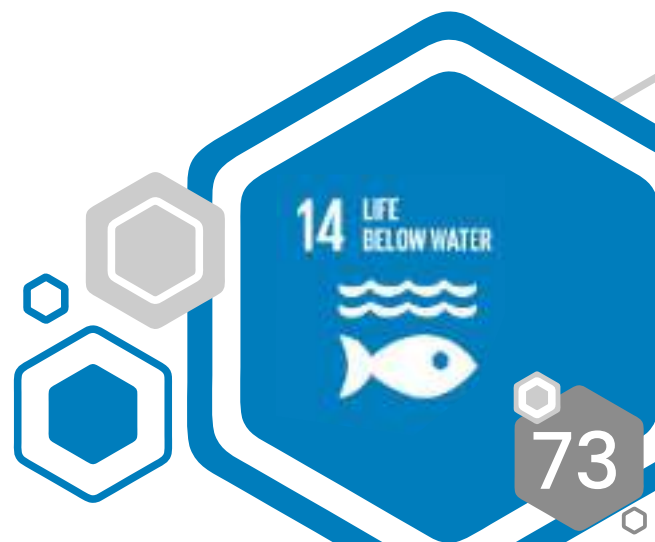
IPB University through PPLH monitors the health of river water ecosystems in 5 rivers in DKI Jakarta. The monitoring locations cover five administrative areas, namely East Jakarta, South Jakarta, West Jakarta, North Jakarta, and Central Jakarta, which are traversed by five watersheds, namely Ciliwung, Sunter, Angke-Pesanggrahan, Cakung, and Sentiong. Monitoring activities were carried out at 120 monitoring points in 23 river networks namely Ciliwung River, Cipinang, Angke, Sekertaris, Sepak, Mookervart, Grogol, Sunter, Krukut, Cengkareng, Buaran, Petukangan, Jati Kramat, West Kalibaru, East Kalibaru, East Canal, Cakung, Cideng, Mampang, West Tarum, Kamal, Pesanggrahan, and Blencong. DKI Jakarta Province is traversed by several rivers that empties into Jakarta Bay, this system is partly upstream in West Java Province and Banten Province. For more information about the programs, please visit these links:

Monitoring the health of aquatic ecosystem in Jakarta.

B. IPB University Signed a Collaboration Agreement with PT Krakatau Tirta Industri (KTI)

On August 2022, IPB University signed a collaboration agreement about watershed management with PT Krakatau Tirta Industri (KTI). In this document, IPB University agreed to support KTI's social and environmental contribution planning.

Collaboration with PT Krakatau Tirta Industri



15 LIFE ON LAND



Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

1. Supporting Land Ecosystems Through Education

A. Bogor Go Green 7

Bogor Go Green 7 is a program from Bogor Regency Government, IPB University, and Sadulur Raya Community. This program aligns with the economically feasible, socially acceptable, environmentally sustainable green development principles. For more information:

Bogor Go Green 7



C. Fire Behavior Analysts Training

IPB University collaborated with the France Embassy and The Civil Protection Regional Expert held a fire behavior analyst training. This training was attended by several Asian countries and was held for several days. On the second day of this training, the participants were educated about forest fire patterns, etc. For more information:

Fire Behavior Analyst Training

D. Planting Trees in Campus Area

IPB University and United Tractors (UT) collaborated on a biodiversity program to reduce carbon emissions by planting 15,000 trees on 20 hectares of land in the IPB University Forest Park. There are seven types of trees planted namely Meranti, Honey Jackfruit, Guava, Matoa, Rambutan Binjai, Kemang, and Red Guava. The seven types of plants were chosen because they have the ability to absorb high carbon and produce fruit that can improve the local community's economy. For more information:

Planting Trees in Campus Area



B. IPB University Researchers Encourage Rehabilitation of Degraded Natural Forests

IPB University Researchers Encourage Rehabilitation of Degraded Natural Forests

Professor Elias developed gap planting (tanam rumpang) technology in the silvicultural system of gap planting and gap cutting (tanam rumpang dan tebang rumpang (TRTR)). This innovation aims to increase the productivity and utilization of degraded natural forests, which also solves the problems of natural forest rehabilitation and land conflicts in the field. For more information:

Rehabilitation of Degraded Natural Forests

2. Sustainability Farmed Food on Campus

IPB is committed to providing food on campus that is sustainably farmed, as stated in the Rector Decree No.133/2020. IPB ensures that all canteens on campus use raw materials from sustainable agriculture and livestock and fishery activities that comply with animal ethics.

As a part of the green movement, IPB University provides and manages an ecolabelling canteen that is healthy, clean, and safe food. This eco-label is set on eco-friendly canteens, which require all products based on natural resources and ecosystem preservation. This is stated in the IPB Academic Paper and Implementation of IPB Green Campus 2019–2023. For more information, please visit this link:

[Ecolabelling Canteen Program](#)

3. Maintain and Extend Current Ecosystems Biodiversity

IPB University directly maintains ecosystems and their biodiversity of flora/fauna, especially ecosystems under threat. Scientific studies, reports, and actions have carried out many activities to reduce biodiversity loss and maintain ecosystem function. Those activities have collaborated with relevant stakeholders.

A. Fauna Conservation Union (UKF) IPB University Held a Global Expedition Seminar 2022

Global Expedition is one of the annual events of UKF IPB University. In 2022, 39 IPB University students conducted an expedition in Ujung Kulon National Park to map endangered animals, list the fauna diversity, and identify the effects of tourism on the community's welfare in Ujung Kulon National Park. Then, this expedition is made into a seminar with the theme "Sudung Utopis Satwa Langka" ("The Real Home for The Wildlife"). For more information:

[Global Expedition Seminar 2022](#)



B. Collaborated with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

PPLH (Environment Research Center) IPB University and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH held a workshop about Lore Lindu Biosphere Reserve's high-value conservation. This workshop will result in recommendations for sustainable commodities and will be used to develop and implement local government policies in Central Sulawesi.

[Lore Lindu Biosphere Reserve's High-value conservation Workshop](#)



C. IPB University Develops 2 Genetic Technologies for Rare and Endangered Animals

IPB University will develop Assisted Reproductive Technology (ART) and Bio-bank to conserve rare and endangered animals. The Ministry of Environment and Forestry will also support these innovations. For more information:

[ATP and Bio-Bank](#)



4. Education Programmes on Ecosystems

IPB University offers various educational programs on ecosystems for local, national, and international communities with interesting and beautiful scenes. Those educational programs are conducted inside and outside campus, such as identifying medicinal plants, visiting insect gardens, observing different kinds of animals, and other interesting programs.

A. Forestry and Environment Summer Course

The Faculty of Forestry and Environment, IPB University (IPB), together with Perhutani, organized an International Summer Course on Forestry and Environment in 2022 with the theme "Sustainable Forest & Environment Management in the New Normal Era: Conservation, Biodiversity, and Culture". For more information, please click and access the link below:

[Forestry and Environment Summer Course](#)

B. Conservation Program

Primate Animal Study Center IPB University educated the local community in Cikiruh Wetan, Banten, to conserve their ecosystem. This program was held at a semi-natural breeding facility for long-tailed monkeys (*Macaca fascicularis*) on Tinjil Island, Banten. For more information:

[Conservation Program](#)



C. Agribusiness and Technology Park-IPB

The agrotourism visit is an educational package introducing the horticultural agribusiness management model carried out by Agribusiness and Technology Park IPB. Various packages are offered, ranging from walking and identifying species in the garden to practicing cultivating plants directly. It also provides training for actors and prospective agribusiness actors or personnel, directly and indirectly, related to agribusiness activities. For more information, please access the link below:

[Agribusiness and Technology Park-IPB](#)



D. Agroedutourism (AET) IPB, Interesting Educational Agricultural Tourism

Agroedutourism programs (AET) are provided for the public. Educational programs are available in Biopharmaceutical Medicinal Plant Installation Garden, Insect Garden, and Cikabayan Garden, etc. for more information:

[AET Educational Programs](#)



Research in Number

 **540** Scholarly Output in 2020-2022

 **104** FWCI in 2020-2022

 **1,904** citation count in 2020-2022

13.31% of all Indonesian Scholarly output

1.43% of all Indonesian Citation count

5. Monitoring IUCN and Other Conservation Species

IPB University complies with international conventions and national regulations regarding monitoring and protecting IUCN red-listed and nationally listed protected species, especially related to IPB University activities. IPB University has an Occupational and Environmental Health and Safety Management System (SMK3L) to protect flora and fauna species in areas affected by the operation of activities.

We also monitor and conserve our biodiversity in the campus area through Biodiversity Campus Policy since 2011, as stated in IPB University's Policy of Biodiversity's Innovation for Eco-Edutourism. The biodiversity monitoring has been conducted in the campus area for the last 20 years. The monitoring covered habitat types, a list of species, and the distribution of all taxa, including mammals, birds, amphibians, reptiles, butterflies, and plants. The long-term biodiversity monitoring has produced a comprehensive data set and a list of flora and fauna in the campus area that is updated annually. A total of 10 species of mammals, 49 species of birds, 8 species of amphibians, 15 species of reptiles, 128 species of butterflies, 173 species of woody plants, 40 species of bamboo, and at least 127 species of medicinal plants have been recorded in IPB University Dramaga campus area. More information can be read here:

Occupational and Environmental Health and Safety Management System (SMK3L)

IPB's Fauna Monitoring

IPB University's School of Veterinary and Biomedical Medicine (SKHB) will build an Assisted Reproductive Technology (ART) laboratory and Bio-Bank. The facility will later be used for the Sumatran Rhinoceros (*Dicerorhinus sumatrensis*) and other endangered wildlife in Indonesia. The technology applications are used through two methods. First, cryopreservation technology stores genetic resources such as sperm, fibroblast cells, stem cells, and embryos. The second method is assisted reproductive technology for the Sumatran rhino propagation program. The presence of the ART laboratory and the Bio-Bank will also prevent artificial reproductive failures from occurring. Bio-banks can help maintain the availability of germplasm so that the efforts to save endangered species that are almost extinct can be carried out. For more information, click the link below:

Assisted Reproductive Technology and Bio-Bank IPB

6. Collaboration for Shared Land Ecosystem

IPB university as a body collaborates with the local community in efforts to maintain shared land ecosystems:

A. IPB University collaborates with local communities in the Gunung Walat area to maintain water sources through planting trees activity. Local communities have greatly contributed to maintaining the forest in good condition, and there appeared at least seven water springs that flow the whole year, fulfilling the needs of local people and irrigating agricultural lands/wetland paddy fields. Preventing logging and thinning activities in GWUF allows the structure of the forest to develop, resembling that of a natural forest (close to a natural forest). More information can be read here:

Planting Trees with Community

B. IPB University collaborated with Kedai Kopi from Indonesian Peatland and Mangrove Restoration Agency (Badan Restorasi Gambut dan Mangrove (BRGM)). IPB University applied innovation to support the green and blue economy through local based business. For more information:

Peatland and Mangrove Restoration

C. The Faculty of Forestry and Environment (Fahutan) IPB University initiated the construction of Campus Forest Park. Campus Forest Park is in the Cikabayan block, Dramaga Campus of IPB University, Bogor. In 2018, we started step by step the construction of the Campus Forest Park by inviting several parties to participate. Such as students, educators, and private parties with Corporate Social Responsibility (CSR) funds. Campus Forest Park is not only beneficial for students or researchers but also for the community in general as a means of direct learning about conservation and how environmental service management can develop and benefit.

We have numerous strong partnerships with other academic institutions, national and regional governments, NGOs, and private ones. These partnerships are important to constructing, maintaining, and implementing knowledge to support the sustainable use of land ecosystems (terrestrial and forest, combat desertification, halt and reverse land degradation, and halt biodiversity loss). Learn more about the various centers, institutes, and initiatives that are central to our research programs.



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective accountable and inclusive institutions at all levels

1. Elected Representation

IPB university has elective representation (the Board of Trustees), namely Majelis Wali Amanat (MWA), the highest body at the University. According to the MWA Decree of IPB University no. 09/WMA-IPB/P/2021 concerning organizational structure and governance, MWA has 17 members consisting of representatives of various stakeholders, including The Ministry of Education, the Rector, the Academic Senate representing faculty members (8 people), the chief of staff organization, the president of the student organization, the chief of the alumni association, and representation of society (4 people).

2. Student's Union

IPB University has 119 student organizations as a forum for students in democratic learning related to the academic environment, student affairs, etc. Each faculty, department, and the university has a students' union consisting of the Student Consultative Assembly (MPM), the Student Representative Council (DPM), the Student Executive Board (BEM), the Undergraduate Students' Professional Association, the Vocational Professional Association, Student Activity Units (UKM), and Postgraduate Student Community (Forum Wacana). Students' union is regulated in the Rector's Regulation No.19/IT3/KM/2018.

Please visit these links for detailed information:

[Rector's Regulation No.19/IT3/KM/2018](#)

[Rector Decree No. 57 of 2022 concerning the intra-campus student organization](#)

[Inauguration of intra-campus student organizations](#)

3. Identify and Engage with Local Stakeholders

IPB University formulated policies and procedures to identify stakeholders and aims to build strong engagement with them, as written in IPB Statute Article 38-39, which specify collaboration in academics and non-academic affairs. In more detail, this collaboration is regulated through MWA Regulation No. 11/IT3.MWA/PR/2018 concerning Non-Academic Collaboration (Kerjasama Non-Akademik). Through this policy, IPB specifies the scope of non-academic collaboration, establishes the criteria of partner candidates that must be assessed, and specifies the implementation procedure. More detailed information about IPB Statute can be read here:

[IPB Statute](#)

Research in Number

60

Scholarly Output
in 2020-2022

99

FWCI
in 2020-2022

153

citation count
in 2020-2022

2.11%

of all Indonesian
Scholarly output

1.43%

of all Indonesian
Citation count



4. Participatory Bodies for Stakeholder Engagement

IPB University ensures that local stakeholders in the university, including residents, local government, and civil society representatives, have a meaningful mechanism for university decision-making. The engagement of stakeholders is manifested in the structure of the Board of the Trustees IPB University, such as Lecturer Representatives, Community Representatives, and Student Representatives.

IPB has a management unit for Community Services under the Institute of Research and Community Empowerment of IPB (LPPM). IPB also actively engages with the local government in Bogor. For example, in 2022, IPB University and the Local Government of Bogor reopen Sekolah Pemerintahan Desa to implement good governance. More information can be read here:

[Sekolah Pemerintahan Desa](#)

5. University Principles on Corruption and Bribery

IPB has a policy on organized crime as stated in Senate Academic Regulations No. 33/SA-IPB/P/2019. To build integrity, one of the university values, IPB University spreads the spirit of anti-corruption among the academic community. IPB University formed Anti-Corruption Working Group as stated in the Rector's Decree No. 75 of 2022 to arrange and carry out anti-corruption programs, internalized anti-corruption values to students, lecturers, and staff. For more information:

[Senate Academic Regulations No. 33/SA-IPB/P/2019](#)
[Rector's Decree No. 75 of 2022](#)

In 2022, IPB University became the first and only university to be implemented a pilot project about anti-corruption education from Indonesia's Corruption Eradication Commission (KPK). This project aims not only to educate the students and staffs, but also to build a strong anti-corruption environment in the campus. For more information:

[Anti-Corruption Education \(Pilot Project\)](#)

6. Academic Freedom Policy

IPB has the policy to support academic freedom through Academic Senate Regulation No. 28/SA-IPB/P/2018 concerning Norms, Academic Freedom, and Scientific Otonomy. Through the policy, IPB specifies the scope of academic freedom, including teaching, research, and community empowerment. This regulation is valid for all faculty members, regardless of their ages, as well as staff and students. The policy also stated various areas or forums in which academic freedom is ensured and respected. For more information:

Academic Senate Regulation No. 28/SA-IPB/P/2018

7. Working with Government

IPB University actively provides advice and inputs for policy-making made by the local, regional, and national governments in agriculture, marine, and biosciences. The following are several examples of expert advice delivered to the regional and national governments in 2022.

A. Specific expert advice to the national government

- IPB University helps and gives recommendations to prevent and treat the foot and mouth disease (Penyakit Mulut dan Kuku (PMK)) to the national government. IPB encourages the government to conduct a Public Private Partnership to overcome foot and mouth disease (FMD). This recommendation attempts to include all parties, especially the industry, in jointly combating FMD. More detail information can be read here:

IPB Recommendations for Foot and Mouth Disease



- IPB University Board of Professors provide policy recommendations to anticipate food price spikes for 3 commodities (cooking oil, soybean, and beef). IPB University professors recommend the government to provide a quick response to ensure the public can reach the price of cooking oil. The professors also recommend the target import to domestic soybean production ratio must be established by the government and then included in a flowchart for achieving higher production. More information can be read here:

IPB Policy Recommendation to Anticipate Food Price Spikes

- Experts from IPB University recommend tobacco products excise policy to The House of Representatives State Financial Accountability Board. IPB University professor explained that tobacco is one of the agricultural products with high biomass, so other products besides cigarettes can be created. For more information:

IPB Recommendations about Tobacco Products Excise Policy



B. Specific expert advice to regional government

- IPB University Gives Alternatives Reservoirs Management in DKI Jakarta**
- IPB Recommends Management and Monitoring Model for the High Conservation Value/High Carbon Stock**



8. Neutral Platform to Discuss Issues

IPB Strategic Talks is a neutral platform and safe space for political stakeholders to discuss challenges. Various topics on policies related to agriculture, marine, and biosciences have been discussed among various stakeholders, including academicians, government, and political stakeholders. IPB Strategic Talks is organized regularly by the Directorate of Strategic Studies and Academic Reputation.



9. Policy and Lawmakers Outreach and Education

IPB University maintains activities for providing general education, upskilling, and capacity-building for policymakers at various levels in agriculture, marine, and biosciences:

- **BRC Global Standard for Food Safety Issue**
- **BNSP Certification and HACCP Drafting**
- **Regular course of Biodiversity Flora dan Fauna High Conservation Value (HCV)**
- **Village Government School**



17 PARTNERSHIPS FOR THE GOALS



Strengthen the means of implementation and revitalize the global partnership for sustainable development

1. Relationships with Regional NGOs & Gov for SDG Policy

As an attempt to accomplish SDG's goal, IPB University has direct partners with national and regional government, non-government organizations, and civil society to develop SDG policy development – including identifying problems and challenges, developing policies and strategies, modeling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management:

A. IPB Experts' direct involvement in SDGs policy making

- Decree of the Central Java Governor No:523/18/2021 concerning Central Java demersal fisheries management working group 2020–2025.
- Decree of the Minister of Environment and Forestry No:SK.382/MenLHK/PHPL/HPL.1/6/2019 concerning Multi-Business Forestry Expert Team in Production Forest.
- Decision of the Chairman of the Commission on Biosafety of Genetically Engineered Products (KKH PRG) number: Kep-06/KKH PRG/10/2019 concerning changes in the composition of the technical team for biosafety of genetically engineered products (TTKH PRG).
- Development of [Voluntary Guidelines on Vegetable Oils](#) in Support of Sustainable Development Goals (SDGs)

2. International Collaboration for SDGs

IPB University has done a number of research on SDGs which were conducted under international collaboration. This research has collected and measured data, which are important inputs in formulating solutions/interventions. Some of the international collaborations are multi-year and even long-term.

A. Development of Dairy Farming in Indonesia

This activity is a collaboration between IPB University and Wageningen University & Research and part of the Smart-in-Agriculture (Smart-in-Agr) research collaboration program, INREF. The aim is to increase milk production, animal health, and smart farming applications on dairy farms in Indonesia.

IPB University and WUR develops dairy farming in Indonesia



B. Collaboration in Research and Education

IPB University with KU Leuven Belgium collaborated in the Double Degree master program in Social Security. Also, both universities are conducting research related to sustainability certification.. For more information:

IPB University and KU Leuven Belgium



C. Formulation of Indonesia's 3rd Biennial Update Report to the United Framework Convention on Climate Change (UNFCCC)

Compile BUR documents, including updating national Greenhouse Gas Inventory (GHG) data, reporting mitigation actions and their emission reduction impacts, outlining the support needed and received for mitigation activities, and elaborating national piloting, monitoring and verification (MRV) activities.

3. Education for The SDGs Commitment Meaningful Education

IPB University is strongly committed to delivering meaningful education around the SDGs as it is closely related to the core mandate of the university to develop science and technology in tropical agriculture, ocean, and biosciences. Sustainable development has become a key point in the curriculum development of IPB University, and it gets more emphasis in the new curriculum developed in 2020 (K-2020). Here is a list of study programs at IPB University and some examples of syllabi provided by several study programs.

- Study programs at IPB University
- Some examples of SDGs-related curriculum
- KKN-Tematik IPB



4. Seminars

IPB University organizes regular seminars that students and the public can attend. Many of these seminars have SDG topics and have become a medium to educate students and the public on SDGs. Here are several seminars organized by the Graduate School of IPB in collaboration with the Center for Transdisciplinary and Sustainability Science (CTSS) and the Directorate of Strategic Studies and Academic Reputation.

A. Bimonthly Talk on SDGs

Center for Transdisciplinary and Sustainability Science (CTSS) IPB University appointed to be IPB SDGs Network. As IPB SDGs Network, CTSS is responsible for disseminating IPB's SDGs actions and programs. **Bimonthly Talk on SDGs** is one of the programs from CTSS that is made to discuss and exchange ideas about SDGs with experts. Some of the topics from this program are the sciences of SDGs and sustainable financing in the agricultural sector. This discussion series is held once a month.

B. IPB Strategic Talks

Strategic Talks is a neutral platform and safe space for political stakeholders to discuss challenges. Various topics on agriculture, marine, and biosciences policies have been discussed among various stakeholders, including academicians, government, and political stakeholders. IPB Strategic Talks is organized regularly by the Directorate of Strategic Studies and Academic Reputation.



3. Education for SDGs Specific Courses on Sustainability

IPB University is mandated to develop science in agriculture, ocean, and biosciences, which has strong relevance to sustainability and SDGs. IPB, through its Graduate School, has a master's and doctoral program in Environment and Natural Resource Management. For undergraduate, first-year students have been introduced to sustainability-related subjects as part of their Common Core Courses (CCR), such as Innovative Agriculture, Land in Agriculture – Environment Nexus, Forestry, and Environmental Ethics, Conservation of Environment and Bioresources. More information can be read here:

Common Core Courses (Page 3-4 and description in page 8, 15-17)

Master Program

Doctoral Program



ID	COURSE NAME	SDGs	LEVEL
PSL50B	Natural Resources and Enviromental Laws and Policies	SDG 15, SDG 16	Master
PSL621	Enviromental Pollution and Health mpact	SDG 3, SDG 6	Master
PSL625	Climate Change and Disaster Risk Management	SDG 13, SDG 17	Master
PSL631	Agro-Maritime Biodiversity and Sustainable Food System	SDG 2, SDG 15	Master
PSL632	New and Renewable Energy of Agro-Maritime Resources	SDG 7, SDG 2	Master
PSL635	Green Consumption and Hygiene Sanitation	SDG 12, SDG 6	Master
PSL761	Global Enviromental Change and Disaster Mitigation	SDG 15, SDG 14	Doctoral
PSL672	Ecology of Resources and Enviroment in Tropical Forest	SDG 15, SDG	Doctoral



4. Education for SDGs in The Wider Community

IPB University actively conducts outreach educational activities for the wider community, including local people, alumni, and displaced people. This is part of the University Tridharma. These activities are implemented at various scales with various topics according to core competence developed by faculties and study programs. The followings are several outreach educational activities implemented this year:

A. CARE IPB University Launches Sekolah Sampah Mandiri in Bekasi Regency

This program aims to build the community's self-reliance in waste management and to increase the community's environmental awareness. This program collaborated with some stakeholders, including the government, university, business, and community.

B. IPB Stunting Care

IPB Stunting Care is one of The Institute for Research and Community Service (LPPM) IPB University programs to give family education, especially for families with children under 3 years old. This program aimed to improve family capacity in children's health care, ideal pregnancy planning, and family financial management. With the support of the local government, IPB Stunting Care has already been implemented in Situ Gede Village, Bogor, and consists of 8 meetings.



17 PARTNERSHIPS FOR THE GOALS



