



IPB University
— Bogor Indonesia —



SUSTAINABLE
DEVELOPMENT
GOALS



IPB UNIVERSITY
SUSTAINABILITY DEVELOPMENT GOALS

SDGs Report 2023

GLOSSARY



H

HIMPRO TGC : Himpunan Profesi Tree Grower Community (Tree Grower Community Professional Organization)

I

IUCN : International Union for Conservation of Nature

K

Karhutla : Kebakaran Hutan dan Lahan (Forest and Land Fires)

T

Taman Kehati : Taman Keanekaragaman Hayati (Biodiversity Park)

U

UKF : Uni Konservasi Fauna (Fauna Conservation Union)

Y

YACT : The Youth Agricarture

Z

Zenergy : Zero Generation Synergy

Book Titles:

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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 Learning Program

IPB University committed to providing **high-quality education** with a focus on sustainable terrestrial ecosystem management, supporting SDG 15. The university contributes through 9 Vocational School programs and 5 of its 9 Faculties at the Undergraduate and Postgraduate levels, with 69 study programs directly supporting terrestrial life. Among these, 15 programs focus on sustainable forestry, 11 in soil science and land resources, 11 in biodiversity, and 32 in sustainable agriculture.

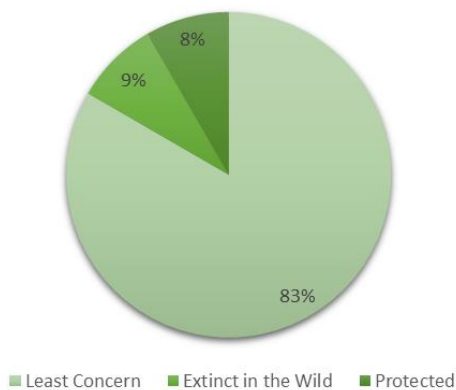
The IPB University community participates in diverse learning activities beyond lectures, with at least 46 programs specifically supporting SDG 15: Life on Land, including **Summer Course on Sumatran Rhino conservation**, a seminar on energy transition, **Training on landscape management and conservation** and the **Sustainable Tropical Forest Management Conference**.



2 Research and Innovation

IPB University's Research Centers are advancing the Sustainable Development Goals (SDGs) through impactful research and sustainable innovations. Key initiatives supporting SDG 15 include the **Agricultural Estate Community in Lampung, The Geo Blue Planet Symposium, Mangrove Ecosystem Restoration Efforts**, and **environmental studies with PT PGN**, each **promoting sustainable environmental practices**. Additional projects include the development of a strategy for sustainable agriculture, the **Sekolah Peternakan Rakyat program** to support local livestock farmers, and innovations i.e. **Green Fashion Palm Oil**, which uses palm oil waste for eco-friendly textiles, and **IPB Prima-Cassava**, enhancing cassava sustainability and soil health. IPB also leads in setting **environmental assessment standards** for Indonesia's new capital to ensure responsible development, aligning with national sustainability goals.

Status of Biodiversity type Plant and Conservation Status



In **biodiversity conservation**, efforts in Gunung Puntang, Bandung, show a slight decrease in herbaceous species but a higher diversity index, with notable findings of 45 medicinal plants, increased herpetofauna diversity, and 20 bird species, including the protected *Falco moluccensis*, highlighting the ecological importance of continued conservation efforts. The **Social Conservation Program** held by UKF supported the Raharja Tourism Awareness Group in raptor migration and identification, recording 25 bird species and 3 mammals, including endangered species.

Research in number



363 scholarly output in 2019–2023



486 FWCI in 2019–2023



4300 citation count in 2019–2023

9.54% of all Indonesian citation count

6.28% of all Indonesian scholarly output

3 Campus Operation

IPB University operates several key facilities to enhance education, research, and environmental conservation. The 14-hectare **Biodiversity Park (Kehati) and Telaga Inspirasi**, developed in collaboration with Danone Indonesia, aims to conserve endangered local flora and fauna while promoting environmental awareness; it houses rare species, including peacocks and kestrels, and provides clean water to 30,000 campus members.

The Faculty of Animal Science features field laboratories covering 10 hectares on campus and 169 hectares in Jonggol, focused on livestock research and sustainable agriculture practices. **The Campus Forest Park (Hutan Cikabayan)** spans 20 hectares, rich in woody plant species, and **the Arboretum**, established in 1968, showcases over 40-meter tall trees and diverse wildlife. Together, these facilities reflect IPB University's commitment to sustainable development, ecological restoration, and community engagement.

4 Community Engagement

IPB University is actively engaging students in various environmental initiatives to address pressing ecological issues. **The Zero Generation Synergy (Zenergy)** project enhances youth involvement through participatory education, collaborating with SMAN 1 Cisarua to promote environmental awareness.

The rare **Lutung Sentarum** monkey is being protected through a collaborative research agreement between IPB University and Danau Sentarum National Park, focusing on bioecological studies and DNA testing to gather crucial conservation data. In another initiative, the **Tree Grower Community (Himpro TGC)** planted 300 Balsa seedlings at the Jasinga Silviculture Teaching Industry, emphasizing the importance of forest conservation.

Students also revitalized a village greenhouse in Banyuresmi, Bogor, implementing an aquaponic sustainable farming system that enables eco-friendly food production. Lastly, the Faculty of Forestry and Environmental Science recognized local efforts in the **Clean Air Program and forest fire management (Karhutla)**, highlighting the significance of community engagement and effective practices in mitigating environmental challenges.



5 Student Activities

Students from IPB University participating in the Innovation Real-Thematic Work Lecture (KKN-T) revitalized a **greenhouse** in Banyuresmi, implementing an aquaponic farming system that allows for simultaneous fish and plant production while efficiently recycling water, enabling the community to grow fresh food sustainably.



The Youth Agriculture (YACT) program engaged high school students in Bogor with themes focused on environmental management and pollution awareness, complemented by interactive workshops. Additionally, **forestry counseling** sessions were conducted to enhance understanding of forestry and environmental conservation among high school students. **The Racana Scout** group organized an expedition and clean-up operation at Kawah Ratu, where participants collected waste along the route to Gunung Halimun Salak National Park, reflecting their commitment to environmental stewardship.