

# SDG Accord Reporting 2021 CASE STUDY



**IPB University**  
— Bogor Indonesia —

## The SDG Accord

*The University and College Sector's Collective Response to the Global Goals*

### Integration of SDGs in

- Institutional governance/strategic level
- SDGs in research
- SDGs in campus operations**
- SDGs in curriculum development
- SDGs in student engagement activities
- SDGs into community activities
- SDGs at a whole-institution level

### Focus on

- Goal 1 - No poverty
- Goal 2 - Zero hunger
- Goal 3 - Good health and wellbeing
- Goal 4 - Quality education
- Goal 5 - Gender equality
- Goal 6 - Clean water and sanitation
- Goal 7 - Affordable and clean energy
- Goal 8 - Decent work and economic growth
- Goal 9 - Industry, innovation and infrastructure
- Goal 10 - Reduced inequalities
- Goal 11 - Sustainable cities and communities
- Goal 12 - Responsible consumption and production
- Goal 13 - Climate action
- Goal 14 - Life below water
- Goal 15 - Life on land**
- Goal 16 - Peace, justice and strong institutions
- Goal 17 - Partnerships for the goals

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## Theme: IPB University as a biodiversity campus

In 2000, an intensive study of biodiversity was carried out on the IPB campus, including mammals, birds, amphibians, reptiles, butterflies, and plants. As a result, several species has been identified: 1) Mammals 22 species, 2) Birds 99 species, 3) Amphibians 12 species, 4) Reptiles 38 species, 5) Butterflies 128 species, 6) Plants 173 species, 7) Bamboo, 40 species, and 8) Medicinal plants 127 species. As the university's commitment to biodiversity, IPB University was declared as Biodiversity Campus at the World Biodiversity Day, May 22, 2011.

As a biodiversity campus with a green open space area of more than 2/3, IPB has several types of habitats, namely: Lake and swamp, Grasslands, Several Arboretums, Campus Forest Park Cikabayan, Biopharmaca medicinal plants collection, Oil palm plantations, Agronomy experimental gardens, Field Lab of the Faculty of Animal Husbandry and Veterinary Medicine, Bamboo Arboretum, and breeding Center for rare plants.

IPB campus biodiversity is one of the pillars of green campus program. All these green open spaces and biodiversity play an essential role in maintaining the macro and microclimate.

IPB has the responsibility to maintain biodiversity, including the cultural wisdom of each academic community. Every activity on campus refers to the Code of Ethics for the Biodiversity Campus, namely:

1. Making the IPB Biodiversity Campus a place of learning for the nation generation;
2. Building campus-based biodiversity conservation as an integral part of development goals;
3. Prioritizing scientific mastery, cultural wisdom, and biodiversity preservation;
4. Caring for every form of damage and increasing biodiversity, and
5. Disseminating the image and example of the campus of biodiversity in development activities outside the campus.

In 2020 IPB University develop sustainable ethics, which contribute to enhance campus biodiversity.

## BENEFITS

The benefits of implementing the biodiversity campus are:

1. Biodiversity and green open space make the IPB campus a place for environmental learning and conservation. Biodiversity is an invaluable learning and study material for the academic community, especially in biology, ecology, botany, zoology, entomology, and climate parameters;
2. With high biodiversity, IPB Campus can be developed into eco-edutourism/biodiversityedutourism, agro-edutourism, out-bonding, birdwatching, and green/picture hunting, and
3. With a green campus environment, physical and mental health will be healthy, the crime rate is less, so there will be positive multiplier effects.

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## BARRIERS

Some of the challenges faced are:

1. Updating data and routine monitoring so that data on biodiversity at the Dramaga IPB campus can continuously be updated;
2. Observation locations scattered throughout the IPB Dramaga area due to the high mobility of animals, especially birds, so that observations are not possible in only one place, and
3. Maintenance of diversity of animals and plants in the campus environment together with the IPB community.

Therefore, IPB has made socialization and movement to actively implement the five pillars of the IPB green campus sustainably. The five pillars of IPB's green campus namely: 1. Maintain biodiversity and green open areas, including water catchment areas; 2. manage waste appropriately; 3. Save water use; 4. Save energy/electricity use, and 5. Campus transportation that environmentally friendly.

The biodiversity campus is a supporting system for the continuation of the green campus. In addition, IPB has also consistently encouraged research and scientific publications on campus biodiversity and socializing and disseminating biodiversity in the campus environment and off-campus communities (increasing people awareness).



**Description:** An example of biodiversity in IPB is a population of snake varieties *Cryptelytrops albolabris*. **Source:** Photo of Abdul Haris Mustari, as Author of the IPB Book as a Biodiversity Campus ([https://drive.google.com/file/d/15G3\\_J0neE0fvPk7WWWbWNWxbmY73Jrae/view?usp=sharing](https://drive.google.com/file/d/15G3_J0neE0fvPk7WWWbWNWxbmY73Jrae/view?usp=sharing))



**Description:** An example of biodiversity in IPB is a population of frog species (*Hylarana erythraea*). **Source:** Photo of Abdul Haris Mustari (Author of the IPB Book as a Biodiversity Campus), Department of Forest Resources Conservation and Ecotourism IPB ([https://drive.google.com/file/d/15G3\\_J0neE0fvPk7WWWbWNWxbmY73Jrae/view?usp=sharing](https://drive.google.com/file/d/15G3_J0neE0fvPk7WWWbWNWxbmY73Jrae/view?usp=sharing))

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## CONCLUSIONS

IPB University, as a biodiversity campus, has committed and supported SDGs in goal number 15, "Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss." The implementation of the biodiversity campus also protects various ecosystems and various biodiversity on campus.

It also presents a campus environment that is always green and beautiful. There are lakes and swamps and springs, multiple habitats for flora and fauna, so the campus environment feels gorgeous and comfortable. Thus, the green campus atmosphere will produce educated young generations and lecturers full of achievements and innovations. People outside the campus will also be able to feel the benefits (excellent and comfortable air).