



**IPB University**  
— Bogor Indonesia —



**SUSTAINABLE  
DEVELOPMENT  
GOALS**



IPB UNIVERSITY  
**SUSTAINABILITY DEVELOPMENT GOALS**

SDGs Report 2023

## **Book Titles:**

SDGs Report 2023

## **Contributors:**

Bunga Anggraeny

Dhita Widhiastika

Dinda Nur Haliza

Dion Naldiza Giovano Alfi

Dodi Wahyudi

Eny Widiya Astuti

Intan Kusumastuti Nugraheni

Mas Taufiqqurrahman

Maya Shofiah

Muh Firmansyah

M Sulaiman Daulai

Nabilah Zulfah Ramadhani

Nadiyah Rasyidah

Ninda Riska Amiati

Rayvaldo Prabu Arya Aviantara

Saffanah Silmi Zhahirah

Septian Hadi Nugraha

Sultansyah Rahman Riyadhhi Simbala

Ulfa Ulinuha

## **Design and Cover:**

Rayvaldo Prabu Arya Aviantara



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

Gedung LSI 1 Floor Jalan Kamper,  
IPB University Dramaga Campus, Bogor-Indonesia 16680  
Phone number: +6251-8624057 | E-mail: [dkasra@apps.ipb.ac.id](mailto:dkasra@apps.ipb.ac.id)  
Website: <https://sustainability.ipb.ac.id>

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# GLOSSARY



## B

Bappeda : Badan Perencanaan Pembangunan Daerah  
(Regional Planning Agency)

## C

CCMRS : Center for Coastal and Marine Resources  
Studies

## F

FOCUS : Fisherfolk Empowerment for Climate  
Resilience and Sustainability

## H

HIVOS : Yayasan Humanis dan Inovasi Sosial  
(Humanist and Social Innovation  
Foundation)

HIMITEKA : Himpunan Mahasiswa Ilmu dan Teknologi  
Kelautan (Marine Science and Technology  
Student Association)

## I

IKAN : Inisiatif Kolaborasi Pendataan Perikanan  
(Collaborative Fisheries Data Collection  
Initiative)

ICMS : International Conference on Marine Science

## K

KIARA : Koalisi Rakyat untuk Keadilan Perikanan  
(People's Coalition for Fisheries Justice)

# GLOSSARY



## N

NORAD : Norwegian Agency for Development Cooperation

## S

SCORES : School of Coral Reef Restoration

## T

THP : Teknologi Hasil Perairan (Aquatic Products Technology)

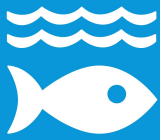
## U

UNESCO : The United Nations Educational, Scientific and Cultural Organization

## W

WALHI : Wahana Lingkungan Hidup Indonesia (Indonesian Forum for the Environment)





Conserve and sustainability use the oceans, seas, and marine resources, for sustainable development

## 1 Learning Program

Various educational programs designed to enhance students' understanding of the importance of preserving marine ecosystems and sustainable fisheries. Through its learning programs, the Department of **Aquatic Resource Management** offers courses like Basic Limno-oceanology, Ichthyology, and Tropical Marine Ecology, students are trained to become experts in the management and conservation of aquatic ecosystems, which is essential for maintaining ocean health.

In addition to academic activities, events like the **International Webinar on Marine Bioprospecting** held by the Department of Aquatic Products Technology provide a platform for students to explore the potential of marine organisms that have not been extensively researched. This initiative aims to enhance community welfare while addressing climate change challenges and preserving marine life. **The Indonesian Water Festival** and the **International Conference on Marine Science** also encourage students to discuss and exchange ideas on critical issues related to climate change and the management of marine resources.

Furthermore, the **Coral Reef Restoration School**, which offers student discussion about research developments in coral reef ecosystems in the Philippines, also supports efforts for marine resource conservation.



## 2 Research and Innovation

Research and innovation are essential pillars in supporting the sustainability of marine ecosystems and the management of fishery resources. One example is the **Fisheries Data Collaboration Initiative**, which involves community participation in the collection of fisheries data. This initiative not only strengthens the data foundation recognized by the government but also empowers local communities to contribute to the sustainable management of marine resources.



### 3 Campus Operation

IPB University has developed various facilities that support campus operations and contribute to the sustainability of marine resources. One important facility is the **Aquatic Center**, which serves as an educational pool to enhance competencies in diving and underwater robotics. With this center, students from the Faculty of Fisheries and Marine Sciences can participate in courses such as scientific diving and underwater observation, which deepen their understanding of marine ecosystems and the importance of conservation.



Other technological innovations, such as **Bait Boosters and Krendet Traps** introduced to fishing communities in Sukabumi Regency, also play a significant role in sustainably increasing fishery productivity. Another innovation introduced to fishermen in Madagascar is **FAD/Rumpon Portable**. Additionally, **Collaborative Research for Tropical Marine Biodiversity** conducted with Wageningen University demonstrates a commitment to addressing the challenges of tropical marine biodiversity.

In addition to the Aquatic Center, since 1996 the **Center for Coastal and Marine Resources Studies (CCMRS-IPB)** demonstrates IPB's commitment to research and development in the marine field. Through the merger of various research centers, CCMRS-IPB provides in-depth studies and more integrated coastal management. Additional facilities such as the **Marine Field Station** in Pelabuhan Ratu and the **Fish Ponds Field Station** in Babakan, Bogor Regency offer opportunities for hands-on practices in fish farming, including collaborations with private partners to produce value-added products.

#### Research in number

- 744** scholarly output in 2019-2023
- 826** FWCI in 2019-2023
- 5398** citation count in 2019-2023
- 14.9%** of all Indonesian citation count
- 11%** of all Indonesian scholarly output



## 4 Community Engagement

Community engagement is an integral part of efforts to achieve sustainability in marine resources. One example is the **Post-Cruise Training Series** supported by UNESCO and contributing to the UN Decade of Ocean Science for Sustainable Development. This program not only benefits participants directly but also plays a role in global efforts to protect ocean health.



In addition to training, the Center for Coastal and Marine Resources Studies (CCMRS-IPB) is conducting an integrated study to manage the conservation area of the **Gili Balu Aquatic Tourism Park** in West Sumbawa Regency. In collaboration with PT. AMMAN Mineral Nusa Tenggara, this research aims to provide baseline data and implementation plans to support integrated regional governance. CCMRS-IPB and the Regional Planning Agency (Bappeda) of Jepara Regency are also implementing a **Fisherfolk Empowerment Program**, involving various organizations such as Norad and WALHI, which contribute to enhancing the capacity of fishing communities.

## 5 Student Activities

Student activities play a crucial role in supporting the sustainability of marine resources. One example is the **Student Professional Training** organized by the Marine Science and Technology Student Association (Himiteka). This activity includes scientific diving training and coral transplantation in the Seribu Islands. Additionally, Himiteka contributes through the organization of the **Indonesia Marine Summit**, a conference that discusses the blue economy from the perspective of coastal resources. In addition, the **Aquatic Product Innovation Exhibition** held by the Department of Aquatic Product Technology demonstrates student involvement in creating fishery product innovations ready for commercialization. This activity focuses on developing environmentally friendly fishery product processing technologies.