

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: Telaga Inspirasi as an alternative for water conservation

Water is one of the most valuable resources that are very important for our life. However, human behaviour to use water are not appropriate, and it is contributed to water shortage. Therefore, it needs behaviour change among all of us to use water and conserve the water. The increasingly challenging problem of access to clean water has prompted IPB to create a Telaga Inspirasi on campus with an area of 2,137.70 m².

IPB collaborated with the Private sector to present Telaga Inspirasi, which functions as a water conservation pool and a biodiversity park to provide access to a clean water campus environment. The Telaga Inspirasi could play a role as a centre for education, inspiration and innovation for many parties, especially in efforts to provide access to clean water. "We hope that Telaga Inspirasi can become a means of education, recreation for the wider community and colleagues from IPB University, increasing public awareness so that it has a positive impact on public health and environmental sustainability," said Rector IPB University.

Apart from the function of water conservation, various types of fish are also maintained in Telaga Inspirasi. Telaga Inspirasi can be a water source for daily basis, such as drinking, bathing, and other purposes. Currently, the Telaga Inspirasi is sufficient for clean water needs for more than 30,000 IPB residents. Not only that, the land is neatly arranged, and road access is designed so that residents feel comfortable being actively involved in maintaining the ecosystem and water conservation efforts.

BENEFITS

Telaga Inspirasi has a significant role in water management and conservation at IPB, including:

1. Providing easy access to clean water, with the ability to meet the needs of clean water for more than 30,000 IPB residents;
2. Telaga Inspirasi is an alternative in protecting and securing water resources that are not located upstream. Moreover, currently, the carrying capacity of the environment in protecting water sources and their availability is increasingly limited;
3. In addition to the function of water conservation, Telaga Inspirasi also played a role in maintaining the diversity of germplasm around it. It indicated by various flora and fauna conserved around the Telaga Inspirasi, in different rare animals, such as Leopard cat (*Prionailurus bengalensis*), Garangan (*Herpestes javanicus*), Squirrel (*Tupaia javanica*), and *Callosciurus notatus*, and also different types of fish cultivated in the lake. Meanwhile, the flora planted includes paprika trees (*Capsicum annum*), walnut trees, rubber trees, and rubber trees varieties Kebo (*Ficus elastica*), various bamboo and mahoni trees (*Swietenia mahagoni* and *Swietenia macrophylla*).

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BARRIERS

One of the challenges of implementing the Telaga Inspirasi of IPB to conserve water on campus is the lake's maintenance. Because this lake is a human-made product, routine and measured maintenance efforts are required, so it requires a lot of money and effort. Therefore, IPB, through the Directorate of Infrastructure, Facilities and Security for the Campus Environment (DPSPL), is seriously carrying out maintenance of the Telaga Inspirasi in a sustainable manner, one of which is by cultivating various types of fish.

Not only that, but IPB also conducts routine checks on water channels in the lake so that there are no disturbances in water flow. On the other hand, dredging is also carried out regularly to minimize sedimentation and erosion around the Telaga Inspirasi of IPB. IPB, as an institution, has also collaborated with PT Nutricia Indonesia Sejahtera to support the maintenance costs of Telaga Inspirasi mutually.



Description: IPB Ambassadors feed various types of fish raised in Telaga Inspirasi.

Source: Directorate of Infrastructure, Facilities and Security for the Campus Environment (DPSPL) IPB
(<https://dpspl.ipb.ac.id/wp-content/uploads/2020/12/WhatsApp-Image-2020-12-17-at-13.16.13-1-1024x575.jpg>)



Description: Telaga Inspirasi landscape consists of several trees around it, such as the paprika trees (*Capsicum annum*), walnut trees, rubber trees, and rubber trees varieties kebo (*Ficus elastica*), various bamboo and mahoni trees (*Swietenia mahagoni* and *Swietenia macrophylla*).

Source: IPB University documents
(<https://www.kompas.com/edu/read/2021/03/17/140000171/ipb-dan-danone-indonesia-resmikantaman-kehati-telaga-inspirasi-bogor?page=all>)

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CONCLUSIONS

Telaga Inspirasi of IPB University plays an essential role in water conservation and ensures adequate access to clean water for more than 30 thousand IPB residents. The Telaga Inspirasi is an effort of IPB's commitment to realizing the sustainability of clean water supply on campus.

Telaga Inspirasi, which is part of Taman Kehati (Biodiversity), also functions as a laboratory for local and rare plants, a centre for biodiversity research by the IPB academic community, and the broader community on the campus.

This effort is made by improving the environment's quality to create a healthy campus environment and a conducive learning environment sustainably. In the next stage, IPB needs to continue to maintain commitment and develop innovations in the management of Telaga Inspirasi on campus based on environmentally friendly and sustainable technology. The impact and the number of people who feel the positive implications are getting and bigger.