

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: Climate smart actions “Saung Iklim” for smallholder farmers

Saung Iklim (literally: Climate Cabin) innovation provides a forum for developing (rice) farmers' competencies through web-based interactive media, specifically to improve their literacy on climatic change, and capability to make appropriate predictions of planting time by considering land, water availability, and general agricultural management according to specific climatic condition in their territory.

The Climate Cabin's feature includes a learning/training package for farmers on extreme climate impacts to agricultural production, equipped with interactive hardware that can be used in the field to analyse the regional rainfall information and estimate the crop production output at various extreme climatic conditions.

BENEFITS

There are several advantages and benefits of this Saung Iklim innovation:

1. In an integrated manner, provide rice for farmers with various information services related to climate change in their area;
2. Providing information and learning/training packages on how to anticipate climate impacts on their crops (rice), and
3. Providing interactive hardware that is useful for use in the field for analyzing climate information and predicting crop (rice) production under various climatic conditions.

BARRIERS

In the development of Saung Iklim innovation, there are several challenges faced, namely:

1. Patent Status of this innovation, which has not been registered. However, this has begun to be done by preparing several supporting documents, and
2. It is necessary to prove the concept in detail to get accurate and precise results at the development stage. This effort is currently under development by IPB.

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Description: An example of the climate shelter innovation props is interactive hardware. There is some information about climate, the impact of extreme environments on agricultural production, and others.

Source: IPB University document (<https://innovation.ipb.ac.id/detail/1008-Saung-Iklim>)

CONCLUSIONS

Sauna Iklim innovation has become a solution for farmers in helping to increase literacy about climate change and to make accurate planting time predictions by considering information on soil, water class, and agricultural management according to the type of climate in the region.

In the future development, some improvement efforts are needed with some suggestions and recommendations, including:

1. Pre-License Cooperation;
2. License Cooperation;
3. Product Marketing Cooperation;
4. Production Scale Development Cooperation (Industrial Scale Test), and
5. Joint Venture.