Sustainability Impact Ratings 2026



Annual Report on SDG2 Zero Hunger

2.5 National Hunger

2.5.3 Access to university facilities for farmers (labs, technology, plant stocks)

Thaksin University focuses on investing in human resources by integrating the university's knowledge and information with local wisdom to develop sustainable agricultural practices. The university provides opportunities for local farmers and food producers to access laboratories, technology, and scientific expertise in order to promote efficient, environmentally friendly agriculture and to strengthen food security within the community in a sustainable way.

Thaksin University actively supports **Sustainable Development Goal 2 (Zero Hunger)** by providing access to its academic resources, research facilities, and technological innovations to promote **sustainable agriculture** and improve **livelihoods among local farmers and low-income households**. The university implements an integrated approach through the **Comprehensive and Targeted Poverty Alleviation Program**, which is closely aligned with the **Phatthalung Provincial Development Strategy**.

This program aims to address poverty through the development of a household-level poverty database and a decision-support system, enabling evidence-based policy planning and targeted assistance. A key component of the program is the creation of a poverty reduction model that connects the value chain from upstream to downstream — from production, processing, and marketing — integrating academic knowledge, innovation, and community participation.

Examples of initiatives under this framework include:

To enhance community knowledge and technical capacity in sustainable agricultural production through the application of plant tissue culture techniques for the propagation of local economic crops, thereby promoting food security and income generation in rural areas.

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Thaksin University provided academic services on tissue culture techniques for local economic crops. The training focused on the tissue culture of 'Kluai Namwa' banana (Musa ABB 'Khab Khao' variety), an important local economic plant in the region. Participants learned about aseptic techniques, media preparation, and plantlet propagation processes that can be applied in small-scale community laboratories.

Output:

- Local farmers and community members gained practical knowledge and skills in banana tissue culture techniques.
- Establishment of a community-level tissue culture learning group supported by the university.
- Production of initial batches of Kluai Namwa banana plantlets for future distribution to local farmers.

Impact:

- Strengthened community capacity for sustainable agricultural production and biodiversity conservation.
- Increased potential for year-round propagation of high-quality banana plantlets, reducing reliance on external suppliers.
- Contributed to SDG 2 (Zero Hunger) by supporting food security, sustainable farming practices, and rural income generation.





Faculty to Tambon: F2T

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Public Evidence: https://scidi.tsu.ac.th/activity/233

To strengthen community participation, Thaksin University also provides access to laboratories, equipment, and "community lab" spaces, allowing local farmers and producers to experiment, learn, and apply scientific methods in their own agricultural production. These facilities support practical training in plant propagation, food processing, and product quality testing, enabling communities to innovate and improve sustainability in their farming practices.

Throughout every stage of the agricultural value chain, Thaksin University ensures that low-income and vulnerable households are actively involved. This inclusion helps to increase household income, promote fair income distribution, and strengthen food self-sufficiency within local communities. In addition, the university has established a community welfare fund to enhance social capital and support collective development efforts. This fund empowers households to engage in cooperative activities that foster sustainable growth and efficient use of available resources. Through these integrated efforts, Thaksin University serves as a catalyst for sustainable agriculture, food security, and poverty reduction, using its research facilities, laboratories, technologies, and academic knowledge to empower communities, improve food systems, and contribute directly to achieving SDG 2.5.3.