Annual Report
on SDG2 Zero Hunger

2.5 National Hunger

2.5.3 Does your university as a body provide access to university facilities (e.g. labs, technology, plant stocks) to local farmers and food producers to improve sustainable farming practices?

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:

Project: Thaksin University Promotes Sustainable Agriculture and Community Income Generation through the "Khok Nong Na Poverty Alleviation – Thung Lan Yo Model"

Public Evidence : https://sdg.tsu.ac.th/detail.php?id_list=1054&aNum=20250708102445

On Sunday, March 23, 2025, Thaksin University, Phatthalung Campus, organized a community-based agricultural activity entitled "Community Collaborative Planting" under the "Khok Nong Na Poverty Alleviation – Thung Lan Yo Model" project. This initiative is part of the broader research program, "Phatthalung Model: Research and Social Innovation for Comprehensive and Targeted Poverty Alleviation," supported by the Thailand Science Research and Innovation Fund (TSRI) and the Program Management Unit on Area-Based Development (PMU-A).

The activity brought together 50 local participants from Pa Phayom District, who collaboratively planted a wide variety of crops on an eight-rai (approximately 1.28-hectare) plot of land within Thaksin University's Phatthalung Campus. The area has been developed into an integrated agricultural demonstration farm, featuring a diverse range of economic crops, vegetables, and medicinal plants, including both short-term and long-term crops.

The crops planted included corn, peanuts, cucumbers, winter melons, chili peppers, eggplants, yardlong beans, kaffir limes, lemongrass, culantro, sweet leaf vegetables, climbing wattle, pumpkins, Thai eggplants, long eggplants, and several varieties of bananas, including Nam Wa, Khai, and Lep Mue Nang bananas, as well as marigolds.

As part of its commitment to community development and sustainable livelihoods, Thaksin University has allocated part of its campus land as a "Learning Space for Improving Community Quality of Life," guided by the concept of "Transforming Abandoned Land into Productive Agricultural Land."

This initiative provides opportunities for low-income farmers to actively participate in agricultural activities, gain practical experience, and develop sustainable farming skills. By integrating the principles of New Theory Agriculturewith traditional local wisdom, the project aims to promote sustainable agricultural practices, enhance household food security, create supplementary income opportunities, and improve the quality of life of participating households. Through this initiative, Thaksin University demonstrates its commitment to applying research, innovation, and community engagement to strengthen local agricultural systems, empower vulnerable households, and contribute to sustainable poverty alleviation and community resilience.

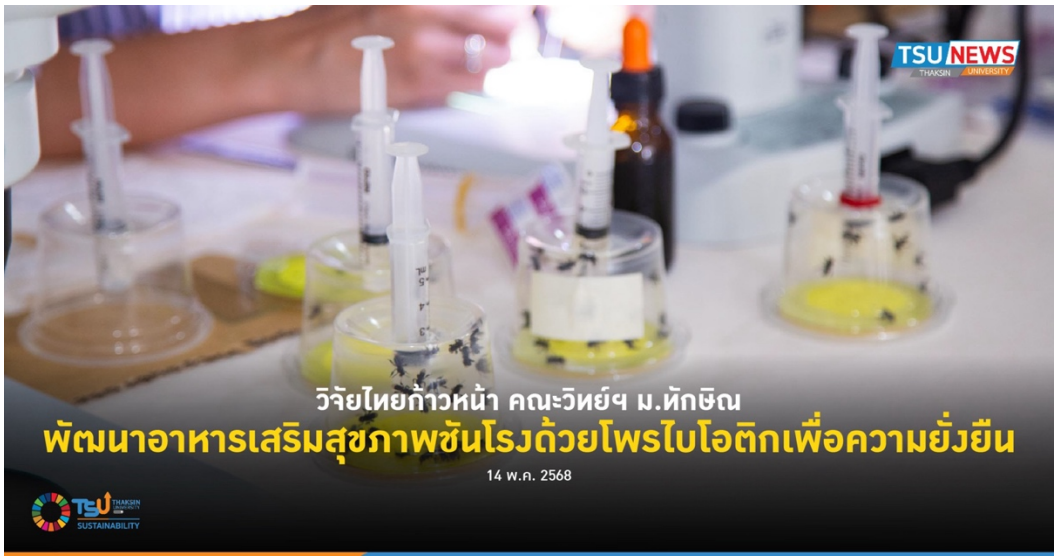



TSU NEWS
THAKSIN UNIVERSITY
ลงแขกแรกปลูก “โคก หนอง นา แก้จน หุ่งลานโยโมเดล”
ณ ม.ทักษิณ วิทยาเขตพัทลุง
23 มี.ค. 2568



Project: Thaksin University Opens Its Laboratories to Support Community Training in Probiotic Supplement Development

Public Evidence : https://sdg.tsu.ac.th/detail.php?id_list=1141&aNum=20250719103520





Researchers from the Faculty of Science and Digital Innovation, Thaksin University, have developed an innovative **probiotic supplement for Itama stingless bees** to improve bee health, strengthen immunity, reduce colony collapse, and enhance honey production amid climate change. The supplement contains beneficial microorganisms isolated from the bees' digestive

tracts, helping to balance gut microbiota, support larval development, and improve colony productivity.

The project was piloted in Phatthalung Province, involving nearly **100 farmers and interested participants**. Thaksin University also provides local communities with access to **high-quality laboratories, standardized scientific equipment, and practical training** to transfer knowledge and technology in probiotic supplement production. The initiative aims to enable farmers to produce supplements independently, reduce farming costs and climate-related losses, increase household income, and promote sustainable agriculture and community self-reliance.

