

2 ZERO
HUNGER



SDG 2 ZERO HUNGER

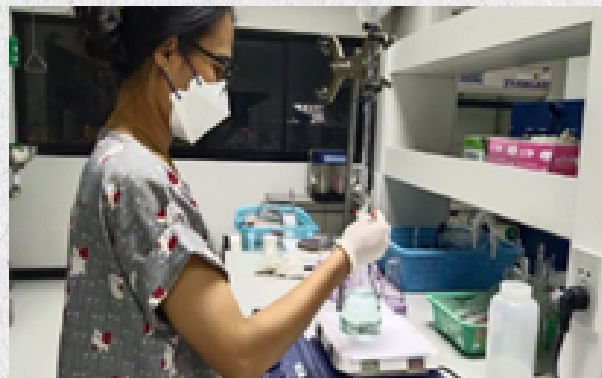


End poverty in all its forms everywhere

It's impressive that Muban Chombueng Rajabhat University is focusing on SDG 2 by improving food security, nutrition, and sustainable agriculture. By providing healthy food to students and staff and promoting sustainable farming practices, the university is contributing to both the local community and the broader global goals. The knowledge transfer to farmers and food producers is also a key part of fostering long-term sustainability in agriculture.

1. The Plant Genetic Conservation Project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn (RSPG)

Activity 1: Development of products from "Tanaosri" Namwa banana variety as supplements for livestock by studying its nutritional value, analyzing its nutritional components and prebiotic substances, and utilizing components from the Tanaosri banana to develop a raw material source or feed supplement. This serves as a guideline for utilizing local plants to support the conservation of genetic resources and promote sustainable and efficient utilization in the future.





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Activity 2: Development of alternative feed formulas incorporating the "Tanaosri" Namwa banana variety for pig farming. This involves studying and developing alternative feed formulas containing components of the Tanaosri Namwa banana for pigs. The activity includes surveying data on the production of the Tanaosri Namwa banana variety and its utilization in pig farming in areas such as Suan Phueng Subdistrict, Pa Wai Subdistrict, Tha Khoei Subdistrict, and Tanaosri Subdistrict, Suan Phueng District, Ratchaburi





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Activity 3: Study of the tannin extraction process from the peel of the "Tanaosri" Namwa banana to analyze tannin content under different conditions. The activity involves extracting substances from the peels of Tanaosri Namwa bananas at varying ripeness levels and analyzing the extracts for their ability to inhibit bacteria that cause meat spoilage (*Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Escherichia coli*). Samples are collected from Tanaosri banana cultivation areas in Suan Phueng District, Ratchaburi Province.





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Activity 4: Development of alternative feed formulas incorporating the "Tanaosri" Namwa banana variety for Nile tilapia farming. The activity involves using the collected data to formulate and analyze the nutritional composition of Nile tilapia feed that includes Tanaosri Namwa banana as an ingredient. This aims to reduce the use of commercial feed in aquaculture by utilizing locally available alternative raw materials. Data collection is conducted in Suan Phueng Subdistrict, Pa Wai Subdistrict, Tha Khoei Subdistrict, and Tanaosri Subdistrict, Suan Phueng District, Ratchaburi Province.





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2. Science and Technology Services for Promoting Local Resource Management

Promoting Local Resource Management: Field Training on Physical Property Analysis and Sample Collection for Enhancing Stingless Bee Honey Quality Standards

