



Evidence UI GreenMetric Questionnaire



University : Songkhla Rajabhat University
Country : Thailand
Web Address : www.skru.ac.th

[3] Waste (WS)

[3.8] Organic Waste Treatment

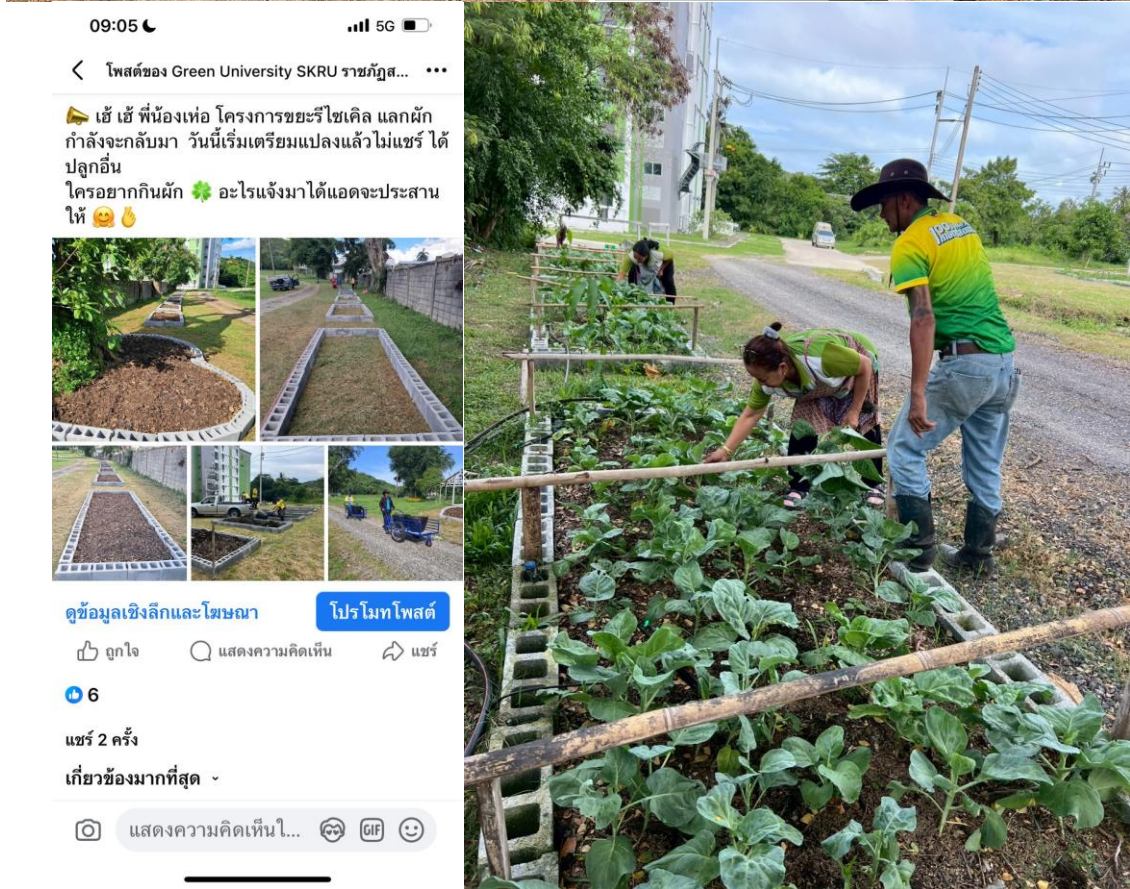


Organic Waste Treatment for EM ball and microbials fermentation
(Songkhla Rajabhat University(SKRU), Thailand)



Organic Fertilizer





Organic Waste Treatment (Songkhla Rajabhat University(SKRU), Thailand)

Type of waste	amount (ton)		
	Produced		Reduced (%)
	Last year 2024	This Year 2025	
Total waste	7.63	7.51	0.12

Description:

Songkhla Rajabhat University used the organic waste from the canteen and leaf fragments to produce the organic fertilizer for nourishing the tree within the University. Some organic waste is recycled into EM ball and Charcoal. Furthermore, Vermicompost produced from organic waste is used to grow organic vegetables for sale and to make food for university guests under the Sustainable Development Goals (SDGs).

1. Organic Waste Collection and Segregation

SKRU collects biodegradable waste generated from campus activities, including:

- Food scraps and fruit peels from cafeterias and food service areas
- Plant residues, leaves, and garden waste from landscape maintenance
- Other biodegradable organic materials generated within the university

Proper source segregation ensures that organic waste can be efficiently processed and diverted from landfill disposal.

2. Production of Bio-Fermented Liquid Fertilizer (EM Solution)

Organic waste, particularly fruit and vegetable residues, is mixed with Effective Microorganisms (EM) to produce bio-fermented liquid fertilizer.

3. Composting and Organic Soil Amendment Production

The university converts organic waste into compost and soil amendment products through biological decomposition processes.

4. Circular Economy and Environmental Sustainability

The organic waste management program demonstrates SKRU's commitment to sustainable resource utilization by transforming waste into useful products. Organic materials that were previously considered waste are converted into valuable resources, creating environmental, economic, and educational benefits.