

University : Polytechnic Of Road Transportation Safety
 Country : Indonesia
 Web Address : <https://pktj.ac.id/>

[3] Waste (WS)

[3.8] Organic Waste Treatment (WS.3)

<p>Food Waste Processing into Eco-enzyme</p>	<p>Leaf and Garden Waste Management</p>
<p>Educational Posters on Waste Segregation</p>	<p>Compost Production from Organic Waste</p>
<p>Campus Waste Segregation System</p>	<p>Campus Greening Awareness Campaign</p>



Description:

The Road Transportation Safety Polytechnic (PKTJ) is committed to implementing sustainable organic waste management as part of its Green Campus initiative and its contribution to the Sustainable Development Goals (SDGs). Organic waste generated from campus activities, including food waste from the dining hall, leaves and grass from campus landscaping, and other biodegradable materials, is managed through an integrated system based on the principles of Reduce, Reuse, and Recycle (3R). Rather than disposing of organic waste directly to landfills, PKTJ promotes waste reduction, resource recovery, and environmental education to maximize the utilization of biodegradable materials while minimizing environmental impacts.

To support sustainable organic waste management, PKTJ has implemented several programs, including:

1. Food Waste Processing into Eco-enzyme

PKTJ processes fruit and vegetable waste generated from campus dining activities into eco-enzyme through a natural fermentation process. This program transforms organic waste into an environmentally friendly multipurpose liquid that can be used for cleaning and other non-hazardous applications. Besides reducing the amount of food waste sent for disposal, this initiative encourages the campus community to recognize the value of organic waste as a reusable resource.

2. Leaf and Garden Waste Management

Leaves, grass clippings, branches, and other garden waste generated from campus landscaping activities are collected separately and managed through composting and other environmentally friendly treatment methods. This program prevents the accumulation of organic waste while maintaining campus cleanliness and supporting sustainable landscape management.

3. Educational Posters on Waste Segregation

PKTJ installs educational posters throughout the campus to encourage proper waste segregation. The posters provide clear guidance on separating **organic**, **inorganic**, and **toxic** waste, helping students, lecturers, staff, and visitors dispose of waste correctly. This initiative strengthens environmental awareness and supports the effective implementation of the campus waste segregation system.

4. Compost Production from Organic Waste

Organic waste that is suitable for composting is processed into compost fertilizer using environmentally friendly composting methods. The compost produced is utilized for maintaining campus gardens, trees, and other green spaces, reducing dependence on chemical fertilizers while promoting nutrient recycling within the campus environment.

5. Campus Waste Segregation System

PKTJ has implemented a waste segregation system by providing separate waste bins for organic, inorganic, and toxic waste in strategic locations across the campus. This system facilitates waste collection, improves the efficiency of waste treatment, and ensures that organic waste can be processed appropriately according to its characteristics before further treatment.

6. Campus Greening Awareness Campaign

To strengthen environmental awareness, PKTJ displays educational posters promoting campus greening and environmental conservation. These posters encourage the campus community to participate in tree planting, protect green spaces, and maintain a clean and healthy environment. The campaign complements the organic waste management program by emphasizing the importance of returning organic resources to nature and fostering environmentally responsible behavior.

Through these integrated programs, PKTJ continues to improve the management of organic waste by reducing waste generation, maximizing the recovery of biodegradable materials, and promoting active participation from the entire academic community.

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