

REPORT OF SDGs 12: RESPONSIBLE CONSUMPTION AND PRODUCTION

**Responsible Consumption and Production : From
Campus to Community, USK's Drive for Sustainable
Consumption Patterns**



**UNIVERSITAS SYIAH KUALA
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12 RESPONSIBLE CONSUMPTION AND PRODUCTION



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In alignment with the United Nations Sustainable Development Goal (SDG) 12, which focuses on ensuring sustainable consumption and production patterns, Universitas Syiah Kuala (USK) has implemented initiatives aimed at reducing waste, promoting recycling, and raising awareness within the university and the wider community. Through partnerships, technological innovations, and community involvement, USK demonstrates a commitment to minimizing its environmental footprint and fostering sustainable practices that benefit both campus and community.

1. Campus Waste Management Through the Campus Waste Bank

The USK Campus Waste Bank is a pivotal part of the university's strategy to manage waste sustainably. Designed to reduce waste at the source, this initiative encourages all members of the campus community to engage in waste segregation. Recyclable materials, such as plastic, paper, and metals, are collected, sorted, and either sold to recycling centers or repurposed on campus. A recent enhancement to this initiative is the installation of a waste shredder machine, specifically designed for organic waste. This machine efficiently shreds organic materials, enabling them to be converted into compost or used for sustainable agricultural applications within the university. By reducing the volume of waste that reaches landfills, the Campus Waste Bank exemplifies sustainable waste management on campus (Antara Foto, 2022).



This initiative was significantly strengthened through collaboration with the Aceh Provincial Government. In a dedicated partnership, USK provided technical support and equipment to expand the Waste Bank's capabilities to other

community waste banks, such as Leue Barokah in Aceh Besar. As part of this program, USK donated additional waste shredding equipment to Leue Barokah, increasing their processing capacity for organic waste and reducing environmental strain (Aceh Besar, 2023). By offering both technical resources and educational support, this partnership enables broader community involvement and underscores USK's dedication to sustainable consumption and production.

2. Utilizing Technology for Sustainable Waste Management

USK's commitment to SDG 12 is furthered through its use of advanced technology to optimize waste processing and recycling. The installation of the waste shredder machine has enabled the efficient processing of organic waste into compost, significantly reducing the dependency on traditional waste disposal methods and lowering the environmental impact. Supported by the Aceh Department of Transportation, the shredder machine and related training empower both university and community waste management efforts (Dishub Aceh, 2023). This technology serves as a foundation for campus-wide composting, which is reused in landscaping and agricultural projects, reinforcing the university's commitment to resource circularity.



Moreover, the technological advancements achieved through the Waste Bank have allowed USK to adopt a zero-waste model, where the emphasis is on ensuring all waste types are either recycled, composted, or repurposed. The support from government entities enables a more integrated and efficient approach to managing waste and environmental stewardship, setting a model for other universities and institutions in the region (Envira, 2023).

3. Community Collaboration and Environmental Awareness

Beyond campus initiatives, USK actively engages with local government bodies and environmental organizations to promote environmental responsibility among surrounding communities. Through partnerships with agencies like the Aceh Department of Transportation, USK's Campus Waste Bank conducts educational workshops that focus on waste separation, recycling, and sustainable waste management practices. These workshops aim to empower community members with practical knowledge on proper waste disposal and management, particularly in areas where waste infrastructure is limited (Envira, 2023).

These collaborations reflect USK's broader mission to instill environmental consciousness beyond the campus. Workshops and community outreach programs help raise awareness about sustainable practices and support community members in adopting practical waste management habits. This approach, which combines campus initiatives with community education, highlights the role of USK in fostering a culture of sustainability that extends to the wider Aceh region.