



12.3.1. Waste tracking

University : Universitas Sumatera Utara
Country : Indonesia
Web Address : <https://www.usu.ac.id>, <https://sdgs.usu.ac.id/en>

Waste (WS)

Organic Waste Treatment



1. The utilization of plastic waste into gasoline and diesel fuel



2. USU Integrated Waste Management Facility



3. Compost Tank for Road and Yard Waste Processing at Temporary Landfill USU



16 Okt 2022 08.15.26
Padang Bulan
Kecamatan Medan Baru
Kota Medan
Sumatera Utara



16 Okt 2022 08.14.54
Jalan Bioteknologi
Padang Bulan
Kecamatan Medan Baru
Kota Medan
Sumatera Utara



4. Compost center for organic waste processing



5. Making ecoenzymes from organic waste and canteen waste at USU which was initiated by Dr.Ir. Nurzainah Ginting (UIGWURN Eco Enzym Team Leader)



6. Reducing food waste by using the Black Soldier Flyer in combination with aquaponics

Description:

1. The utilization of plastic waste into gasoline and diesel fuel by Environmental Engineering students at Universitas Sumatera Utara at the USU Integrated Waste Management Facility.
2. The USU Integrated Waste Management Facility serves as the center for waste management activities by Environmental Engineering students in collaboration with Earthwise Consulting Japan.
3. Availability of compost bins at the Temporary Garbage Disposal Site consisting of 4 tubs aimed at degrading waste from sweeping yards and roads on the USU campus
4. The existence of a compost center which is a Japanese state aid. This compost center is in the Faculty of Agriculture, currently the compost center is also used as a forum for research development for lecturers and students.
5. In order to reduce organic waste, an eco-enzyme was made, which was initiated by Mrs. Dr. Ir. Nurzainah Ginting, M.Si from the Faculty of Agriculture. He is also the head of the national team for eco enzyme. The resulting eco-enzymes have been applied to several activities, such as during the commemoration of World Environment Day by pouring eco-enzymes into water bodies to improve the quality of water bodies around the USU campus and the Deli River.
6. Reducing food waste by maintaining a Black Soldier Flyer (BSF) combined with aquaponics. This activity is in line with the community service of lecturers carried out at the USU Campus Temporary Landfill