

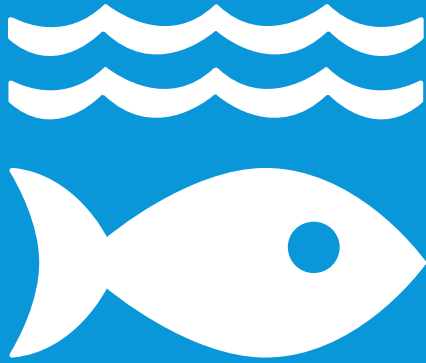


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14 LIFE BELOW WATER



“The oceans, and the rivers and watersheds that link to them, are the largest part of our ecosystem. 40% of the world’s population lives within 100km of the coast, and we all rely – directly or indirectly – on the sea.”


-THE Impact Rankings

“

4.9

Impact Factor

RESEARCH IN NUMBERS (2024)



37

publications





CONSERVE AND SUSTAINABILITY USE THE OCEANS, SEAS, AND MARINE RESOURCES FOR SUSTAINABILITY DEVELOPMENT

1 UNS Pours 1,000 Liters of Eco-Enzyme into the Lake on World Environment Day 2024

The academic community of Universitas Sebelas Maret (UNS) poured **1,000 liters of eco-enzyme into the UNS Lake in commemoration of World Environment Day 2024, which falls on June 5**. This eco-enzyme solution was prepared as part of efforts to purify and improve the water quality of the lake.

This year, the national theme for World Environment Day in Indonesia is "Addressing the Climate Crisis with Innovation and Principles of Justice." **Tackling the climate crisis, particularly in relation to water resources, plays a crucial role in improving the water cycle and managing the quality of both surface and groundwater.** In line with this, UNS carried out a lake-cleaning program using eco-enzyme to restore water quality.



During the event, UNS researchers and students **demonstrated how to produce eco-enzyme using organic waste collected from campus cafeterias and nearby households.** Once fully processed, the eco-enzyme was applied to the lake with the hope of improving water quality, reducing unpleasant odors, and mitigating pollution.

2 Liquid Tofu Waste Turned into Organic Fertilizer: UNS Students Tackle River Pollution in Kebumen



A student team from the Community Service scheme of UNS initiated a program to help manage tofu liquid waste in Dusun Kemitir, Bumirejo, Kebumen. The program was designed in response **to persistent river pollution caused by untreated tofu wastewater over the past two years.** Titled "Sahabat Desa: Sustainable Solutions for Tofu Waste into Liquid Organic Fertilizer for Kemitir Village Community". The training consisted of three sessions: two focused on the technical process of converting tofu wastewater into fertilizer, and one dedicated to packaging the final product.