ENVIRONMENTAL SUSTAINABILITY Report 2022

Universiti Teknologi MARA Sarawak

UNIVERSITI TEKNOLOGI MARA

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Research on SEWERAGE TREATMENT Plant

A sewerage treatment plant (STP) is a process of removing contaminants from wastewater through physical, chemical and biological processes to remove contaminants known as effluent. For the system to be effective, the system requires both oxygen and food for the bacteria and protozoa to consume in the biodegradable solution of organic contaminants and the binding of the much less soluble fractions into sludge where it settles to the bottom of the tank. The research was done to evaluate and identify the condition and problem of all STPs in UiTM Sarawak, to conduct research on STP with the best method and approach to produce a system to maintain industry standards, and to come out with a guideline for the operation of the STP. The research was completed, and the findings were published in three different publications, two indexed journals, specifically in the Journal of Asian Scientific Research and one in the International Journal of Environment and Waste Management indexed by Scopus.

Figure 5.14 *Site Visit To Sewage Treatment Plant At UiTM Sarawak*

Establishing LOCAL FERTILIZER from Poultry Project

SDG 12 recognises that long-term development and economic growth depend on changing how we produce and consume goods. It demands more efficient and environmentally friendly management of materials across the lifecycle, through production, consumption, and disposal. The food supply chain is the pathway by which food moves from farms to our plates. Food is produced, stored, processed, and distributed before being sold by retailers to consumers

Editorial Board Members

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