

The Impact Rankings Questionnaire



University : Universitas Indonesia
 Country : Indonesia
 Web Address : www.ui.ac.id

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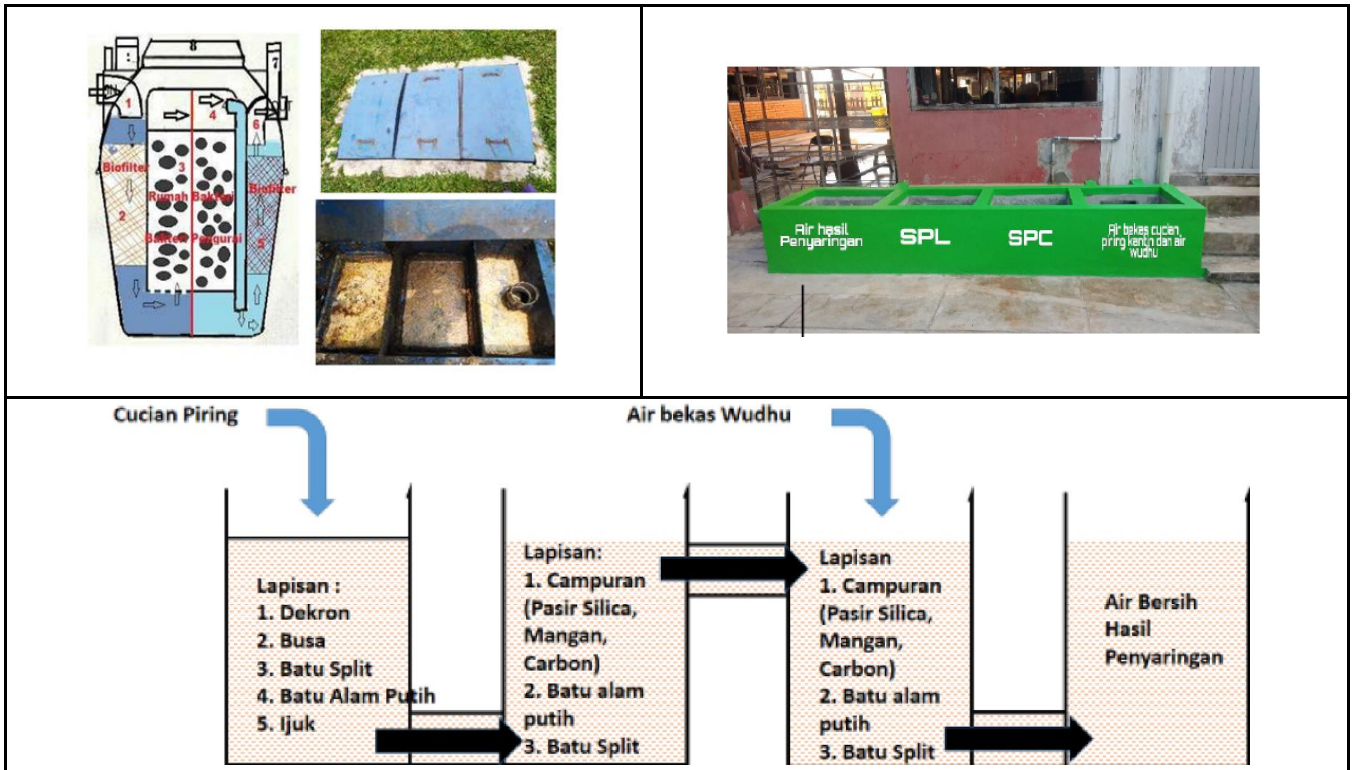
[6] SDG6: CLEAN WATER AND SANITATION

[6.4] Water reuse

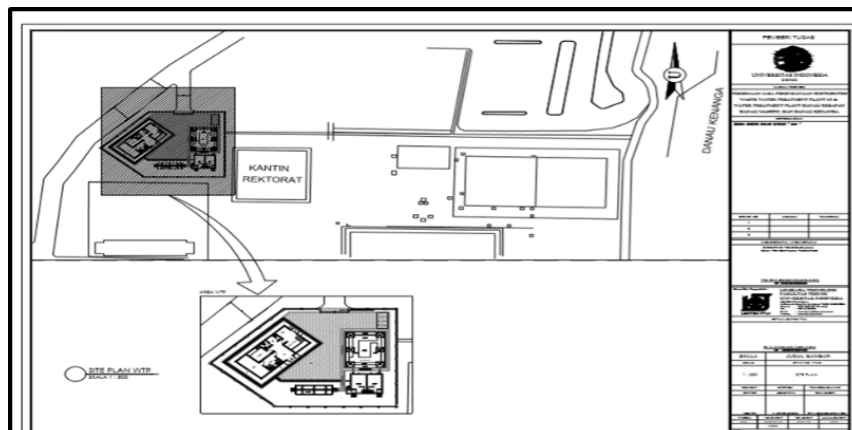
[6.4.2] Water reuse measurement

	
<p align="center">Faculty of Engineering's IPAL</p>	<p align="center">Faculty of Medicine's IPAL</p>

Universitas Indonesia measures the use of recycled water across some buildings in the university. Wastewater treatment that is done throughout the campus is mostly recycling domestic wastewater for it to be ready to reuse. Utilizing Pengolahan Air Limbah Domestik (IPAL) wastewater treatment installation, the recycled water will be streamed into infiltration wells and it will be available for backup water supply. UI's Faculty of Engineering created a water recycling program by constructing domestic wastewater treatment plants (IPAL). The system was designed in 2018 at the Department of Metallurgy Engineering, and in 2019, the Faculty of Engineering installed IPAL in the Department of Chemical Engineering. It can reserve water with the capacity of 5 m³/day, and the IPAL output water is streamed to infiltration wells and can be used to water grass (Up-Cycling). The Faculty of Medicine also has IPAL to manage wastewater. The capacity is 30 m³/hour with water sourced from Sewage Treatment Plant with a capacity of 11 m³/hour.



Meanwhile, domestic waste treatment in other faculties is through the Sewage Treatment Plant (STP) that functions as the container of wastewater from restrooms, sinks in the kitchens, and wudu. The wastewater is processed in the contact tank, which later will be the source of recycled water (the process continues in the Water Treatment Plant). The product of this water treatment is used for watering plants and flushing toilets.



Evidence Links:

1. <http://eng.ui.ac.id/blog/pembuangan-air-limbah-domestik-gedung/>
2. <https://fk.ui.ac.id/kampus-hijau/air.html>