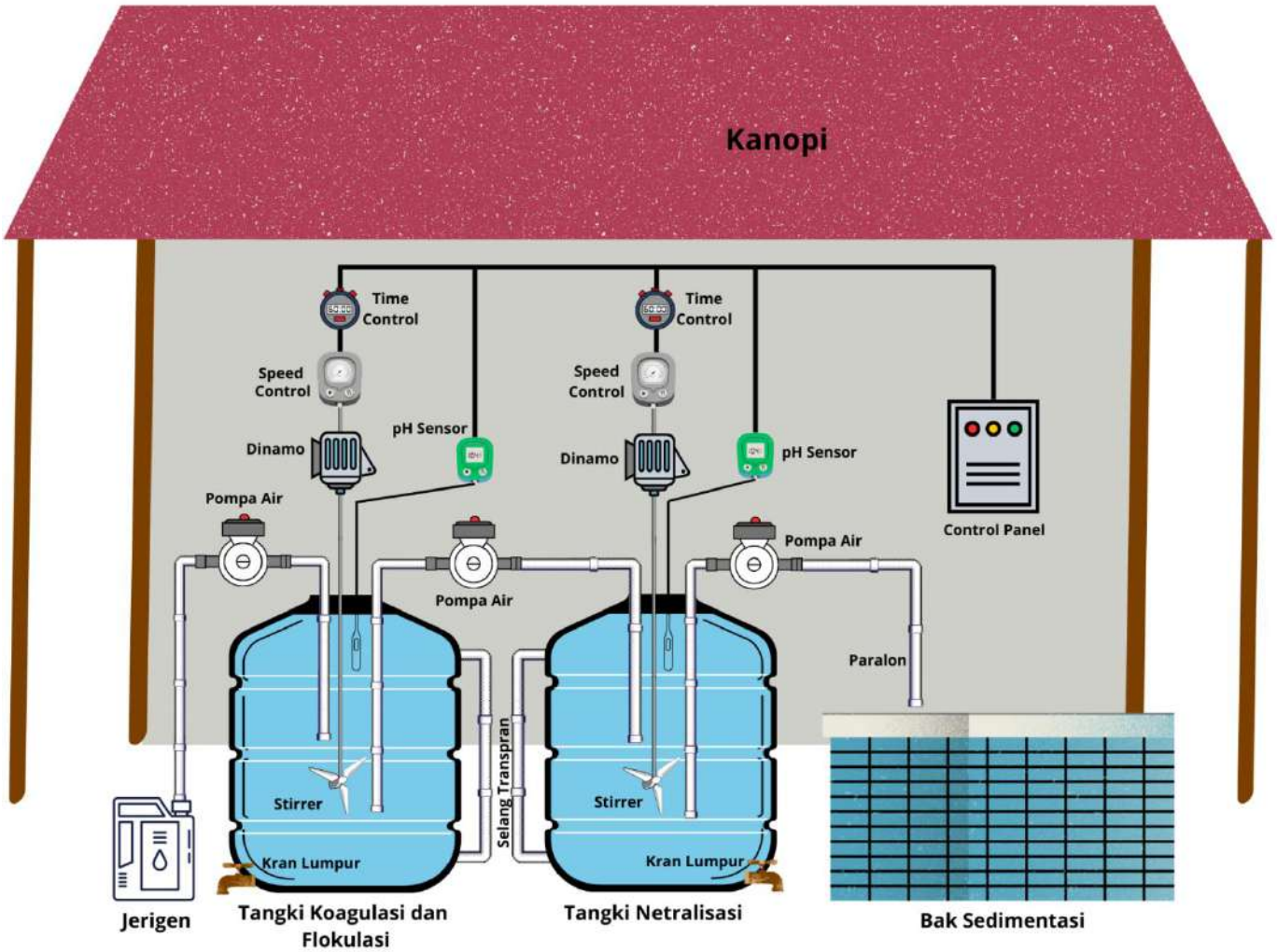
UI
GreenMetric Questionnaire

University : Universitas Pendidikan
Indonesia Country : Indonesia
Web Address : http://upi.edu

[4] Water (WR)

[4.5] Water Pollution Control in Campus Area

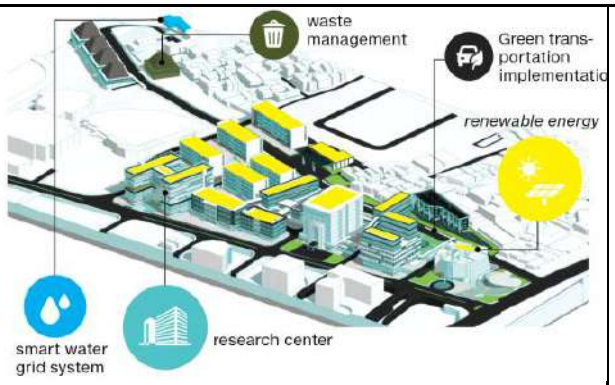


IPAL Desain

	
IPAL Instalation	

Description:

This chemical liquid waste purification product is installed in the FPMIPA B building as part of the campus's environmental management initiative. The system function to treat laboratory effluent before released into the general drainage system. There is a pH checking stage for the waste to ensure that the waste is safe to dispose of into the water disposal. By conducting this pH verification, the institution guarantees that the discharged liquid waste meets the required quality parameters, thereby preventing the potential contamination of the surrounding water system and supporting sustainable laboratory operation on campus.

	
Smart Waste Concept	Water Treatment Plant in FPMIPA
	
Water Treatment Plant in FPMIPA	Pollution Water Converted to Bio-oil for Study Program



- IPAL Instalation
- Waste water treatment

Description:
The mechanical room or commonly known as JICA waste treatment which is located in the FPMIPA A building, is where the waste treatment process takes place within the Universitas Pendidikan Indonesia, which consists of gas pipes, tubes, drums, NaOH tanks, and HCL tanks, and a section for monitoring the continuity of the waste treatment process.

	
Bio-Compund	

Description:

Bio Compound is a research product from Universitas Pendidikan Indonesia, used to decompose septic tank waste water. Safe and environmentally friendly biological treatment of domestic and industrial liquid waste. One of the main elements in a series of natural processes, each with its own role and function, forming a continuous, recurring cycle, is microbes, which can decompose waste into environmentally friendly natural compounds. The usage rate is 1 liter of Bio-Compound per 1 cubic meter of wastewater. This bio-compound is used by various units on the Universitas Pendidikan Indonesia.

Additional evidence link:

Link water treatment at FPMIPA: https://youtu.be/_ijAjXG86Lg

https://www.researchgate.net/publication/342338003_Planning_and_Designing_UPI_Science_and_Techno_Park_as_a_Green_Campus_Center_in_Universitas_Pendidikan_Indonesia?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6Il9kaXJlY3QiLCJwYWdlIjoiX2RpcmVjdCIsInBvc2l0aW9uIjoicGFnZUNvbnRlbnQifX0