

13.2 Low carbon energy use

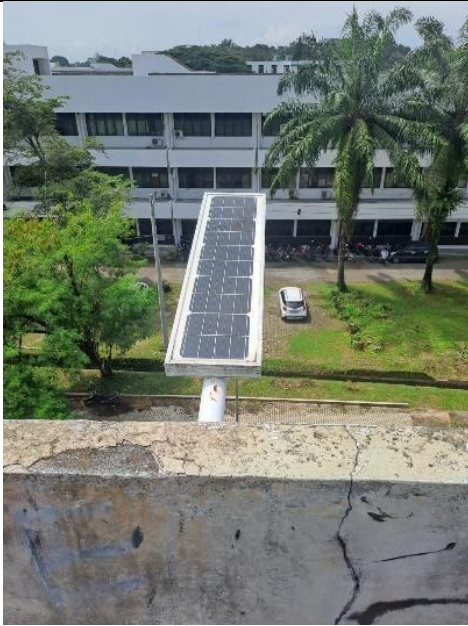
13.2.2.2 Total energy used from low-carbon sources

EVIDENCE'S

USU has three sources of renewable energy produced on campus. They are: Biogas power plant (10 kW), Solar panels found in the Main Administration Building (21 kWp capacity), Mechanical Engineering Laboratory (3 kWp capacity), Biomass (), Wind Turbine (), Water turbine (), solar-powered lights along at Universitas Street (2 kWp capacity).

No	Renewable Energy	Production (kWh/year)
1	Solar Panel	43,315.2
2	Wind Turbine	36
3	Water Turbine	210.96
4	Biomass	-
Total		43,562.16 or 157 Giga Joule





Solar Panel found in the Main Administration Building, Solar panel in Faculty of Engineering integrated Lab ,Class Room, Solar-powered lights along at Universitas Street and Solar charging at shuttle bus



Wind Turbine



Water Turbine



Biomass Pyrolysis