

MONITORING VOLUME AND POLLUTION OF TEMPORARY WASTE SPOTS USING IOT

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ABSTRACT

Waste can be divided into two types, namely organic and non-organic waste. The system is used to monitor the volume and pollution at temporary waste storage sites, by providing information about how much waste has been collected at the TPS and how much air pollution. In this process, all the materials that have been collected are made by following the procedures and steps that have been planned in the system design section. After the equipment has been designed it will be installed at TPS 3R Daplokan Hamlet, as a form of case study for monitoring waste and air pollution. The sensors used are ultrasonic sensors as volume calculators and MQ-135 as air pollution readers and use IoT for information via the Blynk application in real time and can be monitored remotely. This test was only taken for 6 days.

Keywords: *IoT, waste pollution, MQ-135 sensor, ultrasonic sensor, waste volume,*