ABSTRACT

Design of Trash Capacity Detector Based on Arduino

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in Pembangunan Jaya University, there is a lot of problems around it, especially about the trash management, where the trash that has been full in a garbage is not being taken care of and cleaned by the cleaning workers on time. So that will cause the garbage become messy. This research will create a system that can help the cleaning workers to works much easier and faster in order to keep the cleanliness stay awake. The research methods that used to build this system are consist of literature (literacy), observation, problem analysis, system design, implementation, and the prototype method. This tool is made of hardware by using Arduino Mega 2560 and Ultrasonik sensors.

Keyword : *Smart Trash Bin,* Arduino Mega 2560, *Ultrasonic Sensor*

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