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ABSTRACT

In this day, there are still many places where compilation of organic and non-organic waste can be seen from the contents of this trash can still not in accordance with the category of trash that has been determined according to its type. Making mixed waste and trying to make recycled products. From the questions that have been discussed, a place for separating organic and non-organic waste is needed, wich automatically sorts waste according to the type specified. To support this system of separating organic and non-organic waste, Arduino uno is needed as a microcontroller that takes data from sensors that detect every type of waste. IR sensor is needed to support incoming waste, inductive proximity sensors to support non-organic metals or non-metallic types of organic waste, then after waste is sorted by inductive proximity sensor, waste is sorted again using ldr sensors to utilize organic and non-organic waste that does not contain metal elements.

Keywords: Waste Sorter Place, Arduino Uno, IR Sensor, Inductive Proximity Sensor, Ldr Sensor.

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