ABSTRACT

Waste is leftover material that is not used anymore and is considered to have no value anymore, so many people throw it away for nothing. In the absence of waste management that can cause garbage to pile up, so that it can cause diseases due to disasters, such as floods. Therefore, how to eliminate the buildup of garbage? With the metal sorting and non-metal sorting tools can minimize the impact of accumulation of waste, most of the types can be sorted and processed. This tool can sort waste with rubbish that uses conveyor and can use metal and nonmetal types with a detection system using inductive proximity sensors, ultrasonik sensor.

Keywords: Arduino, Conveyor belt, Inductive Proximity Sensor, ultrasonik sensor.