

ABSTRACT

Trash is an object that is wasted or disposed of from the source of human activities and natural processes that no longer have economic value. Based on its origin, solid waste can be classified as organic waste and inorganic waste. At this time some places in Indonesia visited must have problems with environmental pollution, most of the few places are difficult to reach in order to be cleaned, the most difficult place to reach is water. Therefore, to respond to this, the design of the Trash Boat prototype was put forward so that it can be applied in a calm aquatic environment that has been polluted by floating trash. Trash Boat is designed with a microcontroller device system, This design is made to pick up trash only by controlling the Trash Boat through a remote that can turn right, left and forward and control the Conveyor, The conveyor on the Trash Boat is used as a floating trash collector, so we no longer need to use canoes and pick up trash manually, this Trash Boat has a maximum capacity of 8 kg of trash.

Keywords: Microcontroller, Trash Boat, Conveyor.