

ABSTRACT

Trash is leftover material that is not expected after the end of a process. Trash is around us, both on land and on land. The accumulated waste can be a source of disease for the surrounding environment and can reach a wider range. Indonesia is the biggest contributor of trash in the sea based on data from the Mongabay site. To reduce the impact of this, the Marine GW-40 was designed. The design of the Marine Bot GW-40 uses APC220 to regulate the distance that has a maximum distance of 1000 meters supported by Arduino as the bridge. The Marine Bot GW-40 boat propulsion uses two DC motors mounted behind as propulsion. This ship also has a camera feature to see where the direction is going and the trash to be transported. Then the ship will be able to move using a remote system.

Keywords: Wireless control, APC220, robot, ship, trash