

## ABSTRACT

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*Marine Bot GW-40 is a robot designed to reduce the impact of waste or rubbish that is on the surface of the water, there is a garbage filter room in the robot that does not have a monitoring system to find out how full the capacity of the filter room is filled, and does not have a system that can display the remaining battery in the robot so that it can be known how much power is still available for the robot to work. Therefore, the Design of Ultrasonic Sensors and Power Supply Monitoring with Arduino on the Marine Robot BOT GW-40 is stated in order to observe the volume and capacity of the batteries contained in Robot Marine GW-40. This tool is designed with a microcontroller and monitoring system that is assisted by APC220 to send data from the ultrasonic sensor to the 2x16 LCD for display.*

*Keywords: Marine Bot GW-40, Monitoring, APC220, Ultrasonik*