ABSTRACT

Saving a person's life during a post-disaster period is a mandatory task that must be done by rescue teams, usually done by evacuating post-disaster locations with makeshift tools, one of the tools that can help rescue teams to evacuate post-disaster locations, especially floods or tsunami disasters are underwater robots. ROV is a robot that can move in the water to see if there are victims or not.

This robot uses a camera as a medium to see conditions in the water, and uses a Rasberry Pi with an image processing system, namely OpenCV as a medium for processing data to be displayed on the monitor screen.

Keywords: Arducam Camera, Raspberry Pi, OpenCV, Remotely operated underwater vehicle.