

ABSTRACT

Cultivation of freshwater fish and crayfish is one of the farm fields that require regular monitoring. At this time, the monitoring of lobster farming is still done manually. Therefore we need to make a monitoring system to facilitate freshwater lobster lobster. This sistem use pH meter sensor, turbidity sensor, and LM35 temperature sensor controlled by the microcontroller to indicate the sensor indicator. Each sensor data that gone over the limit indicator, it will be sent a short message notifications in the form of SMS using SIM900 ICOMSAT. This sistem have two mode, fish monitoring and crayfish monitoring sensor. Data from each sensor will be displayed on the monitor using the wireless media that allows users to view data and information remotely.

Keywords:Controlling sistem, Monitoring sistem, ICOMSAT SIM900, microcontroller, sensor.