

ABSTRACT

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

Keywords: Monitoring system, ICOMSAT SIM900, microcontroller, sensor.