ABSTRACT

Wireless Sensor Network (WSN) is a wireless network build by more than one sensor that placed at different place to monitoring the condition of a pool. at this case, the WSN is implemented at a fresh water fish and crayfish cultivation. This experiment is using an aquarium as a media for fresh water fish and crayfish cultivation and using 3 sensor which is temperture sensor, turbidity sensor, and pH sensor. these sensor will be placed at the aquarium and configure the wireless network to connect to the server so the user would know if theres something happen from a monitor.that way, the condition of the aquarium is under control. Monitoring system uses Gambas applications on the server laptop, gambas applications can process data, display data that has been processed and can set the threshold temperature, pH levels and water clarity

keywords : Wireless sensor network, Cultivation, User, Sensor.