

ABSTRACT

Monitoring discharge of water that is far from the levee is involving many officers. This is really need to do especially in rain season, because the rate of water flow and the level of water are influencing the discharge of water that flow out. The systematization of elevation of water doors is depend on the discharge of water. According to many officers that involved in this monitoring methode was not efficient.

Using this monitoring methode of monitoring the discharge of water that far from the monitoring center, in this project will make some experiment using monitoring the discharge od water methode with telemetri. To apply this application, used two kind of sensors that detect the changing of level and rate of water flow parameter. The data that obtained will be processed by microcontroller and send to the monitoring center with Wiz620wi module as a transmitter of the data. The data that sent received by webserver and displayed in a web page.

The results from making thing application are 99,47% accuracy from reading the water level and the longest time that needed to open the gate is about 19,10 seconds and the longest time to close the gate is 18,25 seconds. The utilizing of this application make a possibility for controlling motor from distant. Within this application the discharge of water will able to be seen from the remote that located in the monitoring center only by involving one officer.

Keyword: Level water, discharge of water, telemetri, microcontroler, web page