

# Developing water monitoring system

## Abstract

Water monitoring system is a system than monitor the condition of water. This system monitor the water on several condition. The condition monitored by this system is water level and turbidity value. For water level, the depth of the water is taken by ultrasonic method. For turbidity, the higher the reading from the sensor, the higher the turbidity of the water. For pH value, if the value of the reading is more than 7, the water is in alkaline condition. If the value of reading is less than 7, the water is in acidic condition. In this project, this system is using Raspberry Pi 2 as its main controller. Several sensor are used such as ultrasonic sensor and turbidity sensor. The reading from the sensor is then send to Raspberry Pi and the the value is send to the other devices or webpage through wifi module.