

ABSTRACT

Generally monitoring of hydroponics applied is still done manually. As an example, to see the situation pH levels in hydroponics still used a pH tester. It makes people are not efficient in monitoring the condition. With this condition, one of the solution is to make a monitoring systems of hydroponic. Made monitoring system can monitor automatically conditions in hydroponics. Raspberry Pi and the application of Gambas as a display of sensor data can be seen in the monitor. With the monitoring systems, all data sensors can be monitored on the monitor. As the water level, temperature, LDR (Light Dependent Resistor), pH, current, and voltage on hydroponic systems.

Keywords: Hydroponic, Monitoring System, Raspberry Pi, Gambas, Sensor