ABSTRACT

Smart Kitchen is a kitchen device equipped with SBC (Single Board Computer) or can be called a mini computer. This device was made in order to simplify and simplify human activities. In other words, this device can reduce human involvement in certain activities. One of the devices is an automatic dispenser, which functions to pour water automatically just by placing a glass or cup under the dispenser tap. But the device still has shortcomings, i.e. if the gallon water in the dispenser runs out when the user needs quite a lot of water for certain activities. Based on these problems, a smart kitchen monitoring system was created that will display gallon water conditions information on the automatic dispenser device on the web server, and send Telegram notification messages when the gallon water condition is almost runs out. This monitoring system is made using a water level sensor as input from gallon water to NodeMCU. NodeMCU as a microcontroller that will communicate data from the water level sensor and then sent to the web server. If the gallon water is almost used up, NodeMCU will send a notification in the form of a message through the Telegram application.

Keywords: Monitoring Smart Kitchen, NodemMCU, gallon water, water level sensor