ABSTRACT

Indonesia is currently experiencing the development of software technology and hardware very rapidly, making people think to be able to do something while doing other things so as to make working time more efficient. One way to improve the work is to make a tool that can control or monitor something, one type of control that is very regular is to use Android. Water is a source of basic human needs, especially for drinking. For android users with applications to control and monitor drinking gallon water can greatly help the admin logistics for monitoring gallon water and can monitor our drinking water usage whether we have enough or not consuming water every day. To overcome this problem, a smart dispenser monitoring system was created that can be accessed via the Android application. Made from microelectronic components including LoadCell Sensor, and NodeMCU ESP8266, to make time and work more efficient. This tool is able to measure and monitor our water expenditure every day so that we can find out a lot of water according to weight and can meet the needs of water for our bodies, if water enters the glass then the mass of water will be measured and the amount of mass of water nominated will decrease according to the water taken to the glass.

Keywords: Automation, Monitoring, Mass and Water