

ABSTRACT

Water is a major human need, the community used to meet drinking water needs by boiling water and boiling water into drinking water vessels, for today's busy people, many of whom turned to using gallons and dispensers as a place to store and collect drinking water. besides practical, the use of gallons and dispensers is considered more hygienic and fast. But the existing dispensers still have some limitations, among others, users still have to focus on glasses or cups that are being filled with water so that the water does not exceed the capacity of the glass or cup, and also users may not realize if the gallon water has run out. In this final project, automatic dispensers are made using ultrasonic sensors and water level sensors. Ultrasonic sensors are used to detect glass, water level gauges in a glass, and water level sensors used to measure the height of water in gallons, this dispenser is controlled by an Arduino microcontroller.

Keywords: Automatic Dispenser, gallon, Arduino, Ultrasonic sensor, Water Level Sensor