

ABSTRACT

In the middle of society growth in Indonesia, water has been a precious commodity to support basic live of Indonesian people, 20 liter is a good size of water per person although ablution must be counted as necessity, but the misused of water tap causing water wasted to 1 liter per ablution activity.

For those problem the water tap must be regulated to confront right water flowsize, water flow regulated by fuzzy logic with body size scanned by ultrasonic sensor as the input, the right size of ablution water is 625ml to 1030ml, the water tap controlled by servo motor which connected into its tap head.

Keywords : Ultrasonic Sensor, Fuzzy Logic, Water tap, Ablution