

ABSTRACT

The many activities that humans do today, indirectly pollute the water. Even at home sometimes the author forgets about the surroundings. For example, when turning on water forget to turn off the tap and make water wasted, and do not know if it is good to use or not. The design of this volume detection and water quality device aims to know the water quality to be used based on water noise level and water pH to ensure it is good or not to use. So it designed a tool consisting of arduino, GSM module, pH probe and pH sensor module, waterlevel, servo motor, and turbidity sensor module. The goal is to know the quality of the water to be used. after the tub is fully filled the water faucet will automatically close and send an SMS message to android displaying a good water quality message or not using the GSM module.

Keywords: pH, GSM, Water