

Abstract

As the use of water resources by the community increases, the level of waste of water resources also increases. Seeing the lack of awareness and information about water use in the community. The water meter monitoring system at the existing clean water service providers is generally still done manually, i.e. the monitoring of the water meter is carried out by a visit by officers regularly once a month so that the recording of water meters is prone to errors and is inaccurate. Remote and digital water debit measurements need to be done to facilitate measurement without coming to the location. There is also a need to designate usage data that can be accessed by users of clean water services. The purpose of this study is to take measurements of water discharge and display it on web pages. With the technology of the Internet of Things allows automatic meter recording directly recorded on the web. An IoT based water measurement simulation was made with a flow meter sensor and NodeMCU. The tool simulates the measurement of water discharge to determine water usage by using internet services. From this study it was shown that the appearance of water discharge measurement data on the web with IoT can be done. **Keywords:** web, measurement of water discharge, data appearance.

Keywords — Website, Water, Data Appearance