Abstract

Water is a very important source of life for living creatures on this earth. However, with many growths of living creatures on earth, the use of water also increased which made the water supply less. Therefore, water as a very important and high value need must be managed properly. In this study, researchers conducted a trial on one board that had excessive water use. Therefore the researchers will predict the number of Internet of Things (IoT) based water uses that are used in 3 rooms in one board each day. This study was conducted for 6 days. This process is carried out using a waterflow sensor which is a measuring instrument for calculating water discharge. The results of the data obtained will be sent to the Telegram chat application that has been downloaded on the user's smartphone. This study uses the rule base method in which researchers determine their own level of water waste based on existing data. The results of this study indicate that the rule based method can be implemented in monitoring the waste in water used by notifying the level of extravagance through Telegram.

Key Word : Water, Internet of Things Waterflow Sensor, Telegram, Rule Based