Abstract

Water is an important requirement for human survival. The level of water use for daily needs varies depending on the needs of each individual. The increasing need for water is not offset by the availability of sufficient water and added to the wasteful behavior of water can lead to a water crisis. To overcome this problem, a system that can manage water is needed. This system is designed using the Internet of Things (IoT) and uses the Naive Bayes classification method. The system works by reading data from waterflow sensors.The data can then be processed with the Naive Bayes classification method to determine the level of waste in water use. The application of the Naive Bayes method is expected to be able to predict the amount of water use to make it easier to regulate water use. Of the 23 water use data tested by the Naive Bayes method, the results of the accuracy were 90%, of which 23 data were tested there were 22 water usage data that could be correctly classified.

Keywords: water, internet of things, naive bayes.