

Abstract

Flooding is a disaster that often occurs in Indonesia, especially in Dayeuhkolot Region from the beginning until now, and causes very significant damage in life. Due to these problems, we need a system that is able to handle the problem. The system is designed using C4.5 Algorithm Decision Tree method to predict areas that have flood potential based on parameters that is connected to the Internet of Things. The testing results show that C4.5 algorithm has the best performance on data partition 70%: 30% with accuracy 90% to 100%.

Keyword: *Flood, Decision Tree, IoT, Algorithm C4.5, Internet of Things, web*