

Abstract

A natural phenomenon that happens now is where the rainy season is relentless, especially in West Java province. In cities and districts of Bandung, often into areas of high rainfall. So we set up a flood warning system based IOT and android. In this case, we use a water sensor to detect the water level, arduino as a mini-PC, and Android as a receiving apparatus notification flood. The purpose of the flood warning system is to reduce the devastating impact of the floods as well as a warning to flood-prone areas. The methodology used is a literature study, field research, system design and implementation, system testing, analysis of test results, as well as the preparation of the final report. The flow of the flood warning system is where the river or dam in the store several sensors to determine the height of the water, if the sensor has passed the height limit will display the alarm notification to the user in the form of android smartphone that water has increased and potentially have disastrous floods. The output of statistical picture of the water level, which is displayed on the android application.

Keyword : Banjir, Arduino, IoT, Smartphone, Android.