ABSTRACT

Flood Monitroring Application is an early flood detection application by providing flood data so that people can access information in realtime using LoRa tools. This application was made because there is still a lot of information that comes less accurate and right on target. This application is intended for the public to be more efficient and easy to get flood information and the community can prepare themselves if there are things that are not desired.

Flood Monitoring Application uses a flood prototype (flood kit) as a research test tool, in order to test incoming data in real time. Testing also helps with LoRa GPS HAT for Raspberry PI DRAGINO to get data in real time. This application was created using AngularJS and Laravel as a framework for website applications and using the Java language in implementing android applications.

Keywords: Flood, Flood Monitoring Application, LoRa, AngularJS, Laravel