

## ABSTRACT

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*Location detector is a device which has been excessively used in this technological era. The Location detector is usually used to monitor or track someone's position. Nowadays, There are many kinds of location detector such as GPS tracker, smartwatch, glympse and the others. But, to be able to use the device, it needs internet connection. As the growth of technology development, location detector which first needs an internet connection is shaped into device which can be used in offline mode. By integrating loRa and GPS modules, using radio frequency as a data transmission medium, those can build a device of location detector without internet connection needs. From the test results, the System which is successfully built, shows realtime coordinates point of location.*

*Keywords: location detector device, Radio frequency, loRa module*