

## ABSTRACT

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*Tsunami monitoring prioritizes the value of water level sensor data and vibration sensor data. Tsunami monitoring is designed to provide information about tsunami warnings by showing sensor value data from the LoRa Transmitter to the LoRa Receiver using LoRa as a gateway, Arduino, and Raspberry Pi 3, This tsunami monitoring is made to minimize casualties to be alert to the tsunami disaster. The way this system works begins with sending sensor data values from the LoRa Transmitter to the LoRa Receiver which is recorded on the Arduino series, then the LoRa Receiver is connected to Raspi terminal by running a Python script, then it will send warning message to WhatsApp API Bot. From the creation of this tsunami monitoring system, because the tsunami disaster is known to have caused many victims, this system can minimize the victims from the disaster.*

*Keywords : Receiver, LoRa, Arduino, Raspiberry Pi 3, WhatsApp API Bot.*