

## ***ABSTRACT***

*Evacuation process when earthquake disaster happen until now still not effective. When earthquake happen there is still some panic happen because people don't understand about the earthquake evacuation procedure especially when the earthquake happen and people still in the building. So many people when earthquake happen still stuck in the building and doesn't know the emergency exit door eventhought the emergency exit door is exist in the building.*

*In this final project is built prototype Emergency Light that can be use to give evacuation line when an assumed earthquake happen. This prototype uses sensors Accel & Gyro associated with Arduino Uno to process data that obtained from the sensor and will send its data after being processed from the Arduino to be sent via wifi using ESP Wifi and its data will be sent to the Raspberry Pi which function to receive the data that has been processed from the Arduino Uno and Raspberry Pi will forward the data to enable the two actuators that is LED and buzzer will issue an alarm and evacuation line to the emergency exit in case of vibration that assumed as earthquake. The Prototype that build already work properly that suitable for the purpose.*

***Key Word:*** *Emergency Light, Accel & Gyro, Raspberry Pi*