

ABSTRACT

Earthquakes are natural events that cannot be predicted by humans, therefore there are often casualties and damage after an earthquake. With the existence of an earthquake mitigation system in the form of an alarm warning and an auto-cut off system for the community, it is expected that the system can reduce or minimize the occurrence of a damage, loss of life, and be able to increase the level of alertness to earthquakes.

Along with the development of technology, one of the main objectives of this research is that the community can be more alert to evacuate themselves by utilizing the Internet of Things technology on people's lives. Especially in the country of Indonesia which is a country that is at the meeting point of tectonic plates, which means that the possibility of earthquakes is frequent and people need to be more alert and alert for evacuation.

Keywords : *earthquake, Internet of Things, K-Nearest Neighbor.*