

ABSTRACT

The threat of earthquakes received widespread attention, because of its sudden, unpredictable nature, and the time of occurrence was difficult to determine. With the earthquake mitigation system and auto cut off system is a very important factor in society so it is hoped that the system can minimize the occurrence of defects, death, and reduce the damage caused by the earthquake.

The purpose of this research is to allow people to be alert in evacuation which is very important and must be built in every group in the community by utilizing the Internet of Things technology. Therefore, with the research of earthquake disaster mitigation using the Fuzzy method is able to distinguish the harmful vibrations of harmless even with an accuracy of 100%. With the fact that Indonesia is a country that is at the point of tectonic plate meeting, so the chances of the earthquake will occur more often and means the community needs to be more vigilant and cautious for evacuation. Experience shows that destruction from natural disasters can be drastically reduced if everyone is better prepared for them.

Keyword: *Earthquake, Secondary Damage of Earthquake, Internet of Things, Fuzzy Logics.*