

ABSTRACT

TSUNAMI DISASTER ANTICIPATION DESIGN IN LAMPUNG PROVINCE

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Tsunami disaster is a terrible natural disaster. This disaster is a very destructive disaster and causes many casualties. Recorded in world history, a very deadly tsunami occurred in Aceh in 2004 with an earthquake of magnitude > 9 SR and caused tsunami waves reaching 30 meters.

As a result of this event, more than 250,000 people died everywhere. The problem was that there was no early warning to the population about the impending tsunami after the earthquake. After learning a lot about the characteristics of a tsunami, the author collected data obtained from BMKG to conduct a successive search using the Linear Search method.

The application built is a simulation to provide information about earthquakes that have the potential to cause tsunamis with predetermined parameters. If an earthquake occurs that reaches these parameters, a tsunami alert notification will be known by the community around the earthquake.

Keywords: *Tsunami Disaster, Simulation, Disaster Anticipation*

