

## ABSTRACT

The tsunami was a devastating disaster heavy casualties and damage to buildings in the affected area as a result of the massive high-speed ocean waves that swept the land. Indonesia is a country that is very vulnerable to tsunami attacks because it consists of thousands of islands surrounded by oceans and located in areas where active tectonic plates meet [1]. The cause of a tsunami itself can be an earthquake that is centered under the sea, volcanic eruptions under water, landslides under water, or a meteor impact at sea [2]. Based on the above problems, we need a system capable of detecting ocean waves and providing early warning to the public. The system will be designed using the method *naïve Bayes* to provide early warning to fishermen and coastal communities based on the parameters of the speed and height of sea waves connected to the *Internet of things*. Tests using naïve Bayes have excellent accuracy performance between 98% to 100%.

**Keywords:** *Tsunami, Ocean Waves, Naïve Bayes, Internet of Things*