ABSTRACT

There are many natural disasters that have occurred in Indonesia, including earthquakes, tsunamis, landslides, floods, and others. The cause of the potential occurrence of this natural disaster is because Indonesia is located at the confluence of the Eurasian, Pacific, and Indo-Australian plates.

The information obtained on social media is growing very quickly and more effectively. When a disaster occurs such as a flood, social media works to inform users where the disaster occurred. In this paper, we use Twitter as a place to search for data. Twitter has been used successfully as an emergency service to inform the public of current developments. To get information we can search with relevant hashtags to find out where the incident occurred.

The results of this test will display a map of the territory of Indonesia and the point of occurrence of the disaster is taken by geolocation on the tweet data. The classification process will use the Naïve Bayes method. This grouping process is carried out in each region in Indonesia in real time. In this study, an accuracy value of 75% was obtained based on the value of fold 3 in the k-fold cross validation test.

***Keywords**: Natural Disaster, Twitter, Naïve Bayes.*