ABSTRACT

Mental disorders are disorders in which a person has the anxiety, emotions, and behavior of a person who lacks mental function. Until now, someone who has a mental disorder is still confused about who to tell, because there are still many people around them who are still not educated on mental health, so sufferers are embarrassed to tell what they feel. In this digital era, the development of the virtual world is very wide so many social media users sometimes share their daily stories on social media, one of which is Twitter. So that more or less Twitter users often share via tweets in their daily life. This means that someone who has a mental disorder can tell things that make his mind disturbed through tweets. With this, it is necessary to detect someone who has symptoms of depression on Twitter users which aims to determine the extent of depression experienced by someone using the ANN (Artificial Neural Network) method. This research has been tested by getting 73% accuracy, 80% precision, 100% recall, and 89% f1-score tested from 142 users.

Keywords: depression, Twitter, ANN, TF-IDF