

ABSTRACT

Mental health issues, especially depression, are a significant factor in suicide in Indonesia. In today's technological developments, people tend to express what they feel through social media rather than having their mental condition checked by a psychologist. This research will compare the performance of Logistic Regression and Naïve Bayes methods in detecting depression based on tweets on social media X. These tweets are the result of crawling from respondents who have filled out the DASS-42 questionnaire. The processing carried out will involve the process of data retrieval, data labeling, data preprocessing, data sharing, model application, and result evaluation. The performance results of each method will be calculated using F1-score to evaluate the results. Apart from that, testing will be carried out to find out the combination of parameters and feature extraction methods that can produce the best performance.

Keyword: *depression, Logistic Regression, Naïve Bayes, DASS-42*