

ABSTRACT

Governments in various countries around the world have taken steps to implement vaccination policies as an effort to overcome the Covid-19 pandemic. The policy has triggered a variety of reactions from the public, ranging from support to rejection, expressed through opinions or personal experiences that they share. These thousands of comments from the public are a valuable source of data to be analyzed to understand the public response to the Covid-19 vaccination policy. One method that can be used to evaluate public opinion is sentiment analysis. In this study, the data used was obtained from Kaggle, which provides a dataset of tweets about vaccines such as Sinovac, Moderna, Covaxin, and Pfizer, which have been manually annotated as positive or negative. The method used is classification using logistic regression to categorize public opinion on vaccination policies into positive or negative sentiments. After building the best model based on the training data, testing is performed on the test data. It is expected that the resulting model can accurately classify public opinion regarding vaccination policies.

Keywords: sentiment analysis, covid-19, twitter, vaccine, classification, logistic regression