Abstract

Twitter is one of the many social media users who tell a wide variety of events so it is necessary to classify topics into high accuracy for better information retrieval. Therefore, the authors conducted research to overcome this problem by dividing a number of Twitter topic trends. The weighting used is TF-IDF by using Naïve Bayes. The best accuracy on TF-IDF weighting using the Naïve Bayes classification is obtained in the training data scenario, the 80:20 testing data is 57.08% and has an f-measure value of 0.52. The first trend detected from data collection from July 25 to August 28 is politic with a percentage of 26.88%, then second senbud with a percentage of 8.65% and a third with 8.27% hukam.

Keyword: *Twitter*, Naive Bayes, TF-IDF, Topic.