

Abstract

Indonesian Twitter Community is currently busy discussing the issue of moving the capital city, people are very eager to share their opinion in various expressions. This form of expression was alleged as a form of society expressing their opinions and arguments. This research uses a Dataset from Twitter that discusses recent hype about Moving Indonesian Capital. The goal of this research is to be able to identify an argument using Multi-Class Support Vector Machine (SVM), and Multinomial Naïve Bayes (MNB) classification methods with feature extraction TFIDF. Variation of Twitter data characters that have a lot of noise will be a challenge in this study so that some preprocessing processes will be carried out to overcome this problem. This research will conduct several scenarios of preprocessing to discover the best result. We classify data into classes such as class argument, non-argument, and unknown. The best results with an accuracy of 71.42% are obtained by performing SVM with only unigram feature. This research shows that the stopwords feature has effectiveness depends on which feature combination is implemented in the model.

Keywords: *Argument Mining, Support Vector Machine, Multinomial Naïve Bayes, Klasifikasi Teks, Twitter, Pindah Ibu Kota*