Abstract
Argumentation is an activity with the aim of increasing or minimizing the controversial point of view of a statement to be more rational. The use of arguments can be found in various text data such as news, essays and articles. Argumentation Mining aims to identify the components and relations of an argument. In this study, the classification of component arguments, namely premise and claim, is used to extract structural and syntatic features using the Naive Bayes model. In the test, there are several test scenarios, namely the use of feature extracts with a critique of 3 bin and 5 bin, laplacian smoothing, the use of stopword, and the use of lemmatization with 10 fold data sharing. Tests on the extraction of syntatic features with stopword usage scenario, laplacian smoothing, and discretization of 3 bin get the optimal accuracy value of 82.02%.

Keywords: *argumentation mining*, *structural*, *syntatic*, *laplacian smoothing*, *naive bayes*