## **Abstract**

Argumentation Mining aims to automatically identify the argument of unstructured data from natural language text that is unbranched or also called unstructured natural language text. Naïve Bayes Classifier is one method that can be used in the classification of sentences, because it can provide accuracy results to the text of the argument to be analyzed. In the test, using the Data Preprocessing process without Lemmatization and 10 fold data distribution to get an optimal accuracy value.

Key Word: Argumentation Mining, Unstructured natural language text, Naïve Bayes Classifier, Data Preprocessing, Lemmatization, Fold