

## **ABSTRACT**

*Multi Document Summarization is a method to generate single summary from several documents which have similarities or interconnected. This method is helpful in solving the problem of overload information, because it generates a document summary of the documents to be read instead of having to read the many documents, without losing the main sentences from the documents.*

*At this Final Project, Multi Document Summarization is implemented by using Agglomerative Clustering and Sentence Specific Feature Extraction. In the implementation, the testing scenario is did by inputting 5 documents, 15 documents and 30 documents. It is figured that clustering using agglomerative clustering for 5 documents and 15 documents can generate a cluster which has best cluster variance in about 70% termination condition. Whereas clustering using agglomerative clustering for 30 documents can generate cluster of documents which has best cluster variance in about 40% termination condition. By looking through all testing, it is found that clustering for 5 documents and 15 documents generate a better cluster than clustering for 30 documents base on cluster variance value. Testing for the result of summarization is did with 10%, 20% and 30% compression rate. By using ROUGE Evaluation toolkit, the best summarize generated on 30% compression rate base on F-Measure value.*

*Key Words : clustering, document summarization, compression rate, sentence specific feature*