

## Abstract

In this information technology era recently, the availability of electronic news is very needed by the people. But sometimes a very long writing can cost the reader a very long time too to read it. To handle this problem, we need a system that can create a summary from those articles or documents of text automatically

This thesis implements a relevance measure (TF-IDF) that use weight concept and Latent Semantic Analysis to identify important sentences semantically that is useful to result output an extractive summarise. In an application of this system , first documents or articles must be preprocessed, then extracted to be token and continued by stopword removal process in advance result of summary output.

Testing of this system use ROUGE evaluation. In testing result, it shows that modified TF-IDF better than usual TF-IDF. Then, LSA method also show best accuracy if we compare with TF-IDF or modified TF-IDF method.

**Keywords:** *LSA ,text summarization, preprocess, relevance measure(TF-IDF), stopword removal*