

## Abstract

Growing of amount of informations at present generates problem in the form of finding relevant document to the need accurately and quickly. Information retrieval system can assist to solve this problem.

Information retrieval system consist of indexing subsystem and matching(searching) subsystem that cultivate the document collection and query to get the relevance document. Savoy method that is implemented in searhing subsystem, will return the relevance score based on similarity between document and query. The relevance score will be accumulated for all of the query, therefore the total score could be retrieve.

In this final project used TF and IDF method for comparing. Testing implemented in all Dataset, ADI, CRAN, MED, CISI and also implemented by increasing the total document in the MED dataset. TF, IDF, and Savoy method give the same precision and recall value for each methods. Savoy method give the highest IAP value than TF and IDF value.

**Keywords:** *information retrieval, term weighting, Savoy.* .