Abstract

Information retrieval system is used to retrieve relevant information to user's need from a set of information automatically. That particular information is represented in a query. Information retrieval system is said to be ideal if it can retrieve only the relevant information. Term in query or information set can have morphologic variation so that different form of term is not considered equivalent by system.

In information retrieval system, stemming is used to limit variation of different form words to be their basic form, so that it can increase sistem's capability in retrieving relevant document according to given query. In this final project, an information retrieval system implementing stemming technique using Jelita Asian algorithm and Arifin&Setiono algorithm.

Jelita Asian algorithm and Arifin&Setiono algorithm is a development of prior stemming algorithm for indonesian text. Jelita asian algorithm is developed by jelita Asian in 2005, whereas Arifin&Setiono algorithm is developed in 2002. The difference between these algorithm is in the processs of affix omission in indonesian word. For jelita asian algorithm, suffix omission process is conducted first in affix omission process, where in Arifin&Setiono algorithm prefix omission goes first.

Keyword : *information retrieval system, stemming, Jelita Asian algorithm, Arifin&Setiono algorithm*