

Abstract

A large number of *web* pages over time continue to grow rapidly, causing the number of alternatives to obtain diverse information sources. Because of the many *web* pages, sometimes user become difficult to obtain *web* pages as they wish. Until now, use the search engine is the best solution to solve the problem.

Ranking is a very important component in any *Web* search system. Most users will only visit the front page or some next page of the site and usually will ignore the following pages, this things which makes the function of ranking in the search system is essential. In the current days, ranking *web* page can not be separated from the role of link contained on these *web* pages. The popularity of a *web* page based on many other *web* pages that refer to the *web* page. The more popular a *web* page then the position on the search engine will be higher.

There are many types of algorithms that use the link as a basic principle. One is the algorithm is *InDegree*. *InDegree* algorithm is an algorithm based on page popularity as a ranking factor. The popularity is measured by how many links that refer to the *webpage*. In this final project I will analyze the performance of *InDegree* algorithm on Information Retrieval system. From the test results obtained in this final project is obtained that the number of documents and rootset that were *crawling* does not affect system performance value. From the test results are also obtained that the threshold limit values affect the performance of search engines.

Keyword : *web page, link, ranking, popular, InDegree Algorithm, Information Retrieval, Search engine*