Abstract

The process of ranking in search engine was often forgotten, where usually the developer of the program are more focussed to find the right method so that results of the search more accurate and more similar with the user keyword. Where sometimes results of the search – was wanted by the user was gotten in the place that most behind. It was caused by results of the search only put in order based on the newest data. To overcome this problem will be discussed a process of the ranking inside search engine by using the pagerank method.

Pagerank was link analysis algorithm that gave the weight against each link in a document like the page web, with the aim of measuring the level of the interests of the other document. Pagerank use linkbetween the document to carry out the calculation in the process of the ranking of the document web. Where the level of the interests of a page web really will be determined and was influenced by the other page.

In this project, we analysed and implemented the process of the web page ranking by using pagerank method. Here will be show how the process of the calculation pagerank, the process happened in a re-cursive manner where one rangking will be determined by rangking from the other page that had link to this page, as well as several testings that were done towards several datas and condition.

Keywords: *pagerank*, *search engine*, *link*