

Abstract

Al- Qur'an as Scripture and law compulsory moment by more than one billion Muslims in the world. Documents of the Qur'an and Arabic-derived, leading to lay people who do not understand the overall meaning of the Qur'an it becomes difficult to find topic or meaning that you want to search in the contents of the content of the Qur'an. This thesis aims to analyze the comparison between the information retrieval with information search combined with three processes in the Wordnet apply synonyms, hipernim, hyponymy in the search process said the Qur'an translations. Three of the process will be in search of the most optimal way how in the process of the relevance of the words in a corpus of translations of the Qur'an through discussing inputan queri form word/phrase/sentence. This method is used in its current status is in the analysis is a method of information retrieval by vector space models are efficient and productive tlah stated in finding relevant documents. Comparison and proof in the can with calculating the final process of information search consisting of tokenization, stopword removal and derived. The results of the process will be a reference originated in the process of the vector space model as the basis for the process of entanglement in the contents of the content of the Qur'an tlah in combine it with a third process of Wordnet. For example if there is an input phrase suppose the name of the Lord God who gives life to the humans and Demons with a test letter is a letter No. 55, then the system will produce precision & remember to Wordnet synonym, hipernim and generic respectively amounted to 90.5% and synonymous to 65.7% ,0% and 0% for hipernim, 7.8% and 12.9% for hiponim whereas for information searches that do not use Wordnet generate 61.53% to Precision and 63,8% for Recall. The results of the system analysis provide a conclusion for its current status is that the information retrieval process combined with the Wordnet synonym results linkages more words and kurat compared with ordinary information search and combined with hipernim and hiponim.

Keywords : Al-Quran, *information retrieval*, *Synonym*, *Hipernim*, *Hyponymy*, *precision*, *recall*, *corpus*, *Wordnet*, *vector space Model*.