

# QUERY EXPANSION ON INDONESIAN LANGUAGE INFORMATION RETRIEVAL USING THESAURUS

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## **Abstract**

Query expansion is a common technique for fixend query in order to yield a better Information Retrieval result. Using a Thesaurus is a way for fixend query. Thesaurus is a dictionary of words and terms which collected and filtered by correlation of meaning of the word, like synonym, antonim, hyponim, and hypernim. This research is intended to analyze the effectivity of query expansion using Thesaurus Global Analysis Method. The document used is a thousand agricultural document and 93 medical herb document. The weighting method used is Tf-Idf. The maximal result that the thesaurus could gains of yield the Information retrieval result is by using two-word length query. Query expansion method using thesaurus has better result than using language dictionary and pseudo relevance feedback document segmentation. The query length and taking of some number of word group in thesaurus will affect the result of information retrieval.