

## **Abstract**

Search engine is a very useful media along with World Wide Web development. A changing situation of web document which is an information source to a search engine makes it routinely update its index files. Therefore, it is needed an effective indexing method to solve this problem.

This Final project explains about indexing methods comparison between static indexing and dynamic indexing. Static indexing is a one-pass process indexing while dynamic indexing is an indexing which needs combination from two file indexes. Data gainings for both implemented indexing methods done by web crawler which is using the role of mobile agent.

Testing results show that in reindexing update, dynamic indexing has better performance from time using, while static indexing has better performance from memory using. This method is also good for early development to an index file because it yields better time performance.

**Keywords:** *indexing, dynamic indexing, website, crawler, mobile agent*