

## **Abstract**

The final project creates a system that can retrieval information in cross language. This system wished can translating query to the other language, and than wished can indexing and to find out the document in the different language.

This system implemented vector space model namely a type of model in *information retrieval* whose decide similarity betwen document with query that representating document and query into a vector. Cross-language information rertrieval system wished can accomodate the user need to get a relevant document from different language with the query language. The document collection that used in this work are indonesian language document and english language document.

In query translation, translation used a similarity value statistic technique better than first translation and all translation. Performance of Monolingual Information Retrieval system better than Cross-Language Information Retrieval.

**Kata kunci:** similarity value statistic, cross-language information retrieval