ABSTRACT

IMPLEMENTASI OF SUPPORT VECTOR MACHINES FOR BOOK INFORMATION RETRIEVAL AT LOCAL LIBRARY BANDUNG WEST JAVA PROVINCE

By:

RIKI HIDAYAT

10108371

Based on interview results with some library visitors can be concluded that in order to find information book, only a few visitors who already know about book identity which they want to seacrch. However, most visitors didn't know about book identity which they want to search but they only know about description of information book as their needed. Depend on that problem need to build a information book retrieval system that can find information book as visitors need dynamically. Dynamically in this research mean that inputs to the system not only book identity such as title, author, publisher, etc., but also description of book information as visitors need. Moreover, visitor can judgement book information by relevan or not as a feedback for system then system can retrieve book information more relevan.

This research, build information retrieval book system. The objective in this research is to find a book information as visitors need. This system build by implementing methods vector space model and support vector machines.

The research results can be concluded that information retrieval book system made visitors to find a book information as their needed easily. Moreover,

methods vector space model and support vector machines can be implemented to develop information retrieval book system.

Keyword : information retrieval book system, vector space model, support vector machines