

Abstract

Keywords play an important role in understanding the content of the text as a whole. Keywords will help the readers to find core/topic from the text fastly without we have to read the content of the text as a whole. Because of keywords are the smallest unit that expresses the meaning of the whole documents. Keywords extraction is extraction process to find words that considered be important and they that can represent the contents of documents. In this Final Task, the writer use Hidden Markov Model to extract the keywords.

Hidden Markov Model (HMM) is a model of a system that assumed a Markov process with unkown parameters, and the challenge is to determine the hidden parameters (hidden) from parameters that can be observed (observer). From the state that can be observed, we can determine the hidden state. In this Final Task, the observed state is every words in paper abstracts has done preprocessing, and the hidden state is keywords of the paper abstracts. HMM's performance in keywords extraction can be determined by calculating the value of accuracy. Keywords and the best accuracy in this system was obtained using probability weights $\alpha = 0.1$ involving the identification of phrase.

Kata kunci : Keywords Extraction, frase, Hidden Markov Model