

Implementasi dan Analisis Pencarian Semantik Pada Hadits Terjemahan Bahasa Indonesia dengan metode *Vector Space Model*

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Abstract

Hadith is the Secondary of Islamic Scripture after the Qur'an and a guide of life for Muslims in the world. One way to find the linkage between chapters in the hadith requires a similar phrase in that hadith. Therefore, it takes research for searching a relationship between Hadiths so that Muslims can understand a chapter in the Hadith as a whole. There is a method to find similarities and interrelationships between phrases that is Vector Space Model. Vector Space Model can represent the meaning of a word and measure several vectors as the comparison of distance between words. For example, the word "Sembayang" and "Shalat" are linked because basically its a worship. Evaluation of the Space Vector Model method is calculating the similarity between the phrases based on user's query so that the relevant documents are obtained. In the preprocessing stage, implements indexing by using frequency-inverse document term method. Where the frequency is calculated from word appearance on each subtopic document that has been predetermined. Results of this research obtained Mean Average Precesion of 1.0 and recall of 0.79.

Keyword: Hadith, Space Vector Model, Mean Average Precision and Recall