Abstract

The ease of the community in accessing information such as online newspaper media that provides updated and updated news that is often discussed in the community. Currently there is still a lack of public knowledge to discuss the information of the news with the verses of the Qur'an and the Hadith, one of the efforts that can be used for this problem, then made the search mechanism of verses of Al Quran and Hadits to the content of news by grouping the content of the news.

This system uses the online newspaper media to search for the verses of the Qur'an and the hadith associated with the news you want to get. The WIDF (Weighted inverse document frequency) method is used to find verses of the Qur'an and Hadith. WIDF is an extension of TF-IDF (Term frequncy inverse document frequency). The TF-IDF method is a weighting often used in informational retrieval and text mining. WIDF a term in a text is the ratio of the frequency of terms in the text to the sum of the term frequencies in a set of texts. From the test results of 3 documents featuring 5 suggested words to display the relevant verses of Al Quran and Hadith, we get the average weight value of TF-IDF 6.553334324 and WIDF 14.83333334 while the precision value of Al Quran 53% and Hadits 73%.

Keywords : *News, Text Mining, IR(Information Retrieval), TF-IDF(Term Frequency-Inverse Document Frequency),* WIDF (*Weighted inverse document frequency*) .