Abstract

Religious lecture material ideally discuss the information being updated in the community. However it is still rare, because the material is still discussing the lecture given less information updates. The update information can often be encountered from various online media such as kompas.com news and such. Of the problems it is made of a system that can help get the update lecture material. The system uses an online media news to find verses in the Qur'an and the Hadith related to the news you want to search. Methods *TF-IDF (Term Frequency-Inverse Document Frequency)* is used to obtain Quran and Hadith to search. Where the *TF-IDF* method is often used in the weighting informational retrieval and text mining [12]. Paragraph displayed in this system are four verses in the Qur'an and Hadith. From the test results, a system capable of providing precision value by 75% to Quran and Hadith with 66% for the average execution time of 4.3 seconds.

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