

Abstract

Studying the Qur'an by understanding the Qur'an's vocabulary so that understanding its meaning is not easy. Then we need a Qur'anic vocabulary encyclopedia that focuses on explaining the meaning of the words in it. The development of encyclopedias used automatic text summarization with the TextRank method because from one query that is searched there are many meanings of words that must be summarized. This method starts by selecting documents that are relevant to the query, then summarizes the selected documents using the TextRank method so that they get a summary based on all the word meanings, finally testing the summary results by the system by comparing them with summary targets that are constructed manually by humans. The application of the TextRank method for automatic text summarization has an average value of F-Score 0.6173. The results of automatic text summarization using the TextRank method are no duplicates, and for some queries, it is almost the same as the summary results created manually by humans.

Keywords: Automatic Text Summarization, Cosine Similarity, TextRank, F-Score;