

Abstract

The Quran consists of 114 letters, verse 6236, and 77 845 word content showing huge of information to be used as human life literature. Looked at from the content that is quite a lot, it takes a long time for people especially Muslims in tapping the information contained in The Quran. However, by utilizing advances in technology and the information available at this time, it did not take long for Muslims to get the information contained in The Quran. One of the technological innovation in exploring the information contained in The Al-Quran is a system that can do a word search on the text of the Quranic verse. Generally a word search on The Quranic verse which is currently developing is a word search using aksara and spell on Arabic language. It will be difficult for someone who is not fluent in Arabic language and writing in Arabic script would be difficult for someone because in Arabic script when people will be writing, they must have additional hardware connected to the search system. In addition, the system searches only The Qur'anic text search by writing matches the query with the same spelling by writing text verse of The Quran, so in case of writing errors, the system will not showing of the search results based on the query. A typing error occurred because the information obtained is not clear or is not appropriate, such as the information obtained by the pronunciation of the text verse of The Quran by someone. Based on the problems already mentioned, the research aims to establish a system of the search for text verse of the Quran based on similarity of speech, devoted to the similarity of speech or pronunciation in Indonesian. The Qur'anic text used is the text of Qur'anic verses changed in Latin script. Research using doublemetaphone algorithm, which searches the text of Al-Quran verses were made to match the writing based on similar speech. Matching the search query are based on the phonetic code, the code that translates information based on the similarity of speech. From the results of this research obtained a precision of 0.80, recall value of 1, and the correlation value of 0.83. This shows that the system in this research can do a search verses of the Quran based on similar of speech.

Keywords: *Al-Quran, doublemetaphone algorithm, phonetic code matching.*