

Abstract

The Qur'an is the main holy book for Muslims written in Arabic. Along with the development of technology, the Qur'anic verse search system based on phonetic similarities have been developed, one of which is Lafzi. However, from the existing system, it cannot handle the difference in sound at the stop sign properly. Therefore, there must be a system that could assist users in conducting verse searches of the Qur'an, especially for different sounds at the stop sign so that the search can find different pronunciation words at the stop sign. Based on these problems, from the existing search system, development is needed in order the search system could handle different sounds at the stop sign. To estimate string matches between queries and transliterations of verses of the Qur'an, trigram indexing is used. Rules are also made for the input with the final letter 'T' to 'H'. The existing system gets a recall value of 81% and an MAP value of 65%. Whereas the results of this work obtained a recall value of 100% and a MAP value of 84%.

Keywords: Qur'an, search system, phonetic string matching, trigrams