

ABSTRACT

New research has found that making the Quran in digital version. However, in general, the existing software only uses Exact String Matching techniques to perform information searches (verse). And if the user of this software made a mistake in writing the keyword, the software will not find the words (keywords) that want to be found. Therefore, the purpose of this study is to establish a system search with phonetic techniques or matching words based on pronunciation (Phonetic String Matching) which can be used to overcome these problems.

By using the algorithm Metaphone and Dice Similarity search system Qur'anic verse will perform String matches based on pronunciation with a precision value by 54% and the recall value of 100%. Also correlation obtained by 82%.

Keywords : *Phonetic String Matching, Exact String Matching, String matching, akurasi, Al-Qur'an.*