

ABSTRACT

Al-Qur'an is a holy book of Islam around the world, which is used as a guide and can be practiced on everyday life. Because the verse of Al-Qur'an is written in Arabic language, then the verse search using Arabic language is a must, this might be difficult for people that want to learn about Al-Qur'an, but doesn't have the ability to writing and reading the Arabic language. For now, there are many application or system that can help people for Al-Qur'an verse search. But, sometimes people wrong about the pronunciation. This will make the system cannot found the verse as a result. According to that problem, searching system with inexact string matching method that can read the query by phonetics is created by applying the Metaphone algorithm to convert the string to phonetic code and Jaro Winkler algorithm to measure the similarity between the strings. On this research the combination between Metaphone and Jaro Winkler algorithm on this searching system got result of 83% MAP value and 81% recall value.

Keywords : Al-Qur'an, phonetics, short query, inexact string matching, metaphone, jaro winkler