Sistem Pencarian Ayat untuk Perbedaan Bunyi pada Al-Qur'an Berdasarkan Teks Kemiripan Fonetis

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Abstract
Al-Qur'an has a lot of content, so the system of searching for verses of the Al-Qur'an is needed because if it is done manually it will be difficult. One of the search systems for the verses of the Al-Qur'an in accordance with Indonesia's pronunciation is Lafzi. The Lafzi system can search for verse fragments using keywords in Latin characters. Lafzi has been developed into Lafzi +, wherein the Lafzi + system can be used to search verses of the Al-Qur'an with different sounds on stop signs. However, the Lafzi + system cannot yet be applied throughout the Qur'an. Based on this problem, the system needs to be developed so that it can be applied throughout the Qur'an. The method used in the process of searching for the verse is the N-gram method. The N-gram used in this research is trigram. The process flow of this system is first normalized in the phonetic coding process after normalized then tokenization of trigrams and then trigrams are matched between the query and the corpus and entered into the ranking process to get an output candidate. The results of this research obtained a MAP (*Mean Average Precision*) value of 87% and recall of 100% .

Keywords: phonetic search, trigram, al-qur'an