ABSTRACT

Detecting isim ma'rifat, or definitive nouns, in the text of the Qur'an and the book Al-Muwatta Imam Malik is a challenge in Arabic language analysis because of the presence of diacritics that add complexity to the search. Current systems are often less accurate in recognizing certain words due to variations in writing and use of diacritics. This study aims to provide a solution to detect and analyze isim ma'rifat more effectively.

This topic is important because the analysis of the text of the Qur'an and hadith requires high accuracy in interpretation. Currently, Arabic text-based searches are often hampered by the presence of diacritics, which can lead to less relevant results. By simplifying the text through the removal of diacritics, the process of identifying isim ma'rifat can be done more easily and accurately, thus supporting academic and religious needs.

The solution is to design the Quranpedia application by implementing the remove diacritic method. This system removes diacritics from the text to simplify the analysis, while using the white-box testing approach to ensure the accuracy of the functions developed. Data from the Qur'an and the Al-Muwatta book of Imam Malik were used to validate the results.

The test results showed that the application was able to detect isim ma'rifat with high accuracy in the text of the Qur'an and the Al-Muwatta book. The implementation of the remove diacritic method proved effective in simplifying the linguistic analysis of Arabic texts. This system makes a significant contribution to the development of Quranpedia as a more sophisticated digital-based source of Islamic knowledge.

Keywords: *isim ma'rifat, al-qur'an, al-muwatta, remove diacritic, arabic text analysis, quranpedia*