

ABSTRACT

HADITS CLASSIFICATION INFORMATION SYSTEM BASED ON NAÏVE BAYES CLASSIFIER ALGORITHM

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The development of information technology has grown rapidly and is widely used as a medium for learning and searching for information, as in searching hadiths based on hadith labels and narrators. Hadith is the second guide for Muslims life after Qur'an. Presentation of the hadith being recorded makes it difficult for many people to find the hadith they are looking for because the search process is still carried out manually with large amounts of data which is not small so this method will waste energy and time. This research aims to help the public in their search hadith that matches the label and narrator.

The software development method used the waterfall method with several stages such as needs analysis, system design, writing program code, system testing, and maintenance by applying algorithms Naïve Bayes Classifier. This classification process involved several stages such as: preprocessing text, such as case folding, tokenization, filtering/stopword removal, stemming, training, and prediction which ultimately produces output about related hadiths along with their labels and narrators.

The results of this research were an information system and a search for hadiths with labels as well as the narrator by applying the Naïve Bayes Classifier algorithm-website based.

Keywords: *Naïve Bayes Classifier, Hadith Classification, Text Preprocessing, Information Technology*

