Abstract

Hadith is a guide in Islam after the Al-Quran which is used as a source of law in Islam. However, there is a problem when determining which hadith are suggestions, prohibitions, and information. Therefore, text classification is needed to classify hadith into one or more sugesstions, prohibitions, and information, which is called multi-label classification. The problem in text classification is that there are many features, so it is necessary to select features with the aim of trimming the existing features and then determining which features have the most influence on the target class. In this research, Chi-Square is used to perform feature selection and Support Vector Machine (SVM) to perform text classification. By using the Macro F1-Score performance as evaluation method, the results obtained when using Chi-Square and SVM wich is 75.32%.

Keywords: hadith, text classification, multi-label, chi-square, support vector machine.