

Abstract

Technology plays an important role in the teaching and learning system of hadith. Many Muslims use online media as the main source from islamic information or knowledge. Knowledge Graph is populer knowledge representation. Currently, hadith experts use the Knowledge Graph only to describe the sanad and the hadith. The studies that focus to relating one hadith to another from the side of the meaning just a little. Therefore, this Knowledge Graph study was made with the aim to validate the completeness and correctness from the Knowledge Graph. The Knowledge Graph in this study built with Python NetworkX and the result were validated for completeness and correctness. In the system validation process, hadith expert and qahadith.herokuapp.com were involved to measure the completeness and correctness of the system calculated using TopN Accuracy. The results obtained in this study are the hadith issued by Knowledge Graph are the same as the original data and the original book. For application performance obtained by using Top1 and Top5 Accuracy are 46,6 percent and 53,3 percent.

Keywords: Hadist, Knowledge Graph