ABSTRACT

MUSTHAFA TANFIZ SYARIAT WALAYATULLAH. Development of Java Based KG_EDITOR for Adverbs. Supervised by SRI NURDIATI and AHMAD RIDHA

Knowledge Graph (KG) is one of natural language processing representation methods in explaining and modeling natural language. This method is able to cope with text ambiguity. BogorDelfConStruct is the first KG application developed in Indonesia using MATLAB; however, this application requires MATLAB which is a closed platform application. Previous research has produced 21 word graph patterns for adverbs. This research developed a Java desktop application called KG_Editor that can be used to analyze adverbs using KG. Modules needed by KG_EDITOR are word graph component module and adverb word graph generation module. Generally, KG_EDITOR development has been able to recognize 21 word graph patterns for adverbs in accordance with the previous research.

Keyword: adverb, knowledge graph, word graph, Kamus Besar Bahasa Indonesia (KBBI)