

ABSTRACT

Research about Quran in the field of computational linguistics is very interesting and useful if it viewed from how important Quran is for the Muslims because it is the holy book of Islam. This research aims to establish a synonym set of Quran because nowadays resources to conduct research on Al-Quran can be said still not enough. The dataset used in this research is the english translated noun from the Quran. To produce synonym sets, this research groups word using a hierarchical clustering method and the distance between words is measured using path similarity from WordNet. The evaluation of this research results gained F-Measure value 83% which is the suitability of the results of the synonym set by system and synonym set results by linguist.

Keywords: Quran, synonym set, thesaurus, WordNet, clustering