

## Abstract

Al-Quran is a holy book of Muslims who serve as a guide of life. Therefore, it is very important for Muslims to understand the meaning of the Qur'anic verse as a whole. The understanding is not only in the Qur'an in a single translation language, but also in different translation languages. Through this research, researchers provide solutions to these problems with analysis and implementation of Cross-Lingual Semantic Similarity on the translation piece of Al-Qur'an verse using Word alignment and Semantic Vector approach. The experimental result shows that correlation value of using combination of Word Alignment and Semantic Vector method is 0,62007, while correlation value using Word Alignment method is 0,63231, and Semantic Vector method is 0,34841.

**Keywords:** Al-Quran, Cross-lingual Semantic Similarity, correlation, Semantic Vector, Word Alignment