Abstract

The calculation of semantic relatedness between words have long been used in various applications of Natural Language Processing (NLP) such as Information Retrieval, Question Answering, Machine Translation and other. Semantic relatedness is a method that used to determine relationship between text. Several methods of calculation have been developed based on the structure of the representation provided by ontology which is the corpus and semantic interpretation of many terms. As calculations based approach path, vector, information content, and feature-based measure. In this final calculation on the semantic relatedness in the form of word pairs on WordNet synset pairs based on gloss. To determine the effect of gloss in determining semantic relatedness score then the system is built, the calculation semantic relatedness based on gloss approach. Gloss-based method is a method that refers to the concept contained in a word. The goal of these methods is to measure semantic relatedness on a different concept, where the method of determining the relevance semantic gloss based on the number of overlapping words on each gloss is compared. Overlapping words are word pairs that overlap each other. WordNet is used for the most complete and is the result of years of research from experts in the field of text mining. The results of the implementation of the system is calculated by Pearson correlation to calculate correlation. The results of this research gloss base method is less suitable in determining semantic relevance because of the correlation results obtained are included in the low connectedness.

Keywords *:* Semantic Relatedness, WordNet, Gloss Method, Gold Standar