

ABSTRACT

Frequent writing errors which tend to be the wrong type will affect the information to be conveyed the author through his writings. Hence, the need for word processing that can provide testing facilities in the Indonesian spelling is very important. The system checks the spelling of this word using the edit distance algorithm to find similarities between words as candidates for the correct spelling of words with the assumption that the error of typing the correct spelling of the word due to insertion, deletion and substitution of one character with another character then the Edit Distance algorithm can be an alternative examination that is able to correct spelling and give candidates the right word for every word that mistype.

In this end task, use a Word Directed Acyclic Graph (DAWG) as a representation of lexicon because it can check the existence of a word in the lexicon quickly. From the results of testing the accuracy of the results obtained on the Edit Distance algorithm in giving candidates the right word. The accuracy of candidate words supplied by the Edit Distance algorithm is obtained that is equal to 75.4%.

Keywords: Proofreading spelling of the word, DAWG, Edit distance.