Abstract

One important part of the Information retrieval is stemming. Stemming is a process which provides a mapping of different morphological variants of words into their base/common word. There are many stemming algorithms for Indonesian. Among them is Nazief & Adriani algorithm and Vega algorithms. Nazief & Adriani algorithm eliminates particle by using certain rules, starting from suffix, then prefix. At every step of elimination, it will check whether the word contained in the dictionary. Vega algorithm removes affixes to certain rules, starting from prefix then suffix. Vega algorithm does not use a dictionary. Nazief & Adriani algorithm will be compared with Vega algorithm to measure the performance of both algorithms. To find out the results of Nazief & Adriani algorithms and Vega algorithms, we made an information retrieval system that can show the performance of that two algorithms. We testing the stemming result using some parameters like time, accuracy, Word Conflation Class, and Index Compression Factor. Then both algorithm will be implemented in Information Retrieval System.

Kata Kunci: *stemming, nazief & adriani, vega, information retrieval*