Abstract

This research focused on implementation of Nazief and Andriani algorithm, an algorithm specially developed for stemming for Indonesian Language documents. Stemming is a process where a word reverted to its root word. This process is a vital phase on Informational Retrieval study.

After the implementation, the words that failed to be stemmed are analized to create a new, improved version of Nazief-Andriani algorithm. Then, the improved version of Nazief and Adriani algorithm implemented for once more and compared to its previous version.

It turned out that the new scheme has better accuracy, MWC and ICF indexes than the old one. Meanwhile, another unstemmed cases, unknown to the previous algorithm appeared. However, they were less significant than the succefully handled previously unstemmed word.

Key words: Stemming, Information Retrieval, Indonesian Language