

## Abstract

*Information Retrieval system ideal if the system can find all relevant document without retrieved non relevant. Variation morphology in English word can be likes accelerate, accelerated, acceleration. The fact they are one conflation of accelerate, this is the stemming needed on the information retrieval system. For changed variation morphology from terms to be a root word and readed as one class conflation with the system and to increasing efectiveness, we the author with affix removal stemmer algorithm lovin,porter and the modification of lovin and porter (Lovpot), from the testing with measure of accuracy.*

*In this paper, writer implements Lovin's stemmer and Porter's stemmer also doing modification by combining Lovin-Porter stemmer, if stem result from porter algorithm is compared with earlier term.*

*That's had a conclusion that's accuracy term stemmed its not 100% found the morfology of root word. And with performance and strength measure lovpot algorithm performance is better than porter and lovin cause the precision average of lovpot show increasing.*

**Keywords:** *Stemming, Information Retrieval, Precision, Recall, Algoritma Lovin, Algoritma Porter, Modifikasi Algoritma Lovin-Porter.*