

## Abstract

Opinion is an “expressed statement” that can be told with words, also be explained by sign or other ways which have a meaning and understandable. Those opinions can be very valuable for an enterprise or a production house to judge and raise the service and product’s quality. This final task purposed to do an Opinion classification for document in bahasa Indonesia or generally called as *Opinion Mining*. *Opinion Mining* is extraction process from a opiated document by a source about a specific target.

This final task classified opinion by *unsupervised learning* method without using training set for begin with. The main process in the system consist of two step, automatic *seed word* selection and iterative retraining to extensify *seed word* vocabulary produced before. The accuration for this research is measured by *microaveraging* method resulting that automatic *seedword selection* have better accuration than manual selection, though detecting *seed word* is highly depends on consruction of adverbial and negation in a zone. Classification with iterative retraining by controlling iteration value gibe better accuration than adjusting the termination condition with classification checking.

**Keyword** : *Opinion mining, Automatic seed word selection, iterative retraining, unsupervised learning*