Abstract

As a medium of exchange of information, forums have a very important role in the community. Of the opinions expressed in the forum, not all of the opinion useful, it is sometimes complicate the parties who need the information related. Opinions are not necessary is often referred to as *junk post*. Text Classification is one solution that can classify between *junk post* and the useful opinions. In this final project, method that used for *text classification* is *Maximum Entropy*. *Maximum Entropy* do the learning process using train data to build model as lamda value. In the process of building *Maximum Entropy* model,the feature selection process is done by utilizing the value of TF, IDF and stopword removal. Model that already builded is used to classify test data. In this project, classification performance using features selected through a process of TF produce better results when compared with the use of the IDF also the using of stopword removal have big influence to sistem performance. The evaluation results showed the *Maximum Entropy* method is able to solve the problems of *junk post*.

Keywords: *text classification, junk post, Maximum Entropy, TF,IDF, feature selection*