Abstract

Today, internet's using has made the growth and exchanging of informations become higher than before. And as same as with the volume of Indonesian electronic news. Large number of information can causes the users get into trouble in finding information that they want. *Text Categorization*, which is one of the solution for this problem, which is the task of assigning news to pre-specified categories of news. One of problem in *Text Categorization* is the characteristic data which have more than one label (multi-label).

One of *Text Categorization* method for multi-label case is BoosTexter. BoosTexter is method which developed from original Boosting and designed for text categorization. Boosting is one of *Ensemble Method* for creating a highly precise classifier by combining weak hypotheses.

For evaluating the performance of implemented BoosTexter, we used Hamming Loss, One Error, and Coverage. The result show that BoosTexter can predict all of instances labels and the top-ranked label was in the set of possible labels. But the weakness of BoosTexter is less rank to all of instances labels. Beside that, BoosTexter can not improve iteration error but it can improve overall *error.*

Keyword: *Text Categorization*, Multi-Label, Boosting, BoosTexter.