Abstract

Classification is a method that group a data into one data class depend on that similiarity characteristic with the other data .In this method the data classes have been determined before the process. Classification process can be implemented for indonesian news document using multinominal naive bayes classifier. There is a way to improve the accuration of multinominal naive bayes for classification task by combining this method with artificial neural network method sequentially.The artificial neuron network method is used to fix the linier separating system which was created by multinominal naive bayes method.

The result show that the combined method add accuracy in spite of using only multinominal naive bayes method. Depend on this fact that can be concluded that the combined method between multinominal naive bayes method and artificial neuron network can be used for classifiying Indonesian news document .

Keywords:*Clasification, classifier, multinominal naïve bayes, artificial neural network and accuracy .*