

ABSTRACT

The final task is about the application of the ensemble method in the data mining systems. The use of this method because the ensemble in this process there is a possibility can not be solved only with one method. In this final task ensemble method is a combination of clustering and classification methods. In the method of clustering algorithm used is k-means, whereas for the classification algorithm used is C4.5. Methods of the k-means clustering is used for the process of labeling data, which will make it easier to analyze the results of data. And C4.5 algorithms used in the process of data classification that has a label on the data. Accuracy value obtained in this thesis is 91.91%.

Keywords : *Data Mining, ensemble method, clustering, classification, C4.5 algorithm, K-means algorithm*