

## ABSTRACT

Nowday data is an important component in decision-making. Data can affect the purpose of an organization or company. Data mining is currently becoming a trend. Grouping a set of objects into the classes is a fundamental operation in data mining. After the object is grouped it will get a new information from the new pattern obtained in the data. In a data there is a component called an attribute. Attribute itself to characterize any object that has the same characteristics. An attribute can determine the decision of a data. The most influential attributes of a data can be searched by several methods. This final project describes a method that can measure the level of dependency attribute on a data. Data to be used in this research is marine dataset. The dataset is obtained from the Badan Pusat Statistik. The result of this attribute dependency level measurement will show the dependency level of an attribute on the decision decision on a data. The result of this attribute dependency level measurement will show the dependency level of an attribute on the decision decision on a data. Badan pusat statistik itself does not yet know whether it affects the potential of Indonesian marine products. It is expected that the results of this study will help the central statistical agency improve the potential of Indonesian marine products. From this research, it can be concluded that the two methods are Maximum Depedency of attribute and Min-min Roughness using the same dataset. The result is that both methods have the same calculation accuracy but MDA method is better in terms of complexity. It is said that MDA method only takes one time processing compared with MMR method which require three times processing. From the results of this study marine dataset processed using the MDA method to obtain attributes of Luas hutan pantai as a condition attribute the most take effect in determining the decision on the dataset.

Key word: data, clustering, attribute depedency