

**APPLIED K-NEAREST NEIGHBOR ANALYSIS INTO RANKING
CLASSIFICATION OF INDONESIA COLLEGE**

By: Jus Prasetya

Department of Statistics

Faculty of Mathematics and Natural Sciences

Indonesian Islamic University

ABSTRACT

Classification is a technique by looking at the behavior and attributes of the group that has been defined. K-Nearest Neighbor method is a training algorithm to classify a new data based on the category of the majority numbering of K that training data closest by it (nearest neighbor). The main objective of the algorithm is to classify a new object based on the attributes and sample. In this study discussed clustering college rankings who has been doing by Kemenristekdikti Indonesia in 2015 that consisting of three clusters. By using the K-Nearest Neighbor analysis, a new data can be classified into groups that are already defined. Based on the results of the validity of the data, it can be seen the percentage of similarity clustering Kemenristekdikti with k-nearest neighbors method by 93%

Key Word: Classification, Clustering, Kemenristekdikti, K-Nearest Neighbor