

## ***ABSTRACT***

*In the world of education, there is often a problem of how to determine the level of student achievement with low, moderate, and high categories and find the top rank of superior students in the class. Data mining process by applying the K-Means algorithm is carried out to group data into the form of one or more groups, where data that has representative similarities are grouped in one group and data that has differences enter into another group. Grouping student data is done to make it easier for schools to facilitate students based on their different abilities in learning and following learning which consists of groups or classes of superior and regular students. This research uses the k-means clustering algorithm method which produces accurate superior and regular cluster groupings so that it can be a reference for decision making in determining which students are superior students, and regular students. From the results of the study it was found that there were 108 superior students and 122 regular students.*

***Keywords:*** *K-Means Clustering, Data Mining, Excellent Students, Rapidminer*