ABSTRACT

ALGORITHM K-MEANS ANALYSIS TO HELP MAJOR OF STUDENT AT ISLAMIC SENIOR HIGH SCHOLL COUNTRY BINONG SUBANG

by

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Islam senior high school country Binong, is one of the Islam senior high school country at Subang that conducted the majors students of class X (ten) who will continue the study to class XI (eleven). Constraints are often found in the process majors at Islam senior high school country Binong the difficulty determining where students who meet the criteria to occupy a specific majors. This is because the majors process are still done manually, thus requiring time-consuming and inefficient.

This research will be appointed a case that is analyzing the K-Means algorithm for assign majors students at Islam senior high school country Binong Subang. K-Means algorithm can segment (segments) that have the attribute data and have the amount of data that a lot, so it can be used in determining the student who majors in accordance with students' academic abilities.

Based on the analysis of K-Means algorithm for assign majors student, then the conclusion can be drawn is K-Means algorithm is less precise for decision support systems majors but the K-Means algorithm is more appropriate to categorize data based on the data value of students who can give an idea to student majors

Keyword : Analysis, K-Means, Majors, Value .