

STUDENT ACADEMIC POTENTIAL GROUPING RA TARBIYATUL  
AULAD USING K –MEANS

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**ABSTRACT**

RA Tarbiyatul Aulad a nursery school that has a lot of students. The school is growing quite fast in comparison schools kindergarten others but in the assessment of students in schools is still using manual systems that will slow down the process of assessment.

One student assessment categorization system is based on the average value by using data mining method maens k-clustering. Where k-means clustering is a method of data analysis or data mining methods that membuat modeling making process without supervision and is one method that performs grouping of data to the system partition. K- means clustering method tries to classify the data into several groups, where data in one group have similar characteristics to each other ynag and have different characteristics from the existing data in the other groups.

With the expected method k-means clustering can help in the calculation of the value of students based on grades ujikompentensi students , so that teachers can see which students are able to complete a given task .

Keywords : MySQL , K -means clustering

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