

APPLICATION OF CLASSIFICATION OF POTENTIAL STUDENTS OF MTS AL-
IBRAHIMI USING FK-NN METHOD
(FUZZY K-NEAREST NEIGHBOR)

By

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ABSTRACT

During this time, mts.Al-ibrahimi has problems in determining the potential status of students which in determining the potential status of students the teacher still uses the IMT formula wherein the determination only uses the average score of the report. By using data mining classification techniques using the Fuzzy K-Nearest Neighbor method, predictions or classifications can be done. There are various methods of classifying data and each method has its own advantages and disadvantages. The advantage of this method is that first this algorithm is able to consider the ambiguous nature of the neighbors if any. The second one will have the membership value in each class so that it will give more power or confidence to an instance in a class. Based on the results of the research and discussion conducted, the Fuzzy K-Nearest Neighbor Algorithm was able to improve the accuracy of previous studies with an accuracy value of 100% for the $K = 3,5,7$. the value of accuracy reaches 73.34%.

Keywords :

Data Mining, Classification, Fuzzy K-Nearest Neighbor.

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