CLASSIFICATION OF DISTRICT/CITY IN EAST JAVA
BASED ON EDUCATIONAL INDICATORS OF SMA/SMK/MA
USING C-MEANS AND FUZZY C-MEAN

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ABSTRACT

In East Java has several component of education indicators. Some of the components included in the indicator of education in East Java, net enrollment, the Gross Enrolment Ratio, Numbers Transition, Attrition Rates, Students Repeating Numbers, Numbers Graduation, Student/Learning Space, ratio of Class/Lecture Room, Student/Teacher and Student/School. One parameter is the educational success of GER and NER complete quality education to a minimum of 95%. Based on the parameters of education in East Java is still not maximized when viewed by formal education especially in educational levels SMA/SMK/MA. Based on the information that has been obtained, this study was conducted to determine the district/city where are some that can be grouped by degree of similarity that based on indicators of educational SMA/SMK/MA in East Java by using c-means and fuzzy c-means. In this case c-means method has same performance with fuzzy c-means method. It is based on comparison of icdcrate which only has a value difference of 0.001.

Keywords: C-means, Fuzzy C-Means, Education Indicators and Icdrate.