CLASSIFICATION OF REGENCY/CITY IN EAST JAVA BASED ON SIMILARITY OF EFFECT FACTORS OF OPEN UNEMPLOYMENT LEVEL BY HIERARCHICAL AND NONHIERARCHICAL METHOD

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ABSTRACT
East Java is a province with second largest population and third highest number of unemployed in Indonesia 2010. A large number of residents has a potential to influence employment in East Java, especially on the Unemployment Rate (TPT). Many treatment of the factors which influence TPT must be done to reduce TPT in East Java. But that's not enough because there are some increasing in some districts / cities. It is possible that there are discrepancies with the handling of problems at the district / city. Therefore, the study is conducted to determine the fundamental problems of grouping in each district / city, so that the actions or policies of lowering can be done properly. On the other hand, the study also aims to compare the best method of grouping several methods in the hierarchy and nonhierarchy. Comparison of methods of valuation based on the smallest dispersion, where by six groups, FCM is able to provide the best clustering results.

Key Words: TPT, hierarchical, nonhierarchical, FCM