Abstract

Education quality is a major factor in forming human personality and also becomes one of important sectors in the development of every country. Nowadays, the government starts to do some efforts in improving the education quality. As one of growing area, Sidoarjo district is now begin to look at the education sector to be developed. Therefore, this study aims to help Department of Education and Culture in Sidoarjo to take proper and appropriate policies in order to improve the quality of education especially for Junior High School based on mapping and grouping that were formed. From 145 junior high school located in Sidoarjo, there are only 137 junior high school that meet the requirements to do grouping by cluster analysis according to indicators of education quality, while 8 others do not meet the education standards. The calculation results using standard deviation values in the group and between groups showed that the Single Linkage method gives the best classification result for 137 Junior High Schools in Sidoarjo and grouped them into 3 groups which are good, moderate and less quality of education. The district mapping in Sidoarjo results four district categories, they are category 1 is the district which the Junior High Schools in the area are included into good quality education, category 2 is the district with its Junior High Schools are included into good or moderate quality education, category 3 is the district which has good or less quality education for its Junior High Schools and category 4 is the district which the quality of its Junior High School is divided into good, moderate or less.

Keywords: Grouping, Education Quality Improvement Indicators, Mapping