

ABSTRACT

Public transportation is one of the bases in economic development, community development and tourism. Economic development requires adequate inter-provincial bus vehicles and tourism buses, so that economic development efforts can be achieved as expected. The increase and or decrease in the number of inter-provincial bus vehicles and tourism is often a problem in carrying out daily economic activities. For this reason, the author tries to do a clustering analysis using the K-Means method which is expected to help identify existing problems. The results of testing of 3 clusters and 5 clusters on the number of inter-provincial buses and tourism from 2013 to 2017 indicate that there have been cluster shifts in several provinces. The displacement of these clusters is more due to changes in the economic activities of the community due to the construction of road infrastructure, the construction of tourism sites or the existence of natural disasters which have resulted in an increase or decrease in the number of inter-provincial bus vehicles and tourism.

Keyword: *Public Transport, K-Means, Clustering*