STUDY ON THE INFLUENCE OF THE LAND USE CHANGES OF THE SOUTHERN SALATIGA RING ROAD CONSTRUCTION

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Abstract

Salatiga City Government built the southern ring road in order to break the flow of downtown traffic. On its development, the existence of the southern ring road Salatiga is giving influence to the areas of development around the ring road, especially in terms of land use. The change of land use from agricultural to non-agriculture in the southern ring road which has consequences in the loss of productive agricultural land area and could be threat to the optimality of the function of the southern ring road as a solution of congestion downtown.

The aim of this research is to recommend the control of land change due to the influence of the southern ring road construction in Salatiga city. Analysis stage according to goals and objectives that would be achieved by study of the analysis stage are:
1) Identify changes in land to know the results of the change of land with a descriptive analysis.
2) Identify the factors that affect the changes in agricultural land along the ring road with regression analysis.
3) Formulate a typology of change of agricultural land in the southern ring road with cluster analysis.
4) Formulate recommendations of the change treatment of agricultural land use to non-agricultural accordance typology of change and the factors that influence it by using the qualitative analysis.

Based on the result of land changes analysis in agricultural to non agriculture reached 19.54 ha per year with a rate of change of 0.077 ha of agricultural land. The factors that affected the land changes based on the results of the regression analysis of factors are urbanization rate. Typology of land changes with cluster analysis is divided into cluster 1 and cluster 2. The recommendations of the change control of agricultural land to non agricultural in the southern ring road area is based on the typology of land use changes and factors that affect the overall goals like keep the terms of the ring road as a primary arterial road. Cluster 1 is to conduct surveillance, control and socialization of the population of the Spatial Plan related to change control of agricultural land to non agricultural; cluster 2 are district zoning by limiting the development that is not appropriate to Spatial plan, do not provide clean water, network and electricity facilities to the activities that are not appropriate with the spatial plan.

Key Words: Road, Land and Land use changes
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