

Title: Penilaian kesan pembangunan jalan raya bertol terhadap ekonomi wilayah di Jawa Timur, Indonesia

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Abstract:

New toll highway planning is still a dubious issue in its capability to bring positive effects to the economic sectors in the selected regions. An example may be seen in four regions which the highway spanned, which are Malang, Sidoarjo, Pasuruan and Probolinggo, located in Jawa Timur, Indonesia. This research was carried out to evaluate the effect of new toll highway planning on the economic sectors of the related regions. Firstly, the research identified the relevant factors using selected and suitable information such as input-output table, gross output, value added and fare of commodities interregions flow. The regional input-output model (RAS method) and interregional input-output model (Isard method), were two methods used in the analysis. Transportation cost for goods between regions were computed using the doubly constrained growth factors model in forming the trade matrix as an application in the input-output model. Relation between the economic sectors is shown in a matrix based on the Jawa Timur input-output table for the year 1994. From this research it was realized that there exists a reduction of transportation cost in the new toll highway which, for the overall sectors by 0.4% of the overall total of total outputs in the four regions. Other discoveries are related to the key economic sectors in each regional and between regions. The effect of the reduction is that there exist insignificant changes in the overall sectors level. This scenario shows that the improvement of the four regions is balanced. Additionally, the discovery of the main economic sectors may be used as a tool to promote and to convince investors to invest in the main economic sectors. Therefore, in order to improve the economy of the regions, the respective governments are recommended to promote and utilize new toll highway system in their respective regions.