THE DETERMINATION OF ALTERNATIVE LOCATION FOR TYPE B TERMINAL IN BEKASI CITY

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Abstract
Kota Bekasi is part of Jabodetabek area, with its position as part of Bodebek, which quickly has prompted the region to grow and develop. The consequences of these development is the emergence of traffic flow that requires the provision of adequate facilities and infrastructure as well as reliable transportation management, with respect to the transportation function as a major of community activities. One of the city government’s efforts to meet the demand of public transport is to build a terminal type B in Bekasi City. Construction of terminal type B was due to be built on RTRW Bekasi City. But there is no set policy regarding the location of development.

The method used in determining location of this alternative is the method of analysis of Delphi, AHP, and GIS. Delphi analysis is used to obtain criteria for determining the location of the terminal type B. AHP analysis is used to determine the weight (value) of each variable that will be used as input in the GIS analysis. Analyzer Geographic Information Systems (GIS) used is ArcGIS 9.3. The technique used is the weighted overlay (model builder).

From analysis results obtained criteria is type of soil, flood-prone areas, road network, public transport networks, the location of potential passengers, and the scope of the service
terminal. Public transport network is seen “City Transportation in Province” network and local transport network. These criteria influence the Aspects Physical of Nature, Aspect Accessibility, Aspect Availability of Land, and Aspect Facilities Infrastructure. The result from Overlay and evaluation obtained in Kelurahan Jati Karya, Kecamatan Jati Sampurna with 3 land which its area is over 3 Hectare, which is a vacant lot.

Keyword: Determination alternative location, Terminal type B