THE DETERMINATION OF BUS SHELTER ALTERNATIVE LOCATIONS ON PURABAYA-DARMO-PERAK ROUTE IN SURABAYA CITY

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Abstract

Phenomena that occur in Surabaya City, a lot of movement didn’t use the bus shelter. Based on primary survey 2009, average 60% of movement didn’t used bus shelter on Purabaya-Darmo-Perak route. Because of the locations of city bus shelter were not accesible or not match with in and out location.

This study aims to determine an alternatif of bus shelter alternative locations on Purabaya-Darmo-Perak route in Surabaya City. Determining the city bus shelter alternative locations based on determinant criteria of city bus shelter location, which is that criteria based on user perception of movement to criteria using descriptive analysis with likert scale, for charateristic and pattern of bus shelter, it also use descriptive analysis. The determinant criterias of city bus shelter location, are the distance between shelter to type of activity maximum 200m, the distance between shelter to location of moda change maximum 50 m, the shelter must be on location that generate high amount passengers, demand of movement for city bus, the distance between shelter to the crossing facility maximum 50 m, the distance between shelter minimum 300 m, the availability
space, the traffic conditions and the distance between shelter to crossing minimum 50 m.

Bus shelter alternative locations on Purabaya-Darmo-Perak Route In Surabaya City based on priority of each criterias that using likert analysis. After that, it will be analysed with superimpose analysis to get 19 (nineteen) of city bus shelter alternatif locations on Purabaya-Darmo-Perak Route In Surabaya City.

Key word: Perception, Bus Shelter Alternative Locations