

ABSTRACT

Selection of Transportation Mode to Jurangmangu Station Using Method Analytical Hierarchy Process (AHP)

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Transportation means moving people from one place to another to achieve one goal. Then the choice of transportation mode is used to be one of the reasons that must be consider in traveling and is much influenced by several criteria factors including security conditions, comfort, frequency, cost, time, distance and also looking at the characteristics of the respondents. In a study conducted at the Jurangmangu station, which has 3 (three) entrance access points, namely Bintaro Jaya Xchange, Pembangunan Jaya University, and Tegal Rotan, they also have many choices of transportation modes to go to Jurangmangu station such as bus, taxi, ojek online, private vehicles and public transportation. In general, this study has the aim of knowing the public's choice in using transportation on Jurangmangu station and the conclusions of the respondents will be calculated using expert choce application so that from the calculation, the result show that people prefer to use the mode of transportation to Jurangmangu station using private vehicles with a percentage of 64% and make the selection superior to other modes of transportation where the percentage of online motorcycle 32%, public transportation is 2 %, bus are 2 % and taxi are 0%. The most superior outcome criteria factor is the time factor with a percentage of 26.4%, 21.5% frequency, 20.4% security, 12.8% distance, and 6.8% cost

Keywords: *Transportation, Mode Selection, Jurangmangu, Characteristics, Hierarchy Process Analysis, Expert Choice*

Libraries : 10

Publication Years : 1987 – 2017