ANALYSIS MODAL FROM TAXI AND PRIVATE CAR TO DAMRI BUS IN JUANDA AIRPORT SURABAYA

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Abstract

The rapid of passenger growth in Juanda Airport causes increasing the number of private vehicles and taxi passengers. The passenger increasing causes more and more vehicles to go inside and outside Juanda airport. Thus, the traffic in juanda is crowded.

The purpose of this thesis is to find out how many passengers are willing to move from taxi and own car to bus Damri.

Data have collected using questionnaires which is considering on stated preference techniques. Respondents are the passengers who are using taxi or private car. Logit biner has used to analysis the data.

From the analysis result shown the passengers with 2 to 5 millions rupiah income and come from outside Surabaya prefer using private vehicles than taxis. Mode movement probability from taxi to bus is 22% for tarif and travel time of bus is 20000 IDR and 35 minutes respectively. Meanwhile, mode movement probability from private vehicle to bus is 66% for tarif and travel time of bus is 15000 IDR and 35 minutes respectively.

Keywords : Damri bus, Juanda Airport, logit biner, own car, taxis.