

ABSTRACT

The existence of necessity in work activities will cause a trip which can produce the movement of people, in which it requires alternative modes of transportation. The purpose of this research is to analyze the influence of travel cost, income, ownership of modes and gender to the selection of modes in motorcycle and KRL Commuterline as transportation of modes for work in the district of North Bekasi to Province DKI Jakarta.

This research used questionnaire in which 100 samples for people in six villages in the district of North Bekasi. Technique used to take sample in the research is purposive proportional random sampling. This research also uses Binary Logistic Regression technique with dichotomous dependent variable, 1 for motorcycle and 0 for KRL Commuterline. Estimation technique by using Binary Logistic Regression conducted to determine the effect of independent variables on the probability of commuters to use motorcycle or KRL Commuterline.

The result of this research shows that the choosing of modes motorcycle and KRL Commuterline for work by people in district of North Bekasi is dominated by motorcycle users, in which there are 60 respondents, and there are only 40 respondents for KRL Commuterline. The choosing of modes motorcycle and KRL Commuterline in district of North Bekasi is caused by factor of travel cost and income, an ownership of modes and gender influence positive and significance.

Key Words: The Choosing of Modes, Trip to work, Binary Logistic Regression.

