

Intercity mode choice modelling: Considering the intracity transport systems with application to the Jakarta-Bandung corridor

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Abstrak

The choice among modes of intercity transport depends on conditions of not only intercity transport modes but also intracity transport in both the departure city and the arrival city. Intracity transport conditions might be advantageous for one intercity mode and disadvantageous for others. Intercity and intracity transport conditions are complex and need to be approached systemically. This study proposes an approach based on the passengers' preferences. The logit model was adapted to evaluate the transport modes' choices in competition. This model is called the "Adapted Mixed Multinomial Logit Model" (AMML). It was applied on the Jakarta-Bandung corridor in both directions. It contributes to a complete approach for intercity transport mode choice by considering the influence of the intracity transport conditions in both the departure and arrival cities. The results proved that the choice of intercity transport mode depends not only on its own quality of service but also, importantly, on that of the intracity transport systems.