

Route divert behavior in Jakarta electronic road pricing policy implementation

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Abstrak

The effectiveness of transportation demand management policy depends on how commuters respond to it. This study attempts to comprehend commuter behavior in choosing routes based on electronic road pricing (ERP) policy implementation on the Sudirman and Kuningan corridors. The experiments were conducted using the data collections from a stated preference experiment in which each commuter makes a route choice with an alternative representing a hypothetical situation with a combination of tariffs and travel time in ERP policy implementation. Logit models found that the individual and household variables influence route divert behavior. A commuter with a higher income or more family members living together is more likely to have less flexibility in diverting route. In addition, the distance of the trips affected their route divert behavior and influenced an individual trip chain constrained in time-space prism.