

ABSTRACT

Title : Evaluation Of The Benefits Of Flyover Development (Case Study Of Flyover Harapan Indah Bekasi), Name : Basuki Astha Pamungkas, NIM : 41117310077, Supervisor : Andri Irfan Rifai, DR.,ST.,MT., 2018

The Tarumajaya highway section is the main road that connects between sub-districts, so it can be ascertained that there are many vehicles that pass especially during work hours and holidays. The variety of types of vehicles that pass through these roads causes a lot of damage to road pavement at several points resulting in frequent accidents. The large volume of traffic flow greatly affects the performance of a road. Traffic data is used as the basis for feasibility analysis based on analysis and observation for 2 days during rush hour morning and evening. If seen from the degree of saturation of vehicles on the Setia Asih road, Tarumajaya-Harapan Indah, the DS of public roads and DS bridges 75 0.75 is still feasible and a solution. Based on the processing of questionnaire data from 300 respondents who have jobs mostly as entrepreneurs and the rest as civil servants and private employees feel helped by the construction of flyovers. An elevated road construction is said to be feasible if it meets the requirements, namely B

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feasible. Based on the conclusions of the three analyzes, the construction of flyover is an alternative to public roads. BOK calculations are carried out on vehicles determined by group according to Jasa Marga's rules, namely Group I (light vehicles, LV). The speed of the vehicle is measured by a speed gun so that the average speed is 40-60 Km / h. So that the solution using the 1997 Indonesian Road Capacity Manual (MKJI) method is still recommended.

Keywords : *fessibility study, degree of saturation, BOK, BCR, NPV*