Abstract

Jombang as one of cities that are passed by the province’s highway besides that, there are many intersections and rail train that are paralled with the highway. So the intersection become troubled with the accident and cause vehicles queue everytime the train pass. One of the spot that cause the traffic jam is intersection in the Peterongan – Jombang. To reduce that problem needed a Flyover. The construction of Flyover is expected can overcome traffic jam on the intersection of rail train. Moreover with the presence of Flyover is expected can increase the safety standard of the highway’s users because of potencial declining from the accident between train with vehicles because there is no plot confluence between both of that moda.

The purpose of this Final Project is to analyze the feasibility study of the Flyover. Due to complete this study, primary data and secondary data needed include the traffic volume data, lay out, data on the number of vehicles, and other supporting data.

Feasibility Analysis of the flyover terms of the economy which will be calculated based on the ratio between existing and
planned of savings VOC (Vehicle Operating Cost) and cost needed. 
VOC are analyzed in existing and planned conditions by using Jasa 
Marga method. The analysis result show that saving value is Rp.
201.250.585.859,-  $BCR = 1.60$ ($BCR > 1$) and $NPV = Rp.$
75.800.075.764,- ($NPV > 0$) is said project feasible.

**Key words: Flyover, feasibility analysis, economic analysis, Jombang.**