STUDY OF UPGRADING STATUS OF PROVINCIAL ROADS INTO NATIONAL ROADS FOR KETAPANGROADSTO PAMEKASAN, MADURA (NO.LINK 224)

Name of Student : Ravialdhi Agatya Putra Purnomo  
NRP : 3110100150  
Department : Civil Engineering, FTSP-ITS  
Lecture Consellor : Budi Rahardjo, ST. MT

Abstract

The clarity of the status of the road will facilitate the handling of the financing, construction, maintenance and future development. Review of the status of the road improvement is needed to determine the feasibility of the road to be improved.

In the study of changes in the status of the road have been selected some technical criteria such as road width, capacity, facilities equipment road, and the speed to be studied more deeply customized to fulfill criteria for national roads. JasaMarga method is one way to determine the value of vehicle operating costs by combining methods ND Lea to get more accurate results for the number of class 1 vehicles. Later methods Benefit Cost Ratio (BCR) to determine the feasibility of projects reviewed, the methods are used as the basis of economic analysis.

Based on the assessment of the results of this final analysis JalanKetapang - Pamekasan limit is still not feasible improved assessed in terms of technical DS <0.75 and terms economic due to BCR <1 but for better results a new project can be said to be economically viable in 2024 (year to -10) the value of DS >0.75 and BCR >1.

Keyword: Planning change in the status of the road, Economic Analysis