THE FEASIBILITY STUDY OF WEST-OUTER
RING ROAD OF SURABAYA

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Abstrak

Surabaya City has become one of a very densely populated cities. Surabaya is also one of Indonesia's major trading town. As the result, the existing road (Surabaya-Gempol toll road) have been crowded and highly loaded in capacity. There are several alternative solutions, such as West Outer Ring Road, which is meant to get through the overflow traffic from Surabaya-Gempol toll road (route Dupak-Waru).

Constructing the ring road should be approached with the feasibility study in terms of traffic and highway economic analysis methods, which are: Vehicle Operating Costs (VOC), the time value analysis, and economic analysis (including: cost benefits (Benefit Cost Ratio), net present value (NPV) and Internal Rate of Return analysis (IRR)).

This final project is expected to analyze the feasibility of Surabaya’s West-Outer Ring Road. From the results of the economic analysis, obtained values of NPV = 1.68 and BCR Rp 1,016,108,968,615. From these results, it can be concluded that the construction of Surabaya’s West-Outer Ring Road is feasible to build.

Keyword : ring road, feasibility study, BOK analysis, economic analysis.