

## **ABSTRAK**

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Study Program : Urban Regional Planning

Title : assessment of the condition of the infrastructure connecting the Jakarta - Tangerang toll road that connected DKI Jakarta with Tangerang as the satellite city

Infrastructure is an important thing in people's lives. In the Jakarta-Tangerang Toll Road, due to the high mobility of the people, it causes problems. Namely the infrastructure of the toll road connecting Jakarta-Tangerang is already feasible and has sufficient volume to support community mobility. This research analysing the feasibility of toll infrastructure for road users who migrate from Jakarta -Tangerang. In solving the problem and getting the goal, this study carried out research using quantitative methods by looking at the feasibility of infrastructure and the number of vehicles that passed at the study location. Assisted by assessing the infrastructure condition of the Jakarta – Tangerang Toll Road, Assessing the priority of SPM standards using the AHP and IPA methods and calculating the traffic volume of the Jakarta – Tangerang Toll Road. With the results obtained, the path pavement (perforated roads, rutting, unevenness and cracks), drainage, road shoulders, road markings, and anti-glare are still not feasible because they are still <100%. Judging also from its performance, there are 4 indicators that have high importance and performance which are signs, road markings, street lighting and safety fences. And the 4 indicators that have high importance but low performance which are unevenness, potholes, rutting and cracks. Traffic volume is also quite high at 06.00-12.00 and 18.00-24.00 and calculated from the volume of vehicles, the percentage has decreased for the last 5 years by 9.11%, but the average per day still exceeds the capacity of the Jakarta-Tangerang toll road. From the results of the study, it can be concluded that some indicators already have high performance and are suitable for road users, but routine maintenance must be carried out in order to maintain the infrastructure of the Jakarta-Tangerang toll road.

Keywords :High way, Jakarta-Tangerang and Road Condition