

Optimization of Traffic Signal Timing of a Cross Junction at Nilai

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ABSTRACT

This project is about how to improve the traffic signal timing for a particular road junction. This study is necessary so to reduce the long queue that would hamper the flow of traffic. The chosen intersection was at nearby Giant, Jalan Persiaran Utama BBN. The road is jammed during morning and especially evening time from 4-6 pm on every single day except for Saturday and Sunday. The project based on Highway Capacity Manual and other resources discussed the equations, tables, graphs which could be used to analyze, mitigate or to solve the problems. Formulas which were carried out were to compare the observation values measured at site with the theoretical values. From here adjustment would be made in order to set a better timing for the traffic signal.