EVALUATION SIGNALISED INTERSECTIONS
COORDINATION OF PASAR TURI STREET - SEMARANG STREET – TEMBAAN STREET – DUPAK STREET AND RAIL WAY PASAR TURI OF SURABAYA

ABSTRACT

The happening of burning at Pasar Turi Surabaya had influence to traffic around Pasar Turi place region, one of them is at signalised intersection Pasar Turi Street - Semarang Street - Tembaan Street - Dupak Street. Frequently occlusion happened at junction of Pasar Turi Street - Semarang Street - Tembaan Street - Dupak Street, because queue length from rail way. In This final task done evaluation at the junction.

Evaluation of junction is started with identification of problem and study literature, then is done survey antecedent. The next phase is primary data collecting and secondary, then is done analysis condition of existing. After knowing intersection performance condition of existing hereinafter can be done management of traffic engineering and then is done analysis yielding junction performance. Method calculation performance evaluation of this signalised intersection at Manual Kapasitas Jalan Indonesia (MKJI) 1997.

From result of calculation junction performance condition of existing have been ugly. This thing is measurable based on degree of saturation parameter (DS) and level of service (LOS), where DS = 3,055 and LOS F after orbit influence a piece of rail way to performance is signalised intersection Pasar Turi Street - Semarang Street - Tembaan Street - Dupak Street of Surabaya very big because carriage queue length at the time of orbit latch closes is 275 meter, while digressing interval with orbit is 106 meter. With refinement of geometrik at approach, re-governing cycle time with erection of barier censor and fly over road works for heavy vehicles
in the year 2009 yielded by DS = 0.672 and LOS C, hereinafter prediction the year 2014 having value DS = 0.814 and LOS C.

Keyword: Intersection signal, Railway, Management and Traffic Engineered