TRAFFIC MANAGEMENT OF DEVELOPMENT PROJECTS ON THE SHOPS, OFFICES, TRADE, SERVICES ROYAL PALACE SIDOARJO

Name : Maria Anita  
NRP : 3110 100 0104  
Departement : Teknik Sipil FTSP - ITS  
Supervisor : Cahya Buana, ST. MT

ABSTRAK

Increase in economic and social activity at Sidoarjo is a great potential in terms of the equipping of necessary facilities and infrastructure as a proponent, including in the case of this is the equipping of shops, offices, trade and services Royal Palace as the concentration of economic activities. The development projects of shops, offices, trade and services Royal Palace raises traffic attraction that will impact on the road network around the Royal Palace.

This essay aims to give the overview how much the impact because of the operation of shops, offices, trade and services Royal Palace on the road network and gives the suggest for the appropriate traffic management. For it, required the traffic study by surveying existing condition, predicates traffic condition for 2015 and then calculates traffic conditions after Royal Palace in operation and 3 years later, by using the Degree of Saturated (DS) as a benchmark.

Because of DS > 0.8, needed an alternative to improve the performance of intersection and road segment by planning the appropriate traffic management for road network around the Royal Palace, among other things by setting the APILL cycle time at the Raya H. Soenandar – Raya Kutuk Barat – Raya
Diponegoro – Raya KH. Mukmin intersection and widening of the road on the roadway.

Keywords: Sidoarjo, Traffic Management, Royal Palace, Degree of Saturated