

Abstrak

Kawasan Pasar Talawi merupakan Kawasan perdagangan yang memiliki aktivitas lalu lintas yang cukup tinggi terutama pada hari pasar yaitu Selasa dan Jum'at. Aktivitas perdagangan menyebabkan peningkatan volume lalu lintas kendaraan serta aktivitas parkir dan bongkar muat barang di badan jalan yang mengakibatkan kemacetan dan penurunan kinerja lalu lintas. Penelitian ini bertujuan untuk mengidentifikasi kinerja ruas jalan, kinerja simpang, kondisi parkir, fasilitas pejalan kaki dan bongkar muat barang, menganalisis usulan penataan lalu lintas dan membandingkan kinerja ruas jalan *eksisting* dan usulan. Analisis yang dilakukan meliputi analisis ruas jalan dan simpang, analisis parkir, analisis bongkar muat dan analisis fasilitas pejalan kaki. Hasil penelitian menunjukkan bahwa kinerja ruas jalan pada kondisi lalu lintas *eksisting* didapatkan nilai V/C ratio sebesar 0,22 sampai 0,50 serta terdapat satu ruas jalan yang berdasarkan standar *Speed Ratio Index* (SRI) sudah melebihi nilai aman yaitu 5,01 dan berdasarkan *Speed Performance Index* (SPI) dikategorikan sebagai *Smooth* (rentang nilai 50-75).

Kata Kunci : Penataan lalu lintas, Kinerja ruas jalan, Kinerja simpang, Parkir, Bongkar muat barang.

Abstract

Talawi Market Area is a trading area with quite high traffic activity, especially on market days, namely Tuesday and Friday. Trading activities cause an increase in vehicle traffic volume as well as parking and loading and unloading activities on the road, resulting in congestion and decreased traffic performance. This study aims to identify the performance of road sections, intersection performance, parking conditions, pedestrian facilities and loading and unloading of goods, analyze traffic arrangement proposals and compare the performance of existing and proposed road sections. The analysis includes analysis of road sections and intersections, parking analysis, loading and unloading analysis and pedestrian facility analysis. The results of the study indicate that the performance of road sections under existing traffic conditions obtained a V/C ratio of 0.22 to 0.50 and there is one road section that based on the Speed Ratio Index (SRI) standard has exceeded the safe value of 5.01 and based on the Speed Performance Index (SPI) is categorized as Smooth (value range 50-75).

Keywords: *Traffic management, Road section performance, Intersection performance, Parking, Loading and unloading of goods.*