DESIGN OF PARKING AREA SURABAYA SPORT CENTER (SSC)

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Abstract

Surabaya City Government at year 2008 has build sport facility which known as Surabaya Sport Center (SSC). Parking area as one of the Surabaya Sport Center (SSC) facilities is need attention to its design. In this final project, the planning parking area of Surabaya Sport Center (SSC) will be analyzed. The analysis is planning a parking area that located at the offstreet.

Analysis consist of 2 steps. The first is selecting the analog stadium that has same function. Then compared between the analog stadium with each other, so that obtained regression equation. Regression equation is used to obtain the amount of parking space requirements (PSR) Surabaya Sport Center. The second is calibration. Calibration is carried out through the approach rate of vehicle ownership. Parking Space Requirements (PSR) Surabaya Sport Center (SSC) will be resulted, this was in accordance with the conditions of the city of Surabaya. This final project has result that lay out and traffic flow of parking area Surabaya Sport Center (SSC).

Secondary data is needed to analyze the parking space requirements (PSR). Secondary data that is required are capacity of stadium where it studied and analog stadium data, the capacity of parking area from analog stadium data, the number of population and the number of vehicle ownership in the city of Surabaya, Sidoarjo and Gresik. The result of analysis is number
of parking space requirements (PSR) for outdoor stadium and indoor stadium. Parking outdoor stadium is requirement about 4439 car and 4413 motorcycle. Parking indoor stadium is requirement about 2884 car and 4546 motorcycle.

**Keywords:** Surabaya Sport Center, Parking, KRP, stadium.