

**ANALYSIS PARKING CAPACITY OF SILIWANGI UNIVERSITY
TASIKMALAYA BASED ON PARKIR DEMAND UNIT (SRP)**

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Abstract

Siliwangi University is a place for learning activities of Tasikmalaya which continues to develop. In the existence of a place of activity that needs to be considered is the provision of parking space. Siliwangi University has provided parking infrastructure for motorcycle in parking lots and parking buildings, but the capacity has not been optimally functioned according to demand. The purpose of this study was to analyze parking capacity based on parking demand. The research method used is the analysis of parking demand based on the difference between arrivals and departures and analysis of parking characteristics. The method of collection primary data is carried out by calculating the volume of incoming motorcycle with estimated arrivals and repetitions during lectures, for land area it is done by calculating the parking area and taking secondary data from Siliwangi University. Based on the results of the analysis of the characteristics of motorcycle parking, the following results were obtained, The location of the motorcycle parking area for the faculty of economics and the trigatra building area is for 100% condition of 1180 parking spaces, for 75% condition of 885 parking spaces, for 50% condition of 550 parking spaces, for 25% condition of 295 parking spaces. social and political science, namely for 100% condition of 261 parking spaces, for 75% condition of 196 parking spaces, for 50% condition of 131 parking spaces, for 25% condition of 63 parking spaces. amounting to 304 parking spaces, for 75% condition there are 228 parking spaces, for 50% condition there are 152 parking spaces, for 25% condition there are 76 parking spaces. The location of the engineering faculty parking lot is 60 parking spaces for 100% condition, 45 parking spaces for 75%, 30 parking spaces for 50%, and 15 15 parking spaces for 25%. The location of the health faculty parking lot is for 100% condition of 194 parking spaces, for 75% condition of 146 parking spaces, for 50% condition of 96 parking spaces, for 25% condition of 49 parking spaces. The parking location for the faculty of teaching and education is for 100% condition of 2304 parking spaces, for 75% condition of 1728 parking spaces, for 50% condition of 1152 parking spaces, for 25% condition of 576 parking spaces. .The solution to the problem of is good management in managing parking and redesign parking buildings for planning parking facilities.

Keywords: Parking Capacity, Characterictics of Parking, Parking Demand, Motorcycle