

**ANALYSIS OF THE CHARACTERISTICS AND NEEDS OF VEHICLE
PARKING SPACE IN SINGAPARNA MEDIKA CITRAUTAMA REGIONAL
GENERAL HOSPITAL, TASIKMALAYA DISTRICT**

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Abstract

Parking is a temporary stationary state of a vehicle. From year to year the growth of motorbike and car users in various places is very high, this is in line with human desires for something related to needs. The same thing has happened in the Singaparna Medika Citrautama Regional General Hospital for the past few years. As a health service center owned by the Regional Government of Tasikmalaya Regency, it should have adequate parking facilities to accommodate the vehicles of visitors and hospital employees. But the SMC Hospital does not yet have enough parking space for visitor parking lots, many vehicles belonging to hospital visitors are parked in the hospital's vacant land. This causes parking that is not in accordance with the place so that it disturbs other parking users. Observations were made for 9 hours, from 07:00 to 16:00 WIB. This research was conducted to determine the characteristics of parking that occurs, where the characteristics in question are parking accumulation, parking capacity, parking index, parking volume, and parking duration. This research is devoted to two-wheeled vehicles (motorcycles) and four-wheeled vehicles (cars). This research concludes: a) The maximum accumulation of parking for 4-wheeled vehicles (cars) is 188 cars and occurs at 10:00–11:00, while for 2-wheeled vehicles (motorcycles) the maximum accumulation of parking occurs at 10:00 - 11:00 for 480 motorbikes; b) the car parking capacity owned by SMC Hospital is 186 plots, while the motorcycle parking capacity is 422 plots; c) The value of the acquisition index for car parking is 101,08% and the index for motorcycle parking is 113,74%; d) The volume of parking in one day for cars is 253 vehicles while for motorcycles is 515 vehicles; e) The level of parking turnover for cars obtained a value of 0,72 cars/SRP while for motorbikes it was 0,89 motorbikes/SRP; f) Parking duration for cars and motorbikes is at most around >1 jam and >7 jam.

Keywords: parking, parking characteristics, SMC Hospital