ABSTRACT

. *Parking is one element of the facility that can not be separated from the road transportation system as a whole. The need for the fulfillment of parking capacity in the City of Tasikmalaya is a problem in several places, one of which is the Jasa Kartini Hospital in the City of Tasikmalaya. The provision of parking spaces and the arrangement of suitable parking spaces for hospitals is very important because it can increase the mobility of the hospital area. Some drivers sometimes park their vehicles at the road crossing facility in front of the Jasa Kartini Hospital area. Therefore, it is necessary to provide adequate and more organized parking space for visitors and doctors and hospital employees to support the services provided by the hospital. Data collection was carried out for 14 days, each starting at 08.00-15.00 WIB. Retrieval of vehicle data by recording the vehicle plate number along with the time of entering and leaving the vehicle. The method used in the analysis of parking space requirements in this study is using the method of parking space requirements from the Directorate General of Land Transportation in 1998, the Z formula approach with field data in 2021, Z formula with parking ticket data in 2020, the maximum accumulation method as an assumption of parking requirements, and a simple linear regression method to forecast parking demand. From the results of the study, it was found that the need for car parking was 70 SRP and motorbikes were 124 SRP. With the available SRP capacity for cars experiencing a shortage of 21 SRP. Based on the results of the analysis of parking needs, the recommended car parking pattern is a 45° pattern on both sides of the side area and a mixed parallel parking pattern, 30°, 45°, 90° rear area with an island position. While the motorcycle parking pattern uses a 90° pattern with the addition of an alleyway in the middle of the parking area and adjusts to the standard SRP dimensions of 0.75 x 2m.*

Keywords: Parking Needs, Hospital, Parking Space Unit.