

ABSTRAK

ANALISIS KAPASITAS DAN EFISIENSIN PARKIR PADA RUMAH SAKIT (Studi Kasus Rumah Sakit Airan Rayan Lampung Selatan)

Oleh:

Ahmad Riski Amanda Yoga

Peningkatan jumlah pengunjung di Rumah Sakit Airan Raya, Lampung Selatan, menyebabkan bertambahnya kebutuhan ruang parkir, terutama untuk kendaraan roda empat. Penelitian ini bertujuan mengevaluasi kapasitas dan kinerja parkir serta memperkirakan kebutuhan ruang parkir dalam lima tahun mendatang. Data dikumpulkan melalui survei kendaraan masuk dan keluar pada hari Sabtu dan Senin pukul 08.00–18.00 WIB, kemudian dianalisis berdasarkan karakteristik parkir, seperti akumulasi, volume, durasi, indeks, kapasitas, tingkat pergantian, dan kebutuhan ruang parkir. Hasil analisis menunjukkan bahwa kapasitas parkir sepeda motor masih mencukupi, sedangkan kapasitas parkir mobil belum mampu mengakomodasi kebutuhan pada jam puncak. Hal ini ditunjukkan oleh nilai indeks parkir mobil sebesar 1,05 pada hari Sabtu dan 1,27 pada hari Senin, yang mengindikasikan tingkat hunian melebihi kapasitas tersedia. Volume parkir tertinggi sepeda motor tercatat sebanyak 1.190 kendaraan pada hari Sabtu, sedangkan volume mobil tertinggi mencapai 583 kendaraan pada hari Senin. Rata-rata durasi parkir berkisar antara 60–90 menit. Berdasarkan proyeksi lima tahun ke depan, kebutuhan ruang parkir diperkirakan terus meningkat sehingga diperlukan optimalisasi pengelolaan parkir, penataan area parkir, dan penambahan kapasitas lahan guna meningkatkan kualitas pelayanan parkir di rumah sakit.

Kata kunci: kapasitas parkir, efisiensi parkir, indeks parkir, kebutuhan ruang parkir, rumah sakit

ANALYSIS OF PARKING CAPACITY AND EFFICIENCY AT A HOSPITAL
(Case Study of Airan Raya Hospital, South Lampung)

By:

Ahmad Riski Amanda Yoga

The increasing number of visitors at Airan Raya Hospital, South Lampung, has led to a growing demand for parking spaces, particularly for four-wheeled vehicles. This study aims to evaluate parking capacity and performance, as well as to estimate parking space requirements for the next five years. Data were collected through surveys of vehicle arrivals and departures conducted on Saturday and Monday from 08:00 to 18:00 WIB, and were analyzed based on parking characteristics, including parking accumulation, volume, duration, parking index, capacity, turnover rate, and parking space requirements. The results indicate that the motorcycle parking capacity is still sufficient, whereas the car parking capacity is unable to accommodate demand during peak hours. This is reflected in the car parking index values of 1.05 on Saturday and 1.27 on Monday, indicating occupancy levels exceeding the available capacity. The highest motorcycle parking volume was recorded at 1,190 vehicles on Saturday, while the highest car parking volume reached 583 vehicles on Monday. The average parking duration ranged from 60 to 90 minutes. Based on projections for the next five years, parking space demand is expected to continue increasing. Therefore, improvements in parking management, parking area organization, and expansion of parking capacity are necessary to enhance the quality of parking services at the hospital.

Keywords: Parking capacity, parking efficiency, parking index, parking space requirement, hospital.