STUDY OF PARKING PARAMETERS AND PARKING MANAGEMENT IN HOSPITAL
TENGKU AMPUAN AFZAN (HTAA), KUANTAN

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ABSTRACT

Parking is regarded as an integral part of urban transportation system, and the increase in the number of vehicles had caused problems with parking in major cities around Malaysia. The Hospital Tengku Ampuan Afzan (HTAA) in Kuantan is not spared from this problem too, while the number of patients and staffs at the hospital keeps increasing each year, the number of parking lots in the car park are still the same, which had caused difficulties for its visitors to search for parking, and contributed to the illegal parking by the roadside along the main entrances. This study aims at assessing the supply and demand of the car parking system as well as the parking parameters in Hospital Tengku Ampuan Afzan (HTAA), Kuantan. Besides, this study will also present the actual figures of the number of illegally parked vehicles within the hospital compound, as well as those by the roadside along the main entrances. This data, along with the other parking parameters studied in this study, will present the actual parking demand in HTAA. Corrective measure is suggested in this study to improve the parking woes in HTAA. In this study, parking supply is defined as the number of parking lots provided at the hospital, and parking demand is meant by the summation of parking accumulation and the number of illegally-parked vehicles. License plate survey is chosen for this study, as it provides data of higher accuracy and consistency. The methodology of this study involved data collection, data analysis and recommendations to improve the situation.
ABSTRAK

Tempat letak kenderaan merupakan salah satu aspek utama dalam perancangan system pengangkutan bandar. Sejak tahun-tahun kebelakangan ini, seiring dengan peningkatan bilangan kenderaan di jalan raya, masalah kekurangan tempat letak kenderaan telah menjadi semakin serius di bandar-bandar utama seluruh Malaysia. Kajian ini bertujuan untuk mengkaji keberkesanan sistem letak kenderaan di Hospital Tengku Ampuan Afzan (HTAA), Kuantan, dan termasuklah masalah letak kenderaan secara haram di bahu-bahu jalan sepanjang pintu masuk dan keluar HTAA. Hasil dapatan kajian ini berupaya untuk memberikan gambaran berkenaan permintaan tempat letak kenderaan oleh pengunjung-pengunjung HTAA. Selain itu, kajian ini turut mencadangkan langkah-langkah penyelesaian efektif kepada masalah ini, berdasarkan kepada hasil dapatan kajian ini. Dalam kajian ini, pembekalan tempat letak kenderaan merujuk kepada bilangan tempat letak kenderaan yang terdapat di perkarangan HTAA, manakala permintaan tempat letak kenderaan merujuk kepada penjumlahan di antara pengumpulan bilangan kereta yang diletakkan di tempat-tempat letak kenderaan di perkarangan HTAA, dan bilangan kenderan yang diletakkan secara haram di bahu-bahu pintu masuk dan keluar. Kaedah survei plat kenderaan telah digunakan dalam menjalankan kajian ini, kerana kaedah ini menjanjikan data yang lebih tepat dan konsisten. Metodologi kajian ini merangkumi proses-proses seperti pengumpulan data, analisis data, serta cadangan-cadangan untuk mengatasi masalah kekurangan tempat letak kenderaan di HTAA.