

## INTISARI

*Rumah Sakit Umum Daerah Wates dibangun untuk memenuhi kebutuhan perihal kesehatan masyarakat Kabupaten Kulonprogo dan sekitarnya. Demi kelancaran aktivitas dan kegiatan di Rumah Sakit Umum Daerah Wates tersebut, salah satunya adalah masalah area parkir kendaraan. Dengan banyaknya para pengguna kendaraan di rumah sakit tersebut, maka rumah sakit harus menyediakan area parkir yang cukup untuk dapat menampung kendaraan yang ada. Penelitian ini bertujuan untuk mengevaluasi ketersediaan ruang parkir di Rumah Sakit Umum Daerah Wates.*

*Metode yang digunakan yaitu dengan cara mencatat plat nomor dan waktu kendaraan yang masuk dan keluar area parkir RSUD Wates sebagai data primer. Sedangkan data sekunder diperoleh dari hasil pengukuran area parkir RSUD Wates. Penelitian ini dilakukan selama 2 hari, yaitu Minggu 6 Agustus 2017 dan Senin 14 Agustus 2017 dimulai pukul 08.00 – 14.00 WIB. Waktu penelitian tersebut dipilih karena termasuk jam sibuk dan jam kunjung pasien.*

*Berdasarkan hasil survei selama 6 jam tersebut dan analisis data pada area parkir RSUD Wates hari Minggu dan Senin menunjukkan bahwa akumulasi parkir maksimal sepeda motor sebanyak 372 kend/15 menit dan akumulasi parkir maksimal mobil sebanyak 29 kend/15 menit; volume parkir maksimal sepeda motor sebanyak 1111 kend dan volume parkir maksimal mobil sebanyak 120 kend; kapasitas ruang parkir sepeda motor sebanyak 462 kend dan kapasitas ruang parkir mobil sebanyak 30 kend; turnover maksimal sepeda motor sebanyak 2,4 kend/ruang/6jam dan turnover maksimal mobil sebanyak 4,44 kend/ruang/6jam; indeks parkir rata-rata dan maksimum sepeda motor 52,27% dan 80,52% dan indeks parkir rata-rata dan maksimum mobil sebesar 58,22% dan 107,41%; durasi parkir maksimum sepeda motor selama 45-60 menit sebanyak 38 kend dan untuk mobil selama 60-75 menit sebanyak 4 kend, durasi rata-rata sepeda motor adalah 57,79 menit dan untuk mobil adalah 50,68 menit; headway rata-rata sepeda motor selama 1,34 menit dan untuk mobil selama 9,73 menit; kebutuhan ruang parkir sepeda motor sebesar 558m<sup>2</sup> dengan luas area parkir sepeda motor sebesar 693m<sup>2</sup>, dan untuk mobil sebesar 362,5m<sup>2</sup> dengan luas area parkir sebesar 345m<sup>2</sup>. Maka disimpulkan area parkir sepeda motor masih bisa menampung kendaraan yang parkir pada hari Minggu dan Senin pada pukul 08.00 – 14.00 WIB. Sedangkan area parkir mobil masih belum cukup untuk menampung kendaraan yang parkir pada hari Senin pada pukul 08.00 – 14.00 WIB.*

*Kata kunci : RSUD Wates, Akumulasi parkir, Volume parkir, Turnover, Indeks parkir, Durasi parkir, Headway, Kebutuhan ruang parkir*

## ABSTRACT

*RSUD Wates (Regional Public Hospital of Wates Subdistrict) was built to supply the public health needs of Kulonprogo Regency and surrounding areas. In order to maintain the sustainable activities in RSUD Wates, one of the problems is about the parking area for vehicles. Because there's many users vehicles in the hospital, the hospital must provide an ample parking area to accommodate the existing vehicles. This research aims to evaluate the availability of parking spaces in RSUD Wates.*

*In this research, the used method was to record the license plate and time of vehicles entering and exiting the parking area of RSUD Wates as primary data. Meanwhile, the secondary data was acquired from the measurement of RSUD Wates parking area. This research was conducted for 2 days — Sunday August 6<sup>th</sup>, 2017 and Monday August 14<sup>th</sup>, 2017 — starting at 08.00 a.m. - 2.00 p.m. WIB. The reseacrh time was chosen because it included peak hours and visiting hours of patient.*

*Based on the results of the 6 hours survey and data analysis of RSUD Wates parking area on Sunday and Monday, it is found that the maximum parking accumulation of motorcycles is 372 vehicles/15 minutes and the maximum parking accumulation of cars is 29 vehicles/15 minutes; the maximum parking volume for motorcycles is 1111 vehicles and the maximum parking volume for cars is 120 vehicles; the capacity of parking space for motorcycles is equal to 462 vehicles and the capacity of parking space for cars is equal to 27 vehicles; the maximum turnover of motorcycles is equal to 2.4 vehicles/space/6 hours and the maximum turnover of cars is equal to 4,44 vehicles/space/6 hours; the average and maximum motorcycle parking indexes are 52.27% and 80.52% respectively as well as the average and maximum car parking indexes are 58.22% and 107.04%; maximum duration of motorcycle parking during 45-60 minutes with 38 vehicles and maximum duration of car parking during 60-75 minutes with 4 vehicles, the average duration of motorcycles is 57.79 minutes and the average duration of cars is 50.68 minutes; the average headway of motorcycles is 1.34 minutes and the average headway of cars is 9.73 minutes; The need for a motorcycle parking space of 558m<sup>2</sup> with a motorcycle parking area of 693m<sup>2</sup>, and for cars of 362.5m<sup>2</sup> with a parking area of 345m<sup>2</sup>. So it is concluded that the parking area of motorcycle can still accommodate vehicles that are parked on Sunday and Monday at 08.00 - 14.00 WIB. Meanwhile, the car parking area is still not enough to accommodate vehicles parked on Monday at 08.00 - 14.00 WIB.*

*Keywords: RSUD Wates, Parking Accumulation, Parking Volume, Turnover, Parking Index, Parking Duration, Headway, Need of Parking Space*