

ABSTRAK

ANALISIS KARAKTERISTIK DAN KEBUTUHAN PARKIR DI PUSAT PERBELANJAAN CHANDRA SWALAYAN METRO LAMPUNG

Oleh

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Pertumbuhan kendaraan di Kota Metro mencapai 147.629 unit (2023) dengan rasio 0,82 unit per kapita menimbulkan tekanan pada fasilitas parkir. Chandra Swalayan Metro mengalami kepadatan parkir saat akhir pekan dan jam sibuk, menyebabkan antrean dan parkir di bahu jalan. Penelitian bertujuan mengidentifikasi karakteristik parkir, kapasitas, kebutuhan ruang, dan merancang ulang petak parkir.

Penelitian dilakukan 1–7 November 2025 (12 jam/hari, 09.00–21.00 WIB) menggunakan observasi dan wawancara 30 responden. Analisis mengacu Pedoman Teknis Kementerian Perhubungan dengan prediksi kebutuhan metode compound interest (pertumbuhan 5,66%/tahun).

Hasil: durasi parkir rata-rata mobil 110,96 menit, motor 81,40 menit. Akumulasi puncak pukul 17.00–18.59 WIB (92 mobil, 74 motor). Indeks parkir mobil 92% (kapasitas cukup), motor 148% (overcapacity, kekurangan 24 SRP). Parkir liar rata-rata 341 kendaraan/hari mengungkap kebutuhan total 507 SRP dengan defisit 357 SRP. Kepuasan 70%, penerangan paling tidak memuaskan (50%). Proyeksi 2030 memerlukan 220 SRP (defisit 70 SRP). Rekomendasi: tambah minimal 245 SRP motor dan 112 SRP mobil, perbaiki pencahayaan, optimalisasi layout, tingkatkan rambu, dan rencanakan parkir bertingkat.

Kata Kunci: Karakteristik Parkir, Kebutuhan Parkir, Indeks Parkir, Parkir Liar, Pusat Perbelanjaan.

ABSTRAK

ANALYSIS OF PARKING CHARACTERISTICS AND DEMAND AT CHANDRA SWALAYAN METRO LAMPUNG SHOPPING CENTER

By

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Motor vehicle growth in Metro City reached 147,629 units (2023) with 0.82 units per capita, pressuring parking facilities. Chandra Swalayan Metro faces congestion during weekends and peak hours, causing queues and road shoulder parking. This study identifies parking characteristics, capacity, space requirements, and redesigns layouts.

Research conducted November 1–7, 2025 (12 hours daily, 09.00–21.00 WIB) using observations and 30 structured interviews. Analysis follows Ministry of Transportation Guidelines with compound interest projection (5.66% annual growth).

Results: average duration 110.96 minutes (cars), 81.40 minutes (motorcycles). Peak accumulation at 17.00–18.59 WIB (92 cars, 74 motorcycles). Car parking index 92% (sufficient), motorcycle 148% (overcapacity, 24 SRP shortage). Illegal parking averages 341 vehicles/day, revealing 507 SRP total demand with 357 SRP deficit. 70% user satisfaction, lighting most dissatisfying (50%). 2030 projection needs 220 SRP (70 SRP deficit). Recommendations: add minimum 245 motorcycle and 112 car SRP, improve lighting, optimize layout, enhance signage, plan multi-level parking.

Keywords: *Parking Characteristics, Parking Demand, Parking Index, Illegal Parking, Shopping Center.*