

ABSTRAK

PERANCANGAN GEDUNG PARKIR MOTOR PALEMBANG INDAH MALL KOTA PALEMBANG

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Perkembangan jumlah kendaraan pribadi yang tidak sebanding dengan kapasitas lahan seringkali menimbulkan permasalahan kemacetan dan ketidak nyamanan di lingkungan pemberlanjaan di area Palembang Indah Mall. Laporan akhir ini membahas Perancangan Gedung Parkir Motor Palembang Indah Mall Kota Palembang Perkembangan pusat perbelanjaan di Kota Palembang, salah satunya Palembang Indah Mall (PIM), berdampak signifikan terhadap peningkatan volume kendaraan pengunjung, khususnya kendaraan roda dua (sepeda motor). Keterbatasan lahan parkir horizontal saat ini memicu penumpukan kendaraan pada jam-jam sibuk (*peak hours*) yang berpotensi mengganggu sirkulasi lalu lintas di sekitar area mall. Penelitian ini bertujuan untuk merancang gedung parkir motor vertikal yang representatif, aman, dan efisien guna memenuhi kebutuhan Satuan Ruang Parkir (SRP) di Palembang Indah Mall.

Metode perencanaan diawali dengan pengumpulan data primer melalui survei sirkulasi kendaraan, yang meliputi volume kendaraan masuk-keluar, durasi parkir, dan akumulasi parkir maksimum. Data sekunder berupa *site plan* dan kapasitas eksisting bangunan juga digunakan sebagai penunjang. Analisis kebutuhan ruang parkir dilakukan berdasarkan pedoman teknis Direktorat Jenderal Perhubungan Darat tahun 1996 mengenai penyelenggaraan fasilitas parkir.

Kata Kunci : Gedung parkir, Palembang Indah Mall, Perancangan Struktur, Kapasitas Parkir, beton bertulang

ABSTRACT

DESIGN OF PALEMBANG INDAH MOTORCYCLE PARKING BUILDING IN PALEMBANG CITY MALL

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The growing number of private vehicles, disproportionate to the available land, often leads to congestion and discomfort in the shopping environment around Palembang Indah Mall. This final report discusses the design of a motorcycle parking structure for Palembang Indah Mall, Palembang City. The development of shopping centers in Palembang City, one of which is Palembang Indah Mall (PIM), has significantly impacted the increase in visitor traffic, particularly two-wheeled vehicles (motorcycles). The current limited horizontal parking space leads to vehicle congestion during peak hours, potentially disrupting traffic flow around the mall. This study aims to design a representative, safe, and efficient vertical motorcycle parking structure to meet the Parking Space Unit (SRP) requirement at Palembang Indah Mall.

The planning method begins with primary data collection through a vehicle circulation survey, covering vehicle entry and exit volumes, parking duration, and maximum parking accumulation. Secondary data, including site plans and existing building capacities, were also used as supporting data. The parking space requirements analysis was conducted based on the 1996 technical guidelines of the Directorate General of Land Transportation concerning the provision of parking facilities.

Keywords: *Parking building, Palembang Indah Mall, Structural Design, Parking Capacity, reinforced concrete*