

ABSTRACT

PERENCANAAN GEOMETRIK DAN TEBAL PERKERASAN JALAN LENTUR PADA JALAN SP. SEMAMBANG – SP. KULIM PADA STA 30+000 – STA 36+000 KABUPATEN PALI PROVINSI SUMATERA SELATAN

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Laporan akhir ini membahas perencanaan geometrik dan perkerasan lentur pada ruas jalan STA 30+000 hingga STA 36+000. Perencanaan ini dilakukan untuk mendukung kelancaran mobilitas masyarakat dan distribusi barang antardaerah, serta mendorong perkembangan infrastruktur wilayah. Kajian yang dilakukan meliputi perencanaan geometrik berdasarkan data topografi, lalu lintas, dan klasifikasi jalan; perencanaan perkerasan lentur dengan mempertimbangkan daya dukung tanah dan beban lalu lintas; serta perencanaan manajemen proyek yang mencakup analisis volume pekerjaan, rencana anggaran biaya, dan jadwal pelaksanaan. Hasil dari perencanaan ini diharapkan dapat menjadi acuan teknis dalam pembangunan jalan yang memenuhi aspek keamanan, kenyamanan, efisiensi, dan keberlanjutan.

Kata Kunci: Perencanaan Geometrik Jalan, Perkerasan Lentur, Jalan Semambang–Kulim, STA 30+000 – STA 36+000, Manajemen Proyek Jalan.

ABSTRACT

Geometric Planning and Flexible Pavement Thickness Design on the Road Segment Sp. Semambang – Sp. Kulim at STA 30+000 – STA 36+000, PALI Regency, South Sumatra Province

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This final report presents the geometric and flexible pavement design for the road segment connecting Sp. Semambang to Sp. Kulim in PALI Regency, South Sumatra Province, specifically from STA 30+000 to STA 36+000. The design aims to improve regional connectivity, facilitate the movement of people and goods, and support infrastructure development in the area. The study includes geometric planning based on topographic data, traffic volume, and road classification; flexible pavement design considering subgrade strength and traffic load; and project management planning involving work volume analysis, budget estimation, and scheduling. The outcome of this planning is expected to serve as a technical reference for constructing roads that meet standards of safety, comfort, efficiency, and sustainability.

Keywords: Road Geometric Design, Flexible Pavement, Semambang–Kulim Road, STA 30+000 – STA 36+000, Road Project Management.