

ABSTRAK

Perencanaan Gedung Tahap I Rumah Sakit AR Bunda Kabupaten Lahat Provinsi

M.Ari Pratama, M.Fazahra Wijayatama HR

Program Studi D-III, Jurusan Teknik Sipil, Politeknik Negeri Sriwijaya

Pembangunan Gedung Rumah Sakit AR Bunda di Kabupaten Lahat merupakan upaya strategis untuk meningkatkan kualitas layanan kesehatan masyarakat setempat. Dengan keterbatasan lahan yang tersedia, desain bangunan direncanakan vertikal sebanyak tiga lantai guna memaksimalkan fungsi ruang. Laporan akhir ini difokuskan pada aspek struktur bangunan, meliputi perencanaan dan pelaksanaan elemen-elemen struktural seperti pondasi, kolom, balok, dan pelat lantai.

Metode pengumpulan data dalam laporan ini mencakup observasi lapangan, wawancara dengan tim teknis, studi literatur, serta dokumentasi proses pembangunan. Analisis struktur dilakukan berdasarkan acuan Standar Nasional Indonesia (SNI) dan regulasi teknis yang berlaku untuk gedung fasilitas kesehatan bertingkat.

Hasil kajian menunjukkan bahwa struktur bangunan dirancang untuk mampu menahan beban vertikal dan horizontal secara efisien, dengan mempertimbangkan kondisi tanah, tinggi bangunan, dan faktor keamanan. Pembangunan dilakukan dengan sistem beton bertulang dan metode konstruksi bertahap, serta pengawasan ketat guna menjamin mutu dan kestabilan struktur.

Kata kunci: struktur bangunan, rumah sakit, tiga lantai, lahan terbatas, AR Bunda, konstruksi, Kabupaten Lahat

ABSTRACT

Planning for the AR Bunda Hospital Building, Lahat Regency, South Sumatra Province

M.Ari Pratama, M.Fazahra Wijayatama HR

Diploma Degree, Civil Engineering Department, State Polytechnic of Sriwijaya

The construction of the AR Bunda Hospital building in Lahat Regency is a strategic effort to improve the quality of local healthcare services. Due to limited available land, the building is designed vertically with three floors to maximize space functionality. This final report focuses on the structural aspects of the building, including the planning and implementation of structural elements such as foundations, columns, beams, and floor slabs.

The data collection methods used in this report include field observations, interviews with the technical team, literature studies, and documentation of the construction process. Structural analysis is conducted based on the Indonesian National Standards (SNI) and applicable technical regulations for multi-story healthcare facility buildings.

The study results show that the building structure is designed to efficiently withstand both vertical and horizontal loads, taking into account soil conditions, building height, and safety factors. Construction is carried out using a reinforced concrete system and a staged construction method, accompanied by strict supervision to ensure the quality and stability of the structure.

Keywords: building structure, hospital, three floors, limited land, AR Bunda, construction, Lahat Regenc

