

DAFTAR ISI

Halaman Judul

Lembar Pengesahan

Surat Pernyataan

Kata Pengantar i

Daftar Isi iii

Daftar Gambar ix

Daftar Tabel xvi

Abstrak xv

BAB I PENDAHULUAN

1.1 Latar Belakang I-1

1.2 Maksud dan Tujuan I-3

1.3 Ruang Lingkup dan Batasan Masalah I-4

1.4 Sistematika Penulisan I-4

BAB II DATA PROYEK

2.1 Data Umum Proyek II-1

2.2 Data Teknis Proyek II-2

| | |
|---------------------------------|------|
| 2.3 Lokasi Proyek..... | II-4 |
| 2.4 Fasilitas Perlengkapan..... | II-5 |

BAB III STRUKTUR ORGANISASI DAN MANAJEMEN PROYEK

| | |
|---|--------|
| 3.1 Organisasi Proyek | III-1 |
| 3.2 Prosedur Hubungan Kerja | III-3 |
| 3.2.1 Pemilik Proyek (<i>Owner</i>)..... | III-5 |
| 3.2.2 Konsultan Perencana | III-8 |
| 3.2.3 Kontraktor Pelaksana | III-9 |
| 3.2.4 Manajemen Konstruksi / Konsultan Pengawas | III-11 |
| 3.3 Struktur Organisasi Proyek | III-13 |
| 3.3.1 <i>Project Manager (PM)</i> | III-15 |
| 3.3.2 <i>Site Manager (SM)</i> | III-16 |
| 3.3.3 <i>Chief Engineering</i> | III-16 |
| 3.3.4 <i>Chief Supervisor</i> | III-17 |
| 3.3.5 <i>General Affair</i> | III-17 |
| 3.3.6 <i>Administrasion</i> | III-18 |
| 3.3.7 <i>Accounting</i> | III-19 |
| 3.3.8 <i>Estimator</i> | III-20 |

| | | |
|---|------------------------------------|--------|
| 3.3.9 | <i>Drafter</i> | III-20 |
| 3.3.10 | <i>Supervisor</i> | III-21 |
| 3.3.11 | <i>Surveyor</i> | III-21 |
| 3.3.12 | <i>Safety Officer</i> | III-23 |
| 3.3.13 | <i>Koordinator MEP</i> | III-25 |
| 3.3.14 | <i>Mechanic</i> | III-26 |
| 3.3.15 | <i>Logistic</i> | III-27 |
| 3.3.16 | <i>Quality Control (QC)</i> | III-27 |
| 3.3.17 | <i>Quality Surveyor (QS)</i> | III-29 |
| 3.3.18 | Mandor | III-30 |
| 3.3.19 | Pekerja | III-31 |
| 3.3.20 | <i>Security</i> | III-32 |
| 3.4 | Manajemen Proyek..... | III-32 |
| 3.5 | Kurva S..... | III-37 |
| BAB IV TUJUAN BAHAN BANGUNAN DAN ALAT-ALAT | | |
| 4.1 | Uraian Umum..... | IV-1 |
| 4.2 | Bahan Konstruksi..... | IV-1 |
| 4.2.1 | Air Kerja..... | IV-2 |

| | | |
|--------|--|-------|
| 4.2.2 | Beton <i>Ready Mix</i> | IV-3 |
| 4.2.3 | Beton <i>Decking</i> | IV-7 |
| 4.2.4 | Besi Beton | IV-8 |
| 4.2.5 | Kawat Bendrat | IV-9 |
| 4.2.6 | Semen <i>Non Shrink Grout</i> | IV-10 |
| 4.2.7 | <i>Curing Compound</i> | IV-11 |
| 4.2.8 | <i>Mould Oil</i> | IV-11 |
| 4.3 | Peralatan Kerja | IV-12 |
| 4.3.1 | <i>Tower Crane</i> | IV-13 |
| 4.3.2 | <i>Bar Cutter</i> | IV-14 |
| 4.3.3 | <i>Bar Bender</i> | IV-15 |
| 4.3.4 | <i>Concrete Bucket</i> dan Pipa Tremie | IV-16 |
| 4.3.5 | <i>Air Compressor</i> | IV-17 |
| 4.3.6 | <i>Concrete Vibrator</i> | IV-18 |
| 4.3.7 | Las | IV-19 |
| 4.3.8 | Pemotong Besi / <i>Cutting Wheel</i> | IV-20 |
| 4.3.9 | Sipatan | IV-21 |
| 4.3.10 | <i>Concrete Pump</i> | IV-21 |

| | |
|--|-------|
| 4.3.11 <i>Mixer Truck</i> | IV-22 |
| 4.3.12 Saluran Listrik | IV-23 |
| 4.3.13 Bekisting | IV-24 |
| 4.3.14 Sapot / <i>Push Pull Props</i> | IV-25 |
| 4.3.15 <i>Alluma System</i> | IV-26 |
| 4.3.16 <i>Total Station</i> | IV-27 |
| 4.3.17 <i>Power Trowel</i> | IV-28 |
| BAB V PELAKSANAAN PEKERJAAN | |
| 5.1 Uraian Umum | V-1 |
| 5.2 Metode Pelaksanaan Struktur | V-3 |
| 5.2.1 Pekerjaan Belok Plat Lantai | V-3 |
| 5.2.2 Pekerjaan Kolom | V-17 |
| 5.2.3 Pekerjaan <i>Shearwall</i> | V-30 |
| BAB VI KEMAJUAN PEKERJAAN DAN PENGENDALIAN PROYEK | |
| 6.1 Uraian Umum | VI-1 |
| 6.1.1 Laporan Harian | VI-3 |
| 6.1.2 Laporan Mingguan | VI-4 |
| 6.1.3 Laporan Bulanan | VI-5 |

| | |
|--------------------------------|-------|
| 6.2 Pengendalian Proyek..... | VI-6 |
| 6.2.1 Pengendalian Mutu..... | VI-7 |
| 6.2.2 Pengendalian Waktu..... | VI-18 |
| 6.2.3 Pengendalian Biaya | VI-21 |

BAB VII TINJAUAN KHUSUS METODE PELAKSANAAN PEKERJAAN KOLOM

| | |
|-------------------------------------|-------|
| 7.1 Uraian Umum..... | VII-1 |
| 7.2 Pekerjaan Strukur Kolom..... | VII-2 |
| 7.2.1 Dasar Teori | VII-2 |
| 7.2.2 Bahan Yang Digunakan..... | VII-3 |
| 7.2.3 Peralatan Yang Digunakan..... | VII-4 |
| 7.2.4 Metode Pelaksanaan Kolom..... | VII-7 |

BAB VIII KESIMPULAN

| | |
|----------------------|--------|
| 8.1 Kesimpulan | VIII-1 |
| 8.2 Saran | VIII-2 |

DAFTAR PUSTAKA

LAMPIRAN