**TUGAS AKHIR**

**DAFTAR ISI**

**Halaman Judul**

**Lembar Pengesahan**

**Surat Keputusan Dosen Pembimbing**

**Lembar Asistensi**

**Bukti Selesai Konsultasi Perbaikan TA**

**Kata Pengantar ........................................................................................ i Abstrak ...................................................................................................... ii Daftar Isi .................................................................................................. iii Daftar Gambar ........................................................................................ vi Daftar Tabel ........................................................................................... viii Daftar Lampiran ..................................................................................... ix**

**BAB I PENDAHULUAN**

**1.1 Latar Belakang ................................................................................... 1**

**1.2 Maksud dan Tujuan ........................................................................... 2**

**1.3 Rumusan Masalah .............................................................................. 2**

**1.4 Pembatasan Masalah ......................................................................... 2**

**1.5 Metodologi Penelitian ........................................................................ 3**

**1.6 Sistematika Penulisan .........................................................................3**

**BAB II TINJAUAN PUSTAKA**

**2.1 Dinding Penahan Tanah .................................................................... 5**

**2.2 Jenis-jenis Dinding Penahan Tanah ................................................. 5**

**2.3 Dinding Beton Bertulang ................................................................... 7**

**2.4 Sudut Geser Dalam .............................................................................7**

**2.5 Gaya pada Dinding Penahan Tanah ................................................ 7**

**2.6 Tekanan Tanah Aktiv Dan Pasif ...................................................... 9**

**2.7 Pemeriksaan Terhadap Geser ......................................................... 11**

**2.8 Pemeriksaan Terhadap Guling ....................................................... 12**

**2.9 Daya Dukung Tanah ........................................................................ 13**

**2.10 Persyaratan Desain Dinding Penahan Tanah ............................. 14**

**2.11 Rasio tulangan Maksimal dan Minimal ....................................... 15**

**2.12 Standar Perencanaan ..................................................................... 17**

**2.13 Beban ............................................................................................... 18**

**2.14 Beban Mati ...................................................................................... 18**

**2.15 Beban Hidup ................................................................................... 19**

**2.16 Faktor Beban .................................................................................. 20**

**BAB III PEMBAHASAN**

**3.1 Gambaran Umum Proyek ............................................................... 22**

**3.2 Data Proyek ...................................................................................... 23**

**3.3 Perencanaan Dinding Penahan Tanah ........................................... 24**

**3.4 Metode Pelaksanaan Pekerjaan Tunnel ........................................ 32**

**3.5 Penerapan K3 Pada Proyek MAXXIS (safety) ..............................36**

**3.6 Penanggulangan kecelakaan dalam proyek .................................. 41**

**BAB IV PENUTUPAN**

**4.1 Kesimpulan ....................................................................................... 43**

**4.2 Saran ................................................................................................. 43**

**DAFTAR PUSTAKA LAMPIRAN**