

DAFTAR ISI

| | |
|--|------|
| HALAMAN JUDUL | i |
| HALAMAN PENGESAHAN PEMBIMBING..... | ii |
| HALAMAN PENGESAHAN PENGUJI..... | iii |
| SURAT PERYATAAN KARYA ASLI SKRIPSI..... | iv |
| ABSTRAK..... | v |
| KATA PENGANTAR..... | vi |
| DAFTAR ISI | viii |
| DAFTAR GAMBAR..... | x |
| DAFTAR TABEL | xii |
| DAFTAR MODUL PROGRAM..... | xiii |
| | |
| BAB I PENDAHULUAN | 1 |
| 1.1 Latar Belakang Masalah | 1 |
| 1.2 Rumusan Masalah..... | 2 |
| 1.3 Batasan Masalah..... | 2 |
| 1.4 Tujuan Penelitian..... | 3 |
| 1.5 Manfaat Penelitian..... | 3 |
| 1.6 Metodologi Penelitian..... | 3 |
| 1.7 Sistematika Penulisan | 4 |
| | |
| BAB II LANDASAN TEORI..... | 5 |
| 2.1 Aplikasi..... | 5 |
| 2.2 Telepon Selular..... | 5 |
| 2.3 SMS (<i>Short Message Service</i>)..... | 5 |
| 2.3.1 Karakteristik SMS | 6 |
| 2.3.2 Manfaat SMS..... | 6 |
| 2.3.3 Pengiriman SMS..... | 6 |
| 2.3.4 SMSC (<i>Short Message Service Center</i>)..... | 7 |
| 2.4 Panggilan tak terjawab (<i>Missed Call</i>)..... | 7 |
| 2.5 Android..... | 8 |
| 2.5.1 Sejarah Android..... | 8 |
| 2.5.2 DVM (<i>Dalvik Virtual Machine</i>)..... | 9 |
| 2.5.3 Arsitektur Android..... | 9 |
| 2.5.4 Fitur-fitur Android..... | 12 |
| 2.5.5 Komponen Aplikasi Android..... | 13 |
| 2.5.6 Versi-versi Android | 15 |
| 2.5.7 Persentase Pengguna Android | 16 |
| 2.6 Eclipse | 16 |
| 2.7 Android SDK..... | 17 |
| 2.8 Java..... | 17 |
| 2.9 GRAPPLE (<i>Guidelines For Rapid APPLication Engineering</i>)..... | 19 |
| 2.10 UML (<i>Unified Modeling Language</i>) | 21 |
| 2.11 Studi Pustaka | 26 |
| | |
| BAB III ANALISIS DAN PERANCANGAN..... | 28 |
| 3.1 Perancangan Arsitektur Sistem..... | 28 |
| 3.2 Perencanaan Kebutuhan (<i>Requirement gathering</i>)..... | 28 |

| | | |
|---------------|--|------------|
| 3.3 | Analisis (<i>Analysis</i>)..... | 29 |
| 3.3.1 | Diagram <i>Use Case</i> | 29 |
| 3.3.2 | Skenario Diagram <i>Use Case</i> | 31 |
| 3.3.3 | Diagram Kelas | 36 |
| 3.3.4 | Diagram Sekuensial..... | 38 |
| 3.3.5 | Diagram Aktivitas..... | 48 |
| 3.4 | Perancangan (<i>Design</i>)..... | 59 |
| 3.4.1 | Perancangan Tabel..... | 59 |
| 3.4.2 | Perancangan Struktur Menu | 59 |
| 3.4.3 | Perancangan Antar Muka | 60 |
| BAB IV | IMPLEMENTASI | 68 |
| 4.1 | Kebutuhan Perangkat Keras | 68 |
| 4.2 | Kebutuhan Perangkat Lunak | 69 |
| 4.3 | Pengembangan (<i>Development</i>)..... | 69 |
| 4.3.1 | Otomatisasi SMS | 69 |
| 4.3.2 | Mengolah Profil SMS | 71 |
| 4.3.2.1 | Membuat Profil SMS..... | 74 |
| 4.3.2.2 | Mengubah Profil SMS | 89 |
| 4.3.2.3 | Menghapus Profil SMS | 92 |
| 4.3.3 | Mengaktifkan..... | 95 |
| 4.3.3.1 | Mendeteksi Panggilan Tak Terjawab | 98 |
| 4.3.3.2 | Mengirim SMS | 99 |
| 4.3.3.3 | Menampilkan Notifikasi Pengiriman SMS..... | 100 |
| 4.3.4 | Menonaktifkan..... | 100 |
| 4.3.5 | Menu..... | 101 |
| 4.3.5.1 | <i>About</i> | 103 |
| 4.3.5.2 | <i>Help</i> | 104 |
| 4.3.5.3 | <i>Timer</i> | 106 |
| 4.3.6 | Keluar | 109 |
| 4.4 | Penyebaran (<i>Develoyment</i>)..... | 109 |
| BAB V | PENUTUP | 110 |
| 5.1 | Kesimpulan..... | 110 |
| 5.2 | Saran | 110 |
| | DAFTAR PUSTAKA..... | |