

KATA PENGANTAR

Puji Syukur Kehadirat Tuhan Yang Maha Esa atas rahmat serta karunia-Nya sehingga penulis dapat menyelesaikan proyek akhir dengan judul “Aplikasi Pengolahan Data Pelanggan dan Administrasi TV Kabel”.

Sistem yang dibuat untuk membantu PT. Sulawesi Televisual Indonesia mengelola data pelanggan dan administrasi tv kabel. Proyek akhir ini dikerjakan demi memenuhi salah satu persyaratan guna memperoleh gelar ahli madya di jurusan Manajemen Informatika di Fakultas Ilmu Terapan Telkom University.

Pada kesempatan ini, saya ingin mengucapkan terimakasih kepada seluruh pihak yang telah memberikan penulis dukungan baik secara materi maupun non materi sehingga penulis dapat menyelesaikan proyek akhir, kepada :

1. Allah SWT yang senantiasa memberi rahmat, hidayah, dan anugerah yang tak terkira nikmatnya kepada penulis.
2. Orang tua terbaik di dunia H. Sulaiman dan Hj. Titin Murtini yang selalu memberikan doa, motivasi, semangat serta kasih sayang kepada penulis. Untuk Aa Reza, Aa Alan, Mba Een, Mba Santi dan Dede Lia yang selalu memberikan semangat dan doa selama ini.
3. Bapak Christanto Triwibisono dan Bapak Boby Siswanto selaku pembimbing yang telah memberikan waktu luangnya untuk dapat memberikan pengarahan, petunjuk dalam menyelesaikan proyek akhir.
4. PT. Sulawesi Televisual Indonesia, yang telah memberikan kesempatan bagi penulis untuk melakukan studi kasus demi kelancaran proyek akhir ini.
5. Teman-teman terbaikku Werihisfenli, Norma Apriliana, Kiki Fitrianti, Nyayu Febrianti, Rima Tiara Sari, Sabrina dan Rafilda yang selalu memberikan semangat dan bantuannya untuk kelancaran proyek akhir ini.

Penulis menyadari bahwa buku karya akhir ini masih jauh dari kesempurnaan, sehingga penulis mengharapkan kritik dan saran yang membangun. Semoga buku proyek akhir ini dapat bermanfaat bagi pembaca.

Bandung, 03 September 2014

Penulis

DAFTAR ISI

| | |
|--|------------------------------|
| KATA PENGANTAR | Error! Bookmark not defined. |
| ABSTRAK | Error! Bookmark not defined. |
| ABSTRACT | Error! Bookmark not defined. |
| DAFTAR ISI | iii |
| DAFTAR GAMBAR | vi |
| DAFTAR TABEL | viii |
| DAFTAR LAMPIRAN..... | 9 |
| BAB 1 PENDAHULUAN | Error! Bookmark not defined. |
| 1.1 Latar Belakang | Error! Bookmark not defined. |
| 1.2 Rumusan Masalah..... | Error! Bookmark not defined. |
| 1.3 Tujuan | Error! Bookmark not defined. |
| 1.4 Batasan Masalah..... | Error! Bookmark not defined. |
| 1.5 Definisi Operasional..... | Error! Bookmark not defined. |
| 1.6 MetodePengerjaan | Error! Bookmark not defined. |
| 1.7 Jadwal Pengerjaan | Error! Bookmark not defined. |
| BAB 2 TINJAUAN PUSTAKA | Error! Bookmark not defined. |
| 2.1 Teori TV Kabel..... | Error! Bookmark not defined. |
| 2.2 Teori Analisis Perancangan..... | Error! Bookmark not defined. |
| 2.2.1 Aplikasi | Error! Bookmark not defined. |
| 2.2.2 Hyper Text Markup Language (HTML) | Error! Bookmark not defined. |
| 2.2.3 PHP | Error! Bookmark not defined. |
| 2.2.4 Codelgniter..... | Error! Bookmark not defined. |
| 2.2.5 Basis Data | Error! Bookmark not defined. |
| 2.2.6 Black Box Testing..... | Error! Bookmark not defined. |
| 2.2.7 Framework | Error! Bookmark not defined. |
| 2.2.8 My SQL | Error! Bookmark not defined. |
| 2.2.9 Class Diagram..... | Error! Bookmark not defined. |
| 2.2.10 Usecase Diagram..... | Error! Bookmark not defined. |
| 2.2.11 Flowmap..... | Error! Bookmark not defined. |

| | | |
|---------------------------------------|--|------------------------------|
| 2.2.12 | Activity Diagram | Error! Bookmark not defined. |
| 2.2.13 | SMS Gateway | Error! Bookmark not defined. |
| BAB 3 ANALISIS DAN PERANCANGAN | | Error! Bookmark not defined. |
| 3.1 | Gambaran Sistem Saat Ini (atau Produk)..... | Error! Bookmark not defined. |
| 3.1.1 | Gambaran Sistem Saat Ini | Error! Bookmark not defined. |
| 3.2 | Gambaran Sistem yang di Usulkan | Error! Bookmark not defined. |
| 3.3 | Analisis Kebutuhan Sistem (atau Produk)..... | Error! Bookmark not defined. |
| 3.3.1 | UseCase Diagram | Error! Bookmark not defined. |
| 3.3.2 | Definisi Aktor..... | Error! Bookmark not defined. |
| 3.3.3 | Definisi UseCase | Error! Bookmark not defined. |
| 3.3.4 | Skenario UseCase | Error! Bookmark not defined. |
| 3.3.5 | Class Diagram | Error! Bookmark not defined. |
| 3.3.6 | Activity Diagram | Error! Bookmark not defined. |
| 3.4 | Perancangan Basis Data..... | Error! Bookmark not defined. |
| 3.4.1 | ERD (Entity Relationship Diagram)..... | Error! Bookmark not defined. |
| 3.4.2 | Relationship Diagram | Error! Bookmark not defined. |
| 3.4.3 | Struktur Table..... | Error! Bookmark not defined. |
| 3.5 | Kebutuhan Perangkat Keras dan Perangkat Lunak..... | Error! Bookmark not defined. |
| 3.5.1 | Pengembangan Sistem..... | Error! Bookmark not defined. |
| 3.5.2 | Implementasi Sistem..... | Error! Bookmark not defined. |
| BAB 4 IMPLEMENTASI DAN PENGUJIAN..... | | Error! Bookmark not defined. |
| 4.1 | Implementasi | Error! Bookmark not defined. |
| 4.1.1 | Halaman Login..... | Error! Bookmark not defined. |
| 4.1.2 | Halaman Beranda | Error! Bookmark not defined. |
| 4.1.3 | Halaman Daftar Karyawan | Error! Bookmark not defined. |
| 4.1.4 | Halaman Input Karyawan..... | Error! Bookmark not defined. |
| 4.1.5 | Halaman Update Karyawan..... | Error! Bookmark not defined. |
| 4.1.6 | Halaman Daftar Pelanggan..... | Error! Bookmark not defined. |
| 4.1.7 | Halaman Input Pelanggan | Error! Bookmark not defined. |
| 4.1.8 | Halaman Update Pelanggan..... | Error! Bookmark not defined. |
| 4.1.9 | Halaman Daftar Paket Pelanggan | Error! Bookmark not defined. |
| 4.1.10 | Halaman Input Paket Pelanggan | Error! Bookmark not defined. |

| | | |
|----------------------|---------------------------------|------------------------------|
| 4.1.11 | Halaman Daftar History..... | Error! Bookmark not defined. |
| 4.1.12 | Halaman Daftar Paket | Error! Bookmark not defined. |
| 4.1.13 | Halaman Input Paket..... | Error! Bookmark not defined. |
| 4.1.14 | Halaman Update Paket | Error! Bookmark not defined. |
| 4.1.15 | Halaman Daftar Transaksi | Error! Bookmark not defined. |
| 4.1.16 | Halaman Input Transaksi..... | Error! Bookmark not defined. |
| 4.1.17 | Halaman Laporan Pemasukkan..... | Error! Bookmark not defined. |
| 4.1.18 | Halaman Laporan Pelanggan..... | Error! Bookmark not defined. |
| 4.1.19 | Halaman Tabel Laporan | Error! Bookmark not defined. |
| 4.2 | Analisis Hasil Pengujian | Error! Bookmark not defined. |
| BAB 5 | PENUTUP | Error! Bookmark not defined. |
| 5.1 | Kesimpulan | Error! Bookmark not defined. |
| 5.2 | Saran | Error! Bookmark not defined. |
| DAFTAR PUSTAKA | | Error! Bookmark not defined. |
| LAMPIRAN..... | | Error! Bookmark not defined. |

DAFTAR GAMBAR

| | |
|---|------------------------------|
| Gambar 1.1 Waterfall | Error! Bookmark not defined. |
| Gambar 3.1 Data Pelanggan | Error! Bookmark not defined. |
| Gambar 3.2 Flowmap Pengelolaan Transaksi | Error! Bookmark not defined. |
| Gambar 3.3 Flowmap Laporan | Error! Bookmark not defined. |
| Gambar 3.4 Flowmap Pengelolaan Transaksi | Error! Bookmark not defined. |
| Gambar 3.5 Flowmap Pengelolaan Data Pelanggan | Error! Bookmark not defined. |
| Gambar 3.6 Pengelolaan Data Pegawai | Error! Bookmark not defined. |
| Gambar 3.7 Flowmap Pengelolaan Laporan | Error! Bookmark not defined. |
| Gambar 3.8 Usecase Diagram | Error! Bookmark not defined. |
| Gambar 3.9 Class Diagram | Error! Bookmark not defined. |
| Gambar 3.10 Activity Diagram Login | Error! Bookmark not defined. |
| Gambar 3.11 Activity Diagram Karyawan | Error! Bookmark not defined. |
| Gambar 3.12 Activity Diagram Pelanggan | Error! Bookmark not defined. |
| Gambar 3.13 Activity Diagram Berlangganan | Error! Bookmark not defined. |
| Gambar 3.14 Activity Diagram Paket | Error! Bookmark not defined. |
| Gambar 3.15 Activity Diagram Transaksi | Error! Bookmark not defined. |
| Gambar 3.16 Activity Diagram Lihat Laporan | Error! Bookmark not defined. |
| Gambar 3.17 Entity Relationship Diagram | Error! Bookmark not defined. |
| Gambar 3.18 Diagram Relasi | Error! Bookmark not defined. |
| Gambar 4.1 Login Petugas | Error! Bookmark not defined. |
| Gambar 4.2 Beranda | Error! Bookmark not defined. |
| Gambar 4.3 Daftar Karyawan | Error! Bookmark not defined. |
| Gambar 4.4 Input Karyawan | Error! Bookmark not defined. |
| Gambar 4.5 Input Karyawan | Error! Bookmark not defined. |
| Gambar 4.6 Update Karyawan | Error! Bookmark not defined. |
| Gambar 4.7 Update Karyawan | Error! Bookmark not defined. |
| Gambar 4.8 Daftar Pelanggan | Error! Bookmark not defined. |
| Gambar 4.9 Input Pelanggan | Error! Bookmark not defined. |
| Gambar 4.10 Input Pelanggan dan Detail Berlangganan | Error! Bookmark not defined. |
| Gambar 4.11 Update Pelanggan | Error! Bookmark not defined. |
| Gambar 4.12 Update Pelanggan | Error! Bookmark not defined. |
| Gambar 4.13 Daftar Paket Pelanggan | Error! Bookmark not defined. |
| Gambar 4.14 Input Paket Pelanggan | Error! Bookmark not defined. |
| Gambar 4.15 Daftar History | Error! Bookmark not defined. |
| Gambar 4.16 Daftar Paket | Error! Bookmark not defined. |
| Gambar 4.17 Input Paket | Error! Bookmark not defined. |
| Gambar 4.18 Update Paket | Error! Bookmark not defined. |
| Gambar 4.19 Daftar Transaksi | Error! Bookmark not defined. |

| | |
|-------------------------------------|------------------------------|
| Gambar 4.20 Input Transaksi | Error! Bookmark not defined. |
| Gambar 4.21 Laporan Pemasukan | Error! Bookmark not defined. |
| Gambar 4.22 Laporan Pelanggan | Error! Bookmark not defined. |
| Gambar 4.23 Tabel Laporan..... | Error! Bookmark not defined. |
| Gambar 4.24 Tabel Laporan..... | Error! Bookmark not defined. |
| Gambar 4.25 Tabel Laporan..... | Error! Bookmark not defined. |

DAFTAR TABEL

| | |
|--|------------------------------|
| Tabel 1.1 Jadwal Pengerjaan..... | Error! Bookmark not defined. |
| Tabel 1.2 Jadwal Pengerjaan..... | Error! Bookmark not defined. |
| Tabel 2.1 Class Diagram | Error! Bookmark not defined. |
| Tabel 2.2 Usecase Diagram | Error! Bookmark not defined. |
| Tabel 2.3 Flowmap..... | Error! Bookmark not defined. |
| Tabel 2.4 Activity Diagram | Error! Bookmark not defined. |
| Tabel 3.1 Definisi Aktor..... | Error! Bookmark not defined. |
| Tabel 3.2 Definisi Usecase..... | Error! Bookmark not defined. |
| Tabel 3.3 Struktur Tabel Karyawan..... | Error! Bookmark not defined. |
| Tabel 3.4 Struktur Tabel Pelanggan | Error! Bookmark not defined. |
| Tabel 3.5 Struktur Tabel Berlangganan..... | Error! Bookmark not defined. |
| Tabel 3.6 Struktur Tabel Paket..... | Error! Bookmark not defined. |
| Tabel 3.7 Struktur Tabel Transaksi..... | Error! Bookmark not defined. |

DAFTAR LAMPIRAN

| | |
|--|------------------------------|
| Lampiran 1 Pengujian Login Petugas | Error! Bookmark not defined. |
| Lampiran 2 Form Karyawan | Error! Bookmark not defined. |
| Lampiran 3 Form Pelanggan | Error! Bookmark not defined. |
| Lampiran 4 Form Paket..... | Error! Bookmark not defined. |
| Lampiran 5 Form Berlangganan..... | Error! Bookmark not defined. |
| Lampiran 6 Form Transaksi..... | Error! Bookmark not defined. |