

DAFTAR ISI

HALAMAN JUDUL	
PERNYATAAN KEASLIAN TUGAS AKHIR	
PERSETUJUAN DOSEN PEMBIMBING	
PERSETUJUAN TIM PENGUJI TUGAS AKHIR	
ABSTRACT	iv
KATA PENGANTAR.....	vii
DAFTAR ISI.....	x
DAFTAR GAMBAR.....	xiii
DAFTAR TABEL	xv
DAFTAR LAMPIRAN	xvi
BAB I PENDAHULUAN.....	1
1.1 Latar Belakang.....	1
1.2 Perumusan Masalah.....	2
1.3 Pembatasan Masalah	3
1.4 Tujuan Penelitian.....	5
1.5 Metodologi Penelitian	5
1.5.1 Metode Pengumpulan Data.....	5
1.5.2 Metodologi Pengembangan Sistem.....	6
1.6 Sistematika Penulisan.....	7
BAB II LANDASAN TEORI	9
2.1 Prinsip dasar Akutansi.....	9
2.1.1 Peran akutansi dalam perusahaan.....	9
2.1.2 Prinsip-prinsip Akutansi yang Berlaku Umum.....	9
2.1.2.1 Konsep Entitas Usaha	10
2.1.2.2 Konsep Biaya.....	10
2.1.3 Aktiva, Kewajiban dan Ekuitas Pemilik	10
2.1.4 Laporan Keuangan	11
2.2 Systems Development Life Cycle (SDLC)	12
2.2.1 Prototyping.....	12
2.2.2 Perencanaan.....	13
2.2.3 Analisis.....	14
2.2.4 Desain.....	14
2.2.5 Implementasi	14
2.2.5.1 Pengujian	15
2.2.5.2 Konversi.....	16

2.3	Unified Modeling Language 2.0 (UML 2.0).....	19
2.3.1	Activity Diagram.....	20
2.3.2	Use Case Diagram.....	21
2.3.2	Class Diagram.....	23
2.4	Relational Database Management System (RDBMS).....	23
2.5	MySQL (My Structure Query Language).....	24
2.6	Structured Query Language (SQL).....	25
2.7	PHP: Hypertext Preprocessor (PHP).....	26
2.8	Prinsip-Prinsip Perancangan Web.....	26
2.9	Eight Golden Rules of Interface Design.....	29
BAB III SISTEM SAAT INI.....		31
3.1	Profil Perusahaan.....	31
3.2	Visi dan Misi.....	32
3.3	Jasa yang ditawarkan.....	32
3.4	Struktur Organisasi.....	34
3.5	Analisis sistem saat ini.....	34
3.5.1	Kendala Sistem Saat Ini.....	35
3.5.2	Penggambaran Proses saat ini dengan <i>Activity diagram</i>	37
BAB IV ANALISIS DAN PERANCANGAN SISTEM USULAN.....		45
4.1	Tahap Perencanaan.....	45
4.1.1	Identifikasi Sistem.....	45
4.1.2	Analisis Kelayakan Sistem.....	47
4.2	Tahap Analisis.....	49
4.2.1	User Requirements.....	50
4.2.1.1	<i>Functional Requirement</i>	50
4.2.1.2	<i>Non-functional Requirement</i>	58
4.2.2	<i>Functional Modelling</i> (Pemodelan fungsional).....	59
4.2.3	<i>Structural Modelling</i> (Permodalan Struktural).....	96
4.3	Tahap Perancangan.....	97
4.3.1	Perancangan Lapisan Manajemen Data.....	97
4.3.1.1	Table Relationship Diagram.....	97
4.3.1.2	Deskripsi Tabel.....	99
4.3.2	Eight Golden Rules.....	107
4.3.3	Perancangan Lapisan Antarmuka (<i>Interface Design</i>).....	109
BAB V IMPLEMENTASI.....		131

5.1	Pengujian Aplikasi.....	131
5.2	Rencana Konversi.....	140
BAB VI KESIMPULAN DAN SARAN		142
6.1	Kesimpulan.....	142
6.2	Saran.....	143
DAFTAR PUSTAKA		144
LAMPIRAN		



DAFTAR GAMBAR

Gambar 2.1 Metode <i>prototyping</i>	13
Gambar 3.1 Struktur Organisasi.....	34
Gambar 3.2 <i>Activity diagram</i> penerimaan siswa baru	37
Gambar 3.3 <i>Activity diagram</i> penerimaan pembayaran biaya kursus siswa.....	39
Gambar 3.4 <i>Activity diagram</i> pembayaran biaya gaji pengajar	40
Gambar 3.5 <i>Activity diagram</i> penentuan kenaikan gaji pengajar	41
Gambar 3.6 <i>Activity diagram</i> pembayaran gaji staf.....	43
Gambar 3.7 <i>Activity diagram</i> penentuan kenaikan gaji staf	44
Gambar 4.1 <i>Use case diagram</i> sistem usulan	60
Gambar 4.2 <i>Activity diagram</i> sistem usulan <i>add user</i>	61
Gambar 4.3 <i>Activity diagram</i> sistem usulan <i>manage user</i>	63
Gambar 4.4 <i>Activity diagram</i> sistem usulan <i>login</i>	65
Gambar 4.5 <i>Activity diagram</i> sistem usulan <i>change password</i>	66
Gambar 4.6 <i>Activity diagram</i> sistem usulan <i>add student</i>	68
Gambar 4.7 <i>Activity diagram</i> sistem usulan <i>manage student</i>	69
Gambar 4.8 <i>Activity diagram</i> sistem usulan <i>add staff</i>	71
Gambar 4.9 <i>Activity diagram</i> sistem usulan <i>manage staff</i>	72
Gambar 4.10 <i>Activity diagram</i> sistem usulan <i>add schedule</i>	73
Gambar 4.11 <i>Activity diagram</i> sistem usulan <i>manage schedule</i>	75
Gambar 4.12 <i>Activity diagram</i> sistem usulan <i>record teacher attendance</i>	77
Gambar 4.13 <i>Activity diagram</i> <i>manage teacher presence</i>	78
Gambar 4.14 <i>Activity diagram</i> <i>add inventory</i>	79
Gambar 4.15 <i>Activity diagram</i> <i>manage inventory</i>	81
Gambar 4.16 <i>Activity diagram</i> <i>record school fee transaction</i>	83
Gambar 4.17 <i>Activity diagram</i> <i>record salary payment</i>	84
Gambar 4.18 <i>Activity diagram</i> <i>record sales of product</i>	86
Gambar 4.19 <i>Activity diagram</i> <i>add position</i>	87
Gambar 4.20 <i>Activity diagram</i> <i>manage position</i>	88
Gambar 4.21 <i>Activity diagram</i> <i>add roles</i>	90
Gambar 4.22 <i>Activity diagram</i> <i>manage roles</i>	91
Gambar 4.23 <i>Activity diagram</i> <i>add salary</i>	93
Gambar 4.24 <i>Activity diagram</i> <i>manage salary</i>	94
Gambar 4.25 <i>Class Diagram</i>	96
Gambar 4.26 <i>Table Relationship Diagram</i>	98
Gambar 4.27 Halaman <i>login</i>	109
Gambar 4.28 Halaman <i>forgot password</i>	110
Gambar 4.29 Halaman <i>home</i>	110
Gambar 4.30 Halaman <i>deadline payment</i>	111
Gambar 4.31 Halaman <i>late payment</i>	111
Gambar 4.32 Halaman <i>absence student</i>	111
Gambar 4.33 Halaman <i>change password</i>	112
Gambar 4.34 Halaman <i>change profile</i>	113

Gambar 4.35 Menu utama untuk administrator	113
Gambar 4.36 Menu utama untuk Supervisor	114
Gambar 4.37 Menu untuk staf administrasi	114
Gambar 4.38 Menu untuk investor.....	114
Gambar 4.39 Halaman <i>view register</i>	115
Gambar 4.40 Halaman <i>add new register</i>	116
Gambar 4.41 Halaman edit register	117
Gambar 4.42 Halaman <i>view schedule</i>	118
Gambar 4.43 halaman <i>add schedule</i>	118
Gambar 4.44 Halaman <i>edit schedule</i>	119
Gambar 4.45 Halaman <i>view level</i>	120
Gambar 4.46 Halaman <i>add level</i>	120
Gambar 4.47 Halaman <i>edit level</i>	121
Gambar 4.48 Halaman <i>view staff</i>	121
Gambar 4.49 Halaman <i>add staff</i>	122
Gambar 4.50 Halaman <i>edit staff</i>	123
Gambar 4.51 Halaman <i>add salary of staff</i>	124
Gambar 4.52 Halaman <i>view salary</i>	124
Gambar 4.53 Halaman <i>add salary</i>	125
Gambar 4.54 Halaman <i>edit salary</i>	125
Gambar 4.55 Halaman <i>view position</i>	126
Gambar 4.56 Halaman <i>add position</i>	126
Gambar 4.58 Halaman <i>view inventory</i>	127
Gambar 4.58 Halaman <i>add inventory</i>	127
Gambar 4.59 Halaman <i>add stock</i>	128
Gambar 4.60 Halaman <i>general journal</i>	129
Gambar 4.61 Halaman <i>profit loss</i>	130

DAFTAR TABEL

Tabel 2.1 Elemen-elemen <i>activity diagram</i>	20
Tabel 2.2 Elemen-elemen <i>Use Case Diagram</i>	22
Tabel 2.3 Elemen-elemen <i>Class Diagram</i>	23
Tabel 3.1 Contoh program belajar	33
Tabel 4.1 Daftar usulan piranti lunak (software) dan piranti keras (hardware)	49
Tabel 4.2 Deskripsi Tabel <i>Branch</i>	99
Tabel 4.3 Deskripsi Tabel <i>position</i>	99
Tabel 4.4 Deskripsi Tabel <i>User</i>	99
Tabel 4.5 Deskripsi Tabel <i>Roles</i>	100
Tabel 4.6 Deskripsi Tabel <i>Staff</i>	100
Tabel 4.7 Deskripsi Tabel <i>Staff_presence_list</i>	101
Tabel 4.8 Deskripsi Tabel <i>salary_staff</i>	101
Tabel 4.9 Deskripsi Tabel <i>Salary</i>	101
Tabel 4.10 Deskripsi Tabel <i>account_list</i>	101
Tabel 4.11 Deskripsi Tabel <i>salary_transacion</i>	102
Tabel 4.12 Deskripsi Tabel <i>student_in_class</i>	102
Tabel 4.13 Deskripsi Tabel <i>schoolfee_transaction</i>	102
Tabel 4.14 Deskripsi Tabel <i>student_presence_list</i>	103
Tabel 4.15 Deskripsi Tabel <i>level</i>	103
Tabel 4.16 Deskripsi Tabel <i>class</i>	103
Tabel 4.17 Deskripsi Tabel <i>Room</i>	103
Tabel 4.18 Deskripsi Tabel <i>Student</i>	104
Tabel 4.19 Deskripsi Tabel <i>schedule</i>	105
Tabel 4.20 Deskripsi Tabel <i>journal</i>	105
Tabel 4.21 Deskripsi Tabel <i>journal_transaction</i>	105
Tabel 4.22 Deskripsi Tabel <i>product</i>	105
Tabel 4.23 Deskripsi Tabel <i>pricelist_history</i>	106
Tabel 4.24 Deskripsi Tabel <i>buy_transaction</i>	106
Tabel 4.25 Deskripsi Tabel <i>buy_transaction_detail</i>	106
Tabel 4.26 Deskripsi Tabel <i>sales_transaction</i>	106
Tabel 4.27 Deskripsi Tabel <i>month</i>	107
Tabel 4.28 Deskripsi Tabel <i>sales_transaction_detail</i>	107
Tabel 5.1 tabel pengujian mengubah <i>password</i>	132
Tabel 5.2 tabel pengujian mengubah data diri	133
Tabel 5.3 tabel pengujian menambah data siswa	134
Tabel 5.4 Tabel pengujian mengubah data pendaftar	135
Tabel 5.5 Tabel pengujian mengubah data siswa	136
Tabel 5.6 tabel pengujian menambah data staf	138
Tabel 5.7 tabel pengujian mengubah data staf	139

DAFTAR LAMPIRAN

LAMPIRAN A HASIL WAWANCARA.....	A-1
LAMPIRAN B DOKUMEN SAAT INI.....	B-1
LAMPIRAN C <i>USE CASE DESCRIPTION</i>	C-1
LAMPIRAN D PENGUJIAN APLIKASI.....	D-1

