

## DAFTAR ISI

<b>Judul</b> .....	i
<b>Halaman Judul Dalam</b> .....	ii
<b>Lembar Pengesahan</b> .....	iii
<b>Lembar Pengesahan Sidang</b> .....	iv
<b>Lembar Pernyataan Keaslian</b> .....	v
<b>Abtrak</b> .....	vi
<b>Kata Pengantar</b> .....	vii
<b>Daftar Isi</b> .....	ix
<b>Daftar Gambar</b> .....	xiv
<b>Daftar Tabel</b> .....	xvi
<b>BAB I Pendahuluan</b> .....	<b>1</b>
1.1 Latar Belakang.....	1
1.2 Identifikasi Masalah.....	2
1.3 Tujuan Penelitian .....	3
1.4 Batasan Masalah .....	3
1.5 Manfaat penelitian .....	3
1.6 Sistematika Penulisan .....	4
<b>BAB II LANDASAN TEORI DAN KERANGKA PEMIKIRAN</b> ..	<b>5</b>
2.1 Landasan Teori .....	5
2.1.1 Definisi Sistem.....	5
2.1.2 Definisi informasi .....	5
2.1.3 Definisi Sistem Informasi .....	5
2.1.4 Definisi Pengembangan .....	6
2.1.5 Definisi Penggajian .....	6
2.1.6 Definisi Website .....	6
2.1.7 HTML .....	7
2.1.8 PHP .....	7

2.1.9 MySQL .....	9
2.1.10 <i>Extream Programming</i> (XP).....	10
2.1.10.1 Tujuan XP.....	11
2.1.10.2 Penggunaan XP.....	11
2.1.10.3 Aspek Dasar XP.....	11
2.1.11 UML ( <i>Unified Modeling Language</i> ).....	13
2.1.11.1 Diagram Kelas .....	14
2.1.11.2 <i>Package Diagram</i> .....	16
2.1.11.3 <i>UseCase Diagram</i> .....	17
2.1.11.4 <i>Activity Diagram</i> .....	19
2.1.11.5 <i>Sequence Diagram</i> .....	22
2.1.11.6 <i>State machine Diagram</i> .....	24
2.1.11.7 <i>Deployment diagram</i> .....	26
2.1.11.8 <i>Communication Diagram</i> .....	27
2.2 Metodologi Perencanaan dan Pengembangan Sistem Informasi...	28
2.2.1 Metode Pengumpulan data.....	28
2.2.2 Metodologi pengembangan Sistem Informasi.....	28
<b>BAB III Gambaran Umum Responden.....</b>	<b>30</b>
3.1 Profil Perusahaan .....	30
3.2 Lokasi Perusahaan .....	31
3.3 Visi dan Misi.....	32
3.3.1 Visi .....	32
3.3.2 Misi.....	32
3.4 Struktur Organisasi .....	33
3.5 Proses Bisnis yang Berjalan .....	35
3.6 Analisis Masalah.....	37
3.7 Rencana Solusi Pemecahan Masalah .....	38
3.8 Proses Bisnis yang di usulkan .....	40
4.1 Metode <i>Extream Programming</i> (XP).....	44

4.1.1 Perencanaan( <i>Planning</i> ).....	44
4.1.1.1 Fitur Sistem.....	44
4.1.2 Desain ( <i>Design</i> ) .....	45
4.1.2.1 <i>User Stories</i> .....	46
4.1.2.1.1 SDM.....	46
4.1.2.1.2 Admin Penjadwalan .....	47
4.1.2.1.3 Admin Keuangan .....	47
4.1.2.1.4 Aslab .....	48
4.1.2.1.5 Admin Prodi.....	48
4.1.2.2 <i>Class Diagram</i> .....	49
4.1.2.3 <i>UseCase Diagram</i> .....	50
4.1.2.3.1 <i>Use Case</i> SDM.....	50
4.1.2.3.2 <i>Use Case</i> Admin Penjadwalan .....	51
4.1.2.3.3 <i>Use Case</i> Admin Keuangan .....	52
4.1.2.3.4 <i>Use Case</i> Admin Prodi.....	53
4.1.2.3.5 <i>Use Case</i> Aslab .....	54
4.1.2.4 <i>Activity Diagram</i> .....	55
4.1.2.4.1 <i>Activity Diagram</i> <i>User Login</i> .....	55
4.1.2.4.2 <i>Activity Diagram</i> Tambah Data Pegawai .....	56
4.1.2.4.3 <i>Activity Diagram</i> Edit Data Pegawai .....	57
4.1.2.4.4 <i>Activity Diagram</i> Hapus Data Pegawai .....	58
4.1.2.4.5 <i>Activity Diagram</i> Kirim <i>mailbox</i> .....	59
4.1.2.4.6 <i>Activity Diagram</i> Isi Materi .....	60
4.1.2.4.7 <i>Activity Diagram</i> Slip Gaji.....	61
4.1.2.4.8 <i>Activity Diagram</i> Tambah Kurikulum.....	62
4.1.2.4.9 <i>Activity Diagram</i> Edit Kurikulum .....	63
4.1.2.4.10 <i>Activity Diagram</i> Delete Kurikulum .....	64
4.1.2.4.11 <i>Activity Diagram</i> Add Penjadwalan .....	65
4.1.2.4.12 <i>Activity Diagram</i> Edit Penjadwalan .....	66

4.1.2.4.13 Activity Diagram Delete Penjadwalan .....	67
4.1.2.4.14 Activity Diagram Generate Honor .....	68
4.1.2.4.15 Activity Diagram Detail Laporan Honor .....	69
4.1.2.4.16 Activity Diagram Rekap Laporan Honor.....	70
4.1.2.5 Sequence Diagram.....	71
4.1.2.5.1 Sequence Diagram Login.....	71
4.1.2.5.2 Sequence Diagram Tambah Data Pegawai .....	72
4.1.2.5.3 Sequence Diagram Edit Data Pegawai.....	73
4.1.2.5.4 Sequence Diagram Delete Data Pegawai .....	74
4.1.2.5.5 Sequence Diagram Mailbox.....	75
4.1.2.5.6 Sequence Diagram isi Materi.....	76
4.1.2.5.7 Sequence Diagram Slip Gaji.....	77
4.1.2.5.8 Sequence Diagram Add Kurikulum .....	78
4.1.2.5.9 Sequence Diagram Edit Kurikulum .....	79
4.1.2.5.10 Sequence Diagram Hapus Kurikulum.....	80
4.1.2.5.11 Sequence Diagram Add Penjadwalan.....	81
4.1.2.5.12 Sequence Diagram Edit Penjadwalan .....	82
4.1.2.5.13 Sequence Diagram Delete Penjadwalan.....	83
4.1.2.5.14 Sequence Diagram Generate Honor .....	84
4.1.2.5.15 Sequence Diagram Detail Laporan Honor .....	85
4.1.2.5.16 Sequence Diagram Rekap Laporan Honor.....	86
4.1.2.6 Deployment Diagram.....	87
4.1.3 Coding .....	88
4.1.4 Testing .....	88
4.2 Perbandingan Sistem Lama dan Sistem Baru.....	91
<b>BAB V Kesimpulan dan Saran .....</b>	<b>92</b>
5.1 Kesimpulan.....	92
5.2 Saran .....	92
<b>DAFTAR PUSTAKA.....</b>	<b>93</b>

<b>DAFTAR RIWAYAT HIDUP .....</b>	<b>96</b>
<b>DAFTAR LAMPIRAN.....</b>	<b>L-1</b>