

Daftar Isi

Abstrak.....	ii
Abstract.....	iii
LEMBAR PENGESAHAN	iv
LEMBAR PERNYATAAN ORISINALITAS.....	v
Kata Pengantar.....	vi
Daftar Isi	vii
Daftar Tabel.....	x
Daftar Gambar	xi
Daftar Lampiran.....	xiii
BAB I PENDAHULUAN.....	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah	2
I.3 Tujuan Penelitian	3
I.4 Manfaat Penelitian	3
I.5 Batasan Masalah	3
I.6 Sistematika Laporan.....	4
BAB II TINJAUAN PUSTAKA.....	6
II.1 Literatur.....	6
II.1.1 <i>Outcome-Based Education (OBE)</i>	6
II.1.2 <i>Software Engineering</i>	7
II.1.3 <i>Web Architecture</i>	12
II.1.4 <i>Unified Modeling Language</i>	13
II.1.5 <i>Back-end Development</i>	14
II.1.6 <i>Dashboard</i>	15
II.1.7 <i>Black Box Testing</i>	15

II.1.8	Penelitian Terdahulu	17
II.2	Pemilihan Metode	19
BAB III METODOLOGI PENELITIAN		21
III.1	Model Konseptual	21
III.2	Sistematika Penyelesaian Masalah	22
III.3	Metode Evaluasi.....	24
BAB IV PENYELESAIAN PERMASALAHAN		25
IV.1	Pengumpulan Data dan Analisis Data.....	25
IV.2	Perancangan Sistem	34
IV.2.1	Kebutuhan Sistem	34
IV.2.2	<i>Flowchart Website</i>	35
IV.2.3	<i>Use Case Diagram</i>	38
IV.2.4	<i>Class Diagram</i>	40
IV.2.5	<i>Sequence Diagram</i>	42
IV.2.5.1	<i>Sequence Diagram Login</i>	43
IV.2.5.2	<i>Sequence Diagram Create Data PEO</i>	43
IV.2.5.3	<i>Sequence Diagram Create Data Kurikulum</i>	44
IV.2.5.4	<i>Sequence Diagram Import Data PLO</i>	45
IV.2.5.5	<i>Sequence Diagram Create Data Mapping PEO PLO</i>	46
IV.2.5.6	<i>Sequence Diagram Import Data MK</i>	47
IV.2.5.7	<i>Sequence Diagram Import Data CLO</i>	48
IV.2.5.8	<i>Sequence Diagram Import Data Assessment Question</i>	49
IV.2.5.9	<i>Sequence Diagram Import Data Angkatan</i>	50
IV.2.5.10	<i>Sequence Diagram Import Data Mahasiswa</i>	51
IV.2.5.11	<i>Sequence Diagram Import Data Nilai</i>	52
IV.2.5.12	<i>Sequence Diagram Kalkulasi Nilai CLO</i>	53
IV.2.5.13	<i>Sequence Diagram Kalkulasi Nilai PLO MK</i>	54

IV.2.5.14	<i>Sequence</i> Diagram Kalkulasi Nilai PLO.....	56
IV.2.5.15	<i>Sequence</i> Diagram <i>Generate</i> SKCP.....	57
IV.2.5.16	<i>Sequence</i> Diagram Grafik Kelulusan.....	58
IV.2.5.17	<i>Sequence</i> Diagram Laporan Mahasiswa	59
IV.2.5.18	<i>Sequence</i> Diagram Melihat Data	60
IV.2.6	<i>Component</i> Diagram	60
IV.2.7	<i>Deployment</i> Diagram	62
IV.3	Pengembangan Sistem	63
IV.3.1	Pengembangan <i>Create</i> Data.....	64
IV.3.2	Pengembangan <i>Import</i> Data.....	64
IV.3.3	Pengembangan Kalkulasi Nilai.....	65
IV.3.4	Pengembangan <i>Generate</i> SKCP	71
IV.3.5	Pengembangan <i>Get</i> Data.....	73
BAB V	VALIDASI, ANALISIS HASIL, DAN IMPLIKASI.....	74
V.1	Pengujian Sistem.....	74
V.1.1	Verifikasi	74
V.1.2	Validasi.....	79
V.2	Dampak Hasil Tugas Akhir.....	80
BAB VI	KESIMPULAN DAN SARAN	81
VI.1	Kesimpulan	81
VI.2	Saran	81
DAFTAR PUSTAKA.....		82
LAMPIRAN.....		84