

DAFTAR ISI

ABSTRAK	i
<i>ABSTRACT</i>	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN ORISINALITAS	iv
Kata Pengantar	v
Daftar Isi.....	vi
Daftar Gambar.....	x
Daftar Tabel	xiii
Daftar Istilah.....	xvii
Bab I PENDAHULUAN.....	1
I.1 Latar Belakang.....	1
I.2 Perumusan Masalah.....	5
I.3 Tujuan Penelitian.....	6
I.4 Batasan Penelitian	6
I.5 Manfaat Penelitian.....	6
I.6 Sistematika Penulisan.....	6
Bab II TINJAUAN PUSTAKA	9
II.1 Sekolah Menengah Atas (SMA).....	9
II.1.1 Kurikulum 2013 pada Sekolah Menengah Atas.....	9
II.2 Metode Agile	13
II.3 Metode <i>Iterative Incremental</i>	15
II.3.1 Tahapan <i>Iterative Incremental</i>	15

II.3.2	Kelebihan <i>Iterative Incremental</i>	16
II.4	Arsitektur <i>Model View Controller</i>	17
II.4.1	Konsep <i>Model View Controller</i>	18
II.4.2	Kelebihan dan Kekurangan Arsitektur <i>Model View Controller</i>	19
II.5	Pengujian	20
II.5.1	<i>White Box Testing</i>	20
II.5.2	<i>Load Testing</i>	21
II.6	<i>State Of The Art</i>	22
Bab III	Metodologi Penelitian.....	27
III.1	Model Konseptual	27
III.2	Sistematika Penelitian	28
III.3	Pengumpulan Data.....	29
III.4	Proses Pengembangan Produk.....	30
III.5	Metode Evaluasi	30
Bab IV	Analisis dan Perancangan	31
IV.1	Analisis Proses Bisnis.....	31
IV.2	Use Case Diagram	32
IV.3	Activity Diagram.....	68
IV.3.1	Activity Authentication.....	68
IV.3.2	Activity Mengelola Profil	69
IV.3.3	Activity Mengerjakan Course	71
IV.3.4	Activity Manage Category	72
IV.3.5	Activity Manage Course	73
IV.3.6	Activity Manage User	75
IV.3.7	Activity Manage Quiz	76
IV.3.8	Activity Review Lesson	77

IV.4	Sequence Diagram.....	78
IV.4.1	Sequence Login.....	78
IV.4.2	Sequence Register.....	78
IV.4.3	Sequence Profile.....	79
IV.4.4	Sequence Password Change.....	80
IV.4.5	Sequence Enroll	80
IV.4.6	Sequence Run Code	81
IV.4.7	Sequence Store Code.....	82
IV.4.8	Sequence Start Quiz	82
IV.4.9	Sequence Question Answer.....	83
IV.4.10	Sequence Submit Quiz	83
IV.4.11	Sequence Get Certificate	84
IV.4.12	Sequence Manage Role	84
IV.4.13	Sequence Input Category.....	85
IV.4.14	Sequence Manage Course.....	86
IV.4.15	Sequence Add Objective	87
IV.4.16	Sequence Delete Objective.....	87
IV.4.17	Sequence Add Contributor	88
IV.4.18	Sequence Delete Contributor.....	95
IV.4.19	Sequence Add Section.....	89
IV.4.20	Sequence Delete Section	90
IV.4.21	Sequence Add Lesson.....	91
IV.4.22	Sequence Delete Lesson	92
IV.4.23	Sequence Create Quiz.....	93
IV.4.24	Sequence Add Question	94
IV.4.25	Sequence Delete Question.....	94

IV.4.26	Sequence Review Lesson	95
IV.5	Entity Relationship Diagram	97
Bab V	Implementasi dan Pengujian.....	99
V.1	<i>Iterative Incremental</i> Fase Pertama.....	99
V.1.1	Tahap Planning dan Requirement	99
V.1.2	Tahap Analysis dan Design.....	100
V.1.3	Tahap Implementation	101
V.1.4	Tahap <i>Testing</i>	112
V.1.5	Tahap Evaluation	127
V.2	<i>Iterative Incremental</i> Fase Kedua	127
V.2.1	Tahap <i>Planning</i> dan <i>Requirement</i>	128
V.2.2	Tahap <i>Analysis</i> dan <i>Design</i>	129
V.2.3	Tahap Implementation	129
V.2.4	Tahap <i>Testing</i>	134
V.2.5	Tahap Evaluation	142
Bab VI	Kesimpulan dan Saran	143
VI.1	Kesimpulan.....	143
VI.2	Saran.....	143
	Daftar Pustaka	144
	LAMPIRAN.....	146
1.	Lampiran hasil Unit Testing.....	146
2.	Lampiran hasil User Acceptance Test.....	159
2.1	Bukti User Acceptance Test	159
2.2	Hasil User Acceptance Test.....	162