

## DAFTAR ISI

ABSTRAK .....	ii
<i>ABSTRACT</i> .....	iii
LEMBAR PENGESAHAN .....	iv
LEMBAR PERNYATAAN ORISINALITAS .....	v
Kata Pengantar .....	i
Daftar Isi .....	ii
Daftar Gambar .....	iv
Daftar Tabel .....	viii
Daftar Lampiran .....	x
Bab I PENDAHULUAN .....	1
I.1 Latar Belakang .....	1
I.2 Perumusan Masalah .....	4
I.3 Tujuan Penelitian .....	4
I.4 Batasan Penelitian .....	4
I.5 Manfaat Penelitian .....	4
I.6 Sistematika Penulisan .....	5
Bab II TINJAUAN PUSTAKA .....	7
II.1 <i>Software Engineering</i> .....	7
II.2 <i>Software Development Life Cycle (SDLC)</i> .....	8
II.3 <i>Software Maintenance</i> .....	13
II.4 <i>Software Testing</i> .....	14
II.5 <i>Web Application</i> .....	16
II.6 <i>Dashboard</i> .....	18
II.7 <i>State of the Art</i> .....	20

Bab III	Metodologi Penelitian.....	24
III.1	Model Konseptual .....	24
III.2	Sistematika Penyelesaian Masalah .....	25
III.3	Alasan Pemilihan Metode.....	26
Bab IV	Analisis dan Perancangan .....	27
IV.1	<i>Planning</i> .....	27
IV.2	<i>Requirement</i> .....	30
IV.3	<i>Analysis &amp; Design</i> .....	32
IV.3.1	<i>Use Case Diagram</i> .....	36
IV.3.2	<i>Use Case Scenario</i> .....	39
IV.3.3	Activity Diagram.....	54
IV.3.4	Sequence Diagram .....	68
IV.3.5	<i>Class Diagram</i> .....	79
IV.3.6	Entity Relationship Diagram.....	79
Bab V	Implementasi dan Pengujian .....	83
V.1	<i>Implementation</i> .....	83
V.2	<i>Testing</i> .....	94
V.3	<i>Evaluation</i> .....	114
Bab VI	Kesimpulan dan Saran .....	115
VI.1	Kesimpulan.....	115
VI.2	Saran.....	115
	Daftar Pustaka .....	116
	Lampiran .....	120