

DAFTAR ISI

Abstrak	i
Abstract	ii
Lembar Pengesahan	iii
Lembar Pernyataan Orisinalitas	iv
Kata Pengantar	v
Daftar Isi.....	vi
Daftar Gambar.....	x
Daftar Tabel	xii
Daftar Istilah.....	xiv
Bab I Pendahuluan	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	2
I.3 Tujuan Penelitian.....	3
I.4 Batasan Penelitian	3
I.5 Manfaat Penelitian.....	3
I.6 Sistematika Penulisan.....	4
Bab II Tinjauan Pustaka	5
II.1 Dashboard.....	5
II.2 Data Visualization	14
II.3 Balance Scorecard	15
II.4 Key Performance Indicator.....	18
II.5 Perancangan Aplikasi.....	19
II.6 Metode Pengembangan Sistem	21
II.6.1 Metode Pengembangan Prototipe.....	21

II.6.2	Metode pengembangan Scrum.....	22
II.7	<i>Framework</i> Laravel	24
II.8	MySQL	27
II.9	Black-Box Testing.....	28
II.10	Model View Controller (MVC)	30
II.11	Penelitian Terdahulu	31
II.12	Alasan Pemilihan Metode	32
Bab III	Metodologi Penelitian.....	33
III.1	Model Konseptual	33
III.2	Sistematika Penyelesaian Masalah	34
III.2.1	Tahap Identifikasi.....	35
III.2.2	Tahap Pengembangan	35
III.2.3	Tahap Evaluasi	36
Bab IV	ANALISIS DAN PERANCANGAN	37
IV.1	Analisis Perancangan Dashboard	37
IV.1.1	Analisis Balance Scorecard.....	37
IV.1.2	Analisis Key Performance Indicator	38
IV.1.3	Analisis Aktor	39
IV.1.4	Analisis Kebutuhan Fitur	39
IV.1.5	Use Case Diagram.....	40
IV.1.6	Use Case Scenario.....	41
IV.1.7	Activity Diagram.....	43
IV.2	Entity Relationship Diagram	47
IV.3	Class Diagram	47
IV.4	Sequence Diagram.....	48
IV.5	Deployment Diagram	51

Bab V	IMPLEMENTASI DAN PENGUJIAN.....	52
V.1	Implementasi Scrum.....	52
V.2	Sprint 1	54
V.2.1	Sprint Planning.....	54
V.2.2	Daily Scrum	54
V.2.3	Sprint Review.....	55
V.2.4	Sprint Retrospective	55
V.3	Sprint 2	55
V.3.1	Sprint Planning.....	55
V.3.2	Daily Scrum	56
V.3.3	Sprint Review.....	56
V.3.4	Sprint Retrospective	56
V.4	Sprint 3	56
V.4.1	Sprint Planning.....	57
V.4.2	Daily Scrum	57
V.4.3	Sprint Review.....	57
V.4.4	Sprint Retrospective	58
V.5	Sprint 4	58
V.5.1	Sprint Planning.....	58
V.5.2	Daily Scrum	58
V.5.3	Sprint Review.....	59
V.5.4	Sprint Retrospective	59
V.6	Sprint 5	59
V.6.1	Sprint Planning.....	59
V.6.2	Daily Scrum	60
V.6.3	Sprint Review.....	60

V.6.4	Sprint Retrospective	60
V.7	Sprint 6	61
V.7.1	Sprint Planning.....	61
V.7.2	Daily Scrum	61
V.7.3	Sprint Review	61
V.7.4	Sprint Retrospective	62
V.8	Sprint 7	62
V.8.1	Sprint Planning.....	62
V.8.2	Daily Scrum	62
V.8.3	Sprint Review	63
V.8.4	Sprint Retrospective	63
V.9	Sprint 8	63
V.9.1	Sprint Planning.....	63
V.9.2	Daily Scrum	64
V.9.3	Sprint Review	64
V.9.4	Sprint Retrospective	64
V.10	Proses dan Hasil Pengujian Perangkat Lunak.....	65
V.10.1	Black-Box Testing	65
BAB VI KESIMPULAN DAN SARAN		67
VI.1	Kesimpulan.....	67
VI.2	Saran	68
Daftar Pustaka		69
Lampiran		73