DAFTAR ISI

LEMBAR PENGESAHAN ii

LEMBAR PERNYATAAN iii

ABSTRAK iv

ABSTRACT v

DAFTAR ISI vi

DAFTAR GAMBAR xi

DAFTAR TABEL xiv

DAFTAR LAMPIRAN xvi

DAFTAR ISTILAH DAN SINGKATAN xvii

BAB I PENDAHULUAN 1

I.1 Latar Belakang 1

I.2 Perumusan Masalah 2

I.3 Tujuan Penelitian 2

I.4 Manfaat Penelitian 2

I.5 Batasan Penelitian 3

BAB II TINJAUAN PUSTAKA 4

II.1 Kantin Telkom University 4

II.2 Aplikasi Point of Sales 4

II.3 Website Back Office 5

II.4 UML (Unified Modelling Language) 5

II.4.1 Use Case Diagram 6

II.4.2 Activity Diagram 6

II.4.3 Class Diagram 7

II.4.4 Sequence Diagram 8

II.4.5 Deployment Diagram 9
II.4.6 Entity Relationship Diagram 10
II.5 Metode Scrum 11
II.6 Jira 12
II.7 Figma 12
II.8 PHP 13
II.9 Laravel 13
II.10 Postman 14
II.11 Penelitian Terdahulu 15
BAB III METODOLOGI PENELITIAN 17
III.1 Model Konseptual 17
III.2 Sistematika Penyelesaian Masalah 18
III.3 Alasan Pemilihan Metode 20
III.4 Pengumpulan Data 20
III.5 Pengolahan Data 21
III.6 Metode Evaluasi 22
III.7 Rencana Jadwal Kegiatan 23
BAB IV ANALISIS DAN PERANCANGAN 24
IV.1 Analisis 24
IV.1.1 Analisis Kuesioner Kebutuhan Pengguna 24
IV.1.2 Proses Bisnis 27
IV.1.3 Analisis Kebutuhan Sistem 28
IV.2 Perancangan 34
IV.2.1 Use Case Diagram 35
IV.2.2 Use Case Scenario 35
IV.2.3 Activity Diagram 52

IV.2.4 Class Diagram 66
IV.2.5 Sequence Diagram 67
IV.2.6 Entitas Relasional Diagram 79
IV.2.7 Relational Table 80
IV.2.8 Deployment Diagram 81
IV.2.9 Low Fidelity 82
BAB V IMPLEMENTASI DAN PENGUJIAN 90
V.1 Implementasi 90
V.1.1 Implementasi Scrum 90
a. Initial Planning: Product Backlog 90
b. Sprint Planning: Sprint Backlog 91
c. Sprint 94
d. Sprint Review 96
e. Sprint Retrospective 99
f. Daily Scrum 102
V.1.2 Implementasi Perancangan Aplikasi 103
A. Implementasi Desain 103
B. Implementasi Aplikasi 109
V.2 Pengujian 126
V.2.1 *Black Box Testing* 126
V.2.2 Black Box Result 127
1. Black Box Testing Result: Login 127
2. Black Box Testing Result: Dashboard 128
3. Black Box Testing Result: Menu 131
4. Black Box Testing Result: Laporan Penjualan 133
5. Black Box Testing Result: Profil 135

6. Black Box Testing Result: Akun Tenant 136
7. Black Box Testing Result: Logout 138
V.2.3 User Acceptance Testing 138
V.2.4 User Acceptance Testing Result 139
1. User Acceptance Testing Result : Login 139
2. User Acceptance Testing Result : Dashboard Tenant 140
3. User Acceptance Testing Result : Dashboard Admin 142
4. User Acceptance Testing Result : Kategori dan Menu 144
5. User Acceptance Testing Result : Laporan Penjualan 147
6. User Acceptance Testing Result : Laporan Penjualan Seluruh Tenant 148
7. User Acceptance Testing Result : Profil 149
8. User Acceptance Testing Result : Mengelola Tenant 150
9. User Acceptance Testing Result : Mengontrol Tenant 152
10. User Acceptance Testing Result : Logout 153
BAB VI KESIMPULAN DAN SARAN 155
VI.1 Kesimpulan 155
VI.2 Saran 155
DAFTAR PUSTAKA 157
LAMPIRAN 159
1. Lampiran Data 159
1.1 Data Kuesioner Kebutuhan Pengguna 159
1.2 Data User Acceptance Testing : Tenant 177
1.3 Data Black Box Testing : Admin 180
2. Lampiran Dokumentasi 182
2.1 Dokumentasi Kebutuhan Pengguna 182

2.2 Dokumentasi Kebutuhan Pengguna 183