

DAFTAR ISI

HALAMAN JUDUL	i
HALAMAN PENGESAHAN PEMBIMBING	ii
HALAMAN PENGESAHAN PENGUJI	iii
SURAT PERNYATAAN BEBAS PLAGIASI	iv
SURAT PERNYATAAN KARYA ASLI TUGAS AKHIR	v
HALAMAN PERSEMBAHAN	vi
ABSTRAK	vii
KATA PENGANTAR	viii
DAFTAR ISI	ix
DAFTAR GAMBAR	xi
DAFTAR TABEL	xvi
DAFTAR PERSAMAAN	xvii
DAFTAR MODUL PROGRAM	xviii
BAB I PENDAHULUAN	1
1.1 Latar Belakang.....	1
1.2 Rumusan Masalah.....	2
1.3 Batasan Masalah	2
1.4 Tujuan Penelitian	2
1.5 Manfaat Penelitian	2
1.6 Metodologi Penelitian dan Pengembangan Sistem.....	3
1.6.1 Metodologi Pengumpulan Data	3
1.6.2 Metodologi Pengembangan Sistem	3
1.7 Sistematika Penulisan	4
BAB II TINJAUAN PUSTAKA	6
2.1 Media Sosial	6
2.2 <i>Cloud Computing</i>	6
2.3 <i>Service Oriented Architecture (SOA)</i>	7
2.4 <i>Web Service</i>	9
2.5 REST API	10
2.6 JSON (<i>JavaScript Object Notation</i>)	11
2.7 Formula Haversine.....	11
2.8 Aplikasi <i>Mobile</i>	12
2.9 <i>Flutter Framework</i>	12
2.10 <i>USE Questionnaire</i>	13
2.11 Tinjauan Literatur	14
BAB III METODOLOGI PENELITIAN DAN PENGEMBANGAN SISTEM.....	17
3.1 Metodologi Penelitian	17
3.2 Metodologi Pengembangan Sistem	18
3.3 Pengumpulan Data (<i>Requirement Gathering</i>)	18
3.3.1 Studi Pustaka	18
3.3.2 Observasi	18

3.3.3	Wawancara	20
3.4	Analisis Kebutuhan Sistem (<i>Analysis</i>).....	20
3.4.1	Analisis <i>Service Oriented</i>	20
3.4.2	Analisis Kebutuhan Perangkat Lunak	22
3.5	Perancangan Arsitektur.....	23
3.5.1	Perancangan Arsitektur Sistem.....	23
3.5.2	Perancangan <i>Cloud Service</i>	23
3.6	Perancangan Basis Data.....	24
3.6.1	Struktur Tabel	24
3.6.2	Relasi Antar Tabel (RAT)	26
3.7	Perancangan REST API.....	27
3.8	Perancangan Proses	31
3.8.1	<i>Use Case Diagram</i>	31
3.8.2	<i>Class Diagram</i>	31
3.8.3	<i>Activity Diagram</i>	33
3.8.4	<i>Sequence Diagram</i>	47
3.9	Perancangan Antarmuka	60
3.9.1	Perancangan Struktur Menu	60
3.9.2	Perancangan <i>User Interface</i>	60
3.10	Perancangan Pengujian	71
3.10.1	Pengujian <i>Black Box</i>	71
3.10.2	Pengujian <i>White Box</i>	72
3.10.3	Pengujian <i>USE Questionnaire</i>	76
3.10.4	Analisis Pengujian.....	78
	BAB IV HASIL, PENGUJIAN DAN PEMBAHASAN.....	80
4.1	Pembahasan	80
4.2	Hasil Perancangan REST API	80
4.3	Hasil Perancangan Aplikasi	109
4.3.1	Kelas <i>API Service</i>	109
4.3.2	Kelas Pendukung	113
4.3.3	Hasil Perancangan Aplikasi	115
4.4	Hasil Pengujian	136
4.4.1	Hasil Pengujian <i>Black Box</i>	136
4.4.2	Hasil Pengujian <i>White Box</i>	138
4.4.3	Hasil Pengujian Kuesioner <i>USE</i>	142
	BAB V PENUTUP	147
5.1	Kesimpulan	147
5.2	Saran	147
	DAFTAR PUSTAKA.....	148
	LAMPIRAN	150

DAFTAR GAMBAR

Gambar 2.1 <i>Cloud Computing</i>	6
Gambar 2.2 Jenis Layanan <i>Cloud Computing</i>	7
Gambar 2.3 Struktur Hirarki SOA.....	8
Gambar 2.4 <i>Layering</i> SOA.....	8
Gambar 2.5 Pemetaan Pola <i>Web Service</i>	9
Gambar 2.6 Arsitektur REST <i>Web Service</i>	10
Gambar 2.7 Perbandingan Tipe Data JSON dan XML	11
Gambar 2.8 Struktur <i>Flutter Framework</i>	12
Gambar 3.1 Kerangka Kerja Penelitian.....	17
Gambar 3.2 Tahapan Metode GRAPPLE.....	18
Gambar 3.3 Arsitektur Sistem	23
Gambar 3.4 Perancangan <i>Cloud Service</i> REST API	23
Gambar 3.5 Relasi Antar Tabel	27
Gambar 3.6 <i>Use Case Diagram</i>	31
Gambar 3.7 <i>Class Diagram</i>	32
Gambar 3.8 <i>Activity Diagram</i> Registrasi.....	35
Gambar 3.9 <i>Activity Diagram</i> Login Pengguna.....	35
Gambar 3.10 <i>Activity Diagram</i> Lihat Profil Pengguna	35
Gambar 3.11 <i>Activity Diagram</i> Edit Profil Pengguna	36
Gambar 3.12 <i>Activity Diagram</i> Ubah Email	36
Gambar 3.13 <i>Activity Diagram</i> Ubah Password	37
Gambar 3.14 <i>Activity Diagram</i> Lihat Daftar Mengikuti	37
Gambar 3.15 <i>Activity Diagram</i> Lihat Daftar Pengikut.....	37
Gambar 3.16 <i>Activity Diagram</i> Kelola Mengikuti	38
Gambar 3.17 <i>Activity Diagram</i> Tampil Daftar Permohonan Adopsi	38
Gambar 3.18 <i>Activity Diagram</i> Tampil Detail Permohonan Adopsi.....	39
Gambar 3.19 <i>Activity Diagram</i> Kelola Permohonan Adopsi	39
Gambar 3.20 <i>Activity Diagram</i> Logout	40
Gambar 3.21 <i>Activity Diagram</i> Hapus Akun.....	40
Gambar 3.22 <i>Activity Diagram</i> Tambah Data Diskusi.....	40
Gambar 3.23 <i>Activity Diagram</i> Tampil Daftar Diskusi.....	41
Gambar 3.24 <i>Activity Diagram</i> Tampil Detail Diskusi	41
Gambar 3.25 <i>Activity Diagram</i> Balas Diskusi.....	41
Gambar 3.26 <i>Activity Diagram</i> Hapus Diskusi	42
Gambar 3.27 <i>Activity Diagram</i> Lihat Notifikasi	42
Gambar 3.28 <i>Activity Diagram</i> Pencarian.....	42
Gambar 3.29 <i>Activity Diagram</i> Tambah Data Kehilangan Hewan	43
Gambar 3.30 <i>Activity Diagram</i> Lihat Daftar Kehilangan Hewan	43
Gambar 3.31 <i>Activity Diagram</i> Lihat Detail Kehilangan Hewan.....	43
Gambar 3.32 <i>Activity Diagram</i> Kelola Data Kehilangan	44
Gambar 3.33 <i>Activity Diagram</i> Lihat Daftar Penemuan Hewan	44
Gambar 3.34 <i>Activity Diagram</i> Lihat Detail Penemuan Hewan	44
Gambar 3.35 <i>Activity Diagram</i> Tambah Data Penemuan	45
Gambar 3.36 <i>Activity Diagram</i> Kelola Data Penemuan.....	45
Gambar 3.37 <i>Activity Diagram</i> Tambah Data Adopsi	46
Gambar 3.38 <i>Activity Diagram</i> Lihat Daftar Adopsi Hewan	46
Gambar 3.39 <i>Activity Diagram</i> Lihat Detail Adopsi Hewan.....	46
Gambar 3.40 <i>Activity Diagram</i> Kelola Data Adopsi.....	47

Gambar 3.41 <i>Activity Diagram</i> Pengajuan Permohonan Adopsi	47
Gambar 3.42 <i>Sequence Diagram</i> Registrasi.....	48
Gambar 3.43 <i>Sequence Diagram</i> Login	48
Gambar 3.44 <i>Sequence Diagram</i> Lihat Profil Pengguna	48
Gambar 3.45 <i>Sequence Diagram</i> Lihat Daftar Pengguna Diikuti	49
Gambar 3.46 <i>Sequence Diagram</i> Lihat Daftar Pengikut.....	49
Gambar 3.47 <i>Sequence Diagram</i> Kelola Mengikuti	49
Gambar 3.48 <i>Sequence Diagram</i> Edit Profil Pengguna	50
Gambar 3.49 <i>Sequence Diagram</i> Ubah Email.....	50
Gambar 3.50 <i>Sequence Diagram</i> Ubah Password	50
Gambar 3.51 <i>Sequence Diagram</i> Logout	51
Gambar 3.52 <i>Sequence Diagram</i> Hapus Akun.....	51
Gambar 3.53 <i>Sequence Diagram</i> Tampil Daftar Permohonan Adopsi	51
Gambar 3.54 <i>Sequence Diagram</i> Tampil Detail Permohonan Adopsi.....	52
Gambar 3.55 <i>Sequence Diagram</i> Kelola Permohonan Adopsi	52
Gambar 3.56 <i>Sequence Diagram</i> Tampil Daftar Diskusi.....	53
Gambar 3.57 <i>Sequence Diagram</i> Tambah Data Diskusi.....	53
Gambar 3.58 <i>Sequence Diagram</i> Tampil Detail Data Diskusi.....	53
Gambar 3.59 <i>Sequence Diagram</i> Balas Diskusi.....	53
Gambar 3.60 <i>Sequence Diagram</i> Hapus Diskusi	54
Gambar 3.61 <i>Sequence Diagram</i> Lihat Notifikasi	54
Gambar 3.62 <i>Sequence Diagram</i> Pencarian	54
Gambar 3.63 <i>Sequence Diagram</i> Tambah Data Kehilangan Hewan	55
Gambar 3.64 <i>Sequence Diagram</i> Lihat Daftar Kehilangan Hewan	55
Gambar 3.65 <i>Sequence Diagram</i> Lihat Detail Kehilangan Hewan.....	55
Gambar 3.66 <i>Sequence Diagram</i> Kelola Data Kehilangan Hewan.....	56
Gambar 3.67 <i>Sequence Diagram</i> Lihat Daftar Penemuan Hewan	56
Gambar 3.68 <i>Sequence Diagram</i> Lihat Detail Penemuan Hewan.....	57
Gambar 3.69 <i>Sequence Diagram</i> Kelola Data Penemuan Hewan.....	57
Gambar 3.70 <i>Sequence Diagram</i> Tambah Data Penemuan Hewan	58
Gambar 3.71 <i>Sequence Diagram</i> Lihat Daftar Adopsi Hewan	58
Gambar 3.72 <i>Sequence Diagram</i> Lihat Detail Adopsi Hewan.....	58
Gambar 3.73 <i>Sequence Diagram</i> Tambah Data Adopsi Hewan	58
Gambar 3.74 <i>Sequence Diagram</i> Kelola Data Adopsi Hewan.....	59
Gambar 3.75 <i>Sequence Diagram</i> Pengajuan Permohonan Adopsi	59
Gambar 3.76 Struktur Menu.....	60
Gambar 3.77 Rancangan <i>User Interface</i> Halaman <i>Splash Screen</i>	60
Gambar 3.78 Rancangan <i>User Interface</i> Halaman Registrasi.....	61
Gambar 3.79 Rancangan <i>User Interface</i> Halaman <i>Login</i>	61
Gambar 3.80 Rancangan <i>User Interface</i> Halaman Daftar Diskusi	61
Gambar 3.81 Rancangan <i>User Interface</i> Halaman Detail Diskusi.....	62
Gambar 3.82 Rancangan <i>User Interface</i> Halaman Tambah Diskusi.....	62
Gambar 3.83 Rancangan <i>User Interface</i> Halaman Notifikasi.....	62
Gambar 3.84 Rancangan <i>User Interface</i> Halaman Pencarian Diskusi.....	63
Gambar 3.85 Rancangan <i>User Interface</i> Halaman Pencarian Pengguna	63
Gambar 3.86 Rancangan <i>User Interface</i> Halaman Informasi Kehilangan.....	63
Gambar 3.87 Rancangan <i>User Interface</i> Halaman Informasi Penemuan.....	64
Gambar 3.88 Rancangan <i>User Interface</i> Halaman Detail Informasi Kehilangan	64
Gambar 3.89 Rancangan <i>User Interface</i> Halaman Tambah Data Kehilangan.....	64

Gambar 3.90 Rancangan <i>User Interface</i> Halaman Edit Data Kehilangan	65
Gambar 3.91 Rancangan <i>User Interface</i> Halaman Detail Informasi Penemuan.....	65
Gambar 3.92 Rancangan <i>User Interface</i> Halaman Tambah Data Penemuan.....	65
Gambar 3.93 Rancangan <i>User Interface</i> Halaman Formulir Data Penemuan	66
Gambar 3.94 Rancangan <i>User Interface</i> Halaman Daftar Informasi Adopsi.....	66
Gambar 3.95 Rancangan <i>User Interface</i> Halaman Detail Informasi Adopsi	66
Gambar 3.96 Rancangan <i>User Interface</i> Halaman Tambah Data Adopsi.....	67
Gambar 3.97 Rancangan <i>User Interface</i> Halaman Edit Data Adopsi	67
Gambar 3.98 Rancangan <i>User Interface</i> Halaman Formuir Permohonan Adopsi	67
Gambar 3.99 Rancangan <i>User Interface</i> Halaman Profil Pengguna	68
Gambar 3.100 Rancangan <i>User Interface</i> Halaman Daftar Mengikuti	68
Gambar 3.101 Rancangan <i>User Interface</i> Halaman Daftar Pengikut	68
Gambar 3.102 Rancangan <i>User Interface</i> Halaman Edit Profil	69
Gambar 3.103 Rancangan <i>User Interface</i> Halaman Pengaturan Pengguna	69
Gambar 3.104 Rancangan <i>User Interface</i> Halaman Ubah Email.....	69
Gambar 3.105 Rancangan <i>User Interface</i> Halaman Ubah Password	70
Gambar 3.106 Rancangan <i>User Interface</i> Halaman Daftar Permohonan Adopsi.....	70
Gambar 3.107 Rancangan <i>User Interface</i> Halaman Daftar Pemohon Adopsi	70
Gambar 3.108 Rancangan <i>User Interface</i> Halaman Detail Permohonan Adopsi	71
Gambar 4.1 Hasil <i>Request API Index Animal</i>	82
Gambar 4.2 Hasil <i>Request API Index Fur</i>	82
Gambar 4.3 Hasil <i>Request API Register</i>	83
Gambar 4.4 Hasil <i>Request API Login</i>	83
Gambar 4.5 Hasil <i>Request API Logout</i>	83
Gambar 4.6 Hasil <i>Request API Search User</i>	84
Gambar 4.7 Hasil <i>Request API Show User</i>	84
Gambar 4.8 Hasil <i>Request API Update Profile</i>	85
Gambar 4.9 Hasil <i>Request API Update Picture</i>	85
Gambar 4.10 Hasil <i>Request API Update Email</i>	86
Gambar 4.11 Hasil <i>Request API Update Password</i>	86
Gambar 4.12 Hasil <i>Request API Delete Account</i>	86
Gambar 4.13 Hasil <i>Request API Following</i>	87
Gambar 4.14 Hasil <i>Request API Unfollow</i>	87
Gambar 4.15 Hasil <i>Request API Index Following</i>	88
Gambar 4.16 Hasil <i>Request API Index Follower</i>	88
Gambar 4.17 Hasil <i>Request API Follower Notification</i>	89
Gambar 4.18 Hasil <i>Request API Seen Follower Notification</i>	89
Gambar 4.19 Hasil <i>Request API Count Unseen Follower Notification</i>	89
Gambar 4.20 Hasil <i>Request API Count Following</i>	90
Gambar 4.21 Hasil <i>Request API Count Follower</i>	90
Gambar 4.22 Hasil <i>Request API Following Check</i>	90
Gambar 4.23 Hasil <i>Request API Post Discussion</i>	91
Gambar 4.24 Hasil <i>Request API Index Discussion</i>	91
Gambar 4.25 Hasil <i>Request API Discussion By Following</i>	92
Gambar 4.26 Hasil <i>Request API Discussion By User</i>	92
Gambar 4.27 Hasil <i>Request API Show Discussion</i>	93
Gambar 4.28 Hasil <i>Request API Search Discussion</i>	93
Gambar 4.29 Hasil <i>Request API Index Reply Discussion</i>	94
Gambar 4.30 Hasil <i>Request API Reply Discussion</i>	94

Gambar 4.31 Hasil <i>Request API Unseen Discussion Notification</i>	95
Gambar 4.32 Hasil <i>Request API Discussion Notification</i>	95
Gambar 4.33 Hasil <i>Request API Seen Discussion Notification</i>	95
Gambar 4.34 Hasil <i>Request API Index Found</i>	96
Gambar 4.35 Hasil <i>Request API Found By User</i>	97
Gambar 4.36 Hasil <i>Request API Found by Id</i>	97
Gambar 4.37 Hasil <i>Request API Post Found</i>	98
Gambar 4.38 Hasil <i>Request API Update Found</i>	98
Gambar 4.39 Hasil <i>Request API Post Lost</i>	99
Gambar 4.40 Hasil <i>Request API Index Lost</i>	100
Gambar 4.41 Hasil <i>Request API Lost By User</i>	100
Gambar 4.42 Hasil <i>Request API Index Adopt</i>	101
Gambar 4.43 Hasil <i>Request API Index Adopt</i>	102
Gambar 4.44 Hasil <i>Request API Post Adopt</i>	102
Gambar 4.45 Hasil <i>Request API Adopt With Application</i>	103
Gambar 4.46 Hasil <i>Request API Detail By Id</i>	103
Gambar 4.47 Hasil <i>Request API Detail By Id</i>	104
Gambar 4.48 Hasil <i>Request API Change Post Status</i>	104
Gambar 4.49 Hasil <i>Request API Delete By Id</i>	105
Gambar 4.50 Hasil <i>Request API Post Application</i>	105
Gambar 4.51 Hasil <i>Request API Index Application</i>	106
Gambar 4.52 Hasil <i>Request API Index Applicant</i>	106
Gambar 4.53 Hasil <i>Request API Detail Application</i>	107
Gambar 4.54 Hasil <i>Request API Update Application</i>	107
Gambar 4.55 Hasil <i>Request API Cancel Application</i>	108
Gambar 4.56 Hasil <i>Request API Accept Application</i>	108
Gambar 4.57 Hasil <i>Request API Reject Application</i>	109
Gambar 4.58 Tampilan Halaman <i>Splash Screen</i>	115
Gambar 4.59 Tampilan Halaman Registrasi.....	116
Gambar 4.60 Tampilan Halaman <i>Login</i>	116
Gambar 4.61 Tampilan Halaman Diskusi Pengguna Diikuti	117
Gambar 4.62 Tampilan Halaman Seluruh Diskusi.....	117
Gambar 4.63 Tampilan Halaman Tambah Diskusi	118
Gambar 4.64 Tampilan Halaman Detail Diskusi.....	119
Gambar 4.65 Tampilan Halaman Notifikasi Diskusi	120
Gambar 4.66 Tampilan Halaman Notifikasi Pengikut	120
Gambar 4.67 Tampilan Halaman Pencarian Diskusi.....	121
Gambar 4.68 Tampilan Halaman Pencarian Pengguna	121
Gambar 4.69 Tampilan Halaman Informasi Kehilangan.....	122
Gambar 4.70 Tampilan Halaman Informasi Penemuan	122
Gambar 4.71 Tampilan Halaman Informasi Adopsi	122
Gambar 4.72 Tampilan Halaman Detail Informasi Kehilangan.....	123
Gambar 4.73 Tampilan Halaman Detail Informasi Penemuan.....	123
Gambar 4.74 Tampilan Halaman Detail Informasi Kehilangan.....	124
Gambar 4.75 Tampilan Halaman Tambah Informasi Kehilangan	125
Gambar 4.76 Tampilan Halaman Tambah Informasi Penemuan	125
Gambar 4.77 Tampilan Halaman Tambah Informasi Adopsi	125
Gambar 4.78 Tampilan Halaman Edit Informasi Kehilangan.....	126
Gambar 4.79 Tampilan Halaman Edit Informasi Penemuan.....	126

Gambar 4.80 Tampilan Halaman Edit Informasi Kehilangan.....	127
Gambar 4.81 Tampilan Halaman Permohonan Adopsi.....	128
Gambar 4.82 Tampilan Halaman Edit Permohonan Adopsi	128
Gambar 4.83 Tampilan Halaman Profil Dikuti	129
Gambar 4.84 Tampilan Halaman Profil Tidak Diikuti.....	130
Gambar 4.85 Tampilan Halaman Profil Pengguna.....	130
Gambar 4.86 Tampilan Halaman Edit Profil Pengguna	131
Gambar 4.87 Tampilan Halaman Pengaturan Pengguna.....	131
Gambar 4.88 Tampilan Halaman Edit <i>Email</i>	132
Gambar 4.89 Tampilan Halaman Edit <i>Email</i>	132
Gambar 4.90 Tampilan Halaman Permohonan Adopsi Diajukan	133
Gambar 4.91 Tampilan Halaman Permohonan Adopsi Diterima.....	133
Gambar 4.92 Tampilan Halaman Pemohon Adopsi.....	134
Gambar 4.93 Tampilan Halaman Detail Permohonan Adopsi Diajukan	135
Gambar 4.94 Tampilan Halaman Detail Edit Permohonan Adopsi Diterima	135
Gambar 4.95 Tampilan Halaman Pengguna Diikuti	135
Gambar 4.96 Tampilan Halaman Pengguna Pengikut.....	136
Gambar 4.97 Rata-Rata Nilai Setiap Indikator USE	144
Gambar 4.98 Rata-Rata Nilai Setiap Variabel USE.....	144

DAFTAR TABEL

Tabel 2.1 Perbedaan SOAP dan REST.....	9
Tabel 2.2 Lanjutan Perbedaan SOAP dan REST	10
Tabel 2.3 Kelebihan Flutter	13
Tabel 2.4 Dimensi dan Indikator dalam USE <i>Questionnaire</i>	13
Tabel 2.5 Lanjutan Dimensi dan Indikator dalam USE <i>Questionnaire</i>	14
Tabel 2.6 <i>State of The Art</i>	15
Tabel 2.7 Lanjutan <i>State of The Art</i>	16
Tabel 3.1 Daftar Akun Sosial Media	18
Tabel 3.2 Daftar Kelengkapan Data Pengiklanan Informasi di Instagram.....	19
Tabel 3.3 Daftar Syarat Adopsi	19
Tabel 3.4 Daftar Fungsi dan Proses Kerja.....	21
Tabel 3.5 Lanjutan Daftar Fungsi dan Proses Kerja.....	22
Tabel 3.6 Struktur Tabel <i>Types</i>	24
Tabel 3.7 Struktur Tabel <i>Animals</i>	24
Tabel 3.8 Struktur Tabel <i>Furs</i>	24
Tabel 3.9 Struktur Tabel <i>Users</i>	24
Tabel 3.10 Struktur Tabel <i>Follows</i>	25
Tabel 3.11 Struktur Tabel <i>Posts</i>	25
Tabel 3.12 Struktur Tabel <i>Replies</i>	25
Tabel 3.13 Struktur Tabel <i>Details</i>	25
Tabel 3.14 Lanjutan Struktur Tabel <i>Details</i>	26
Tabel 3.15 Struktur Tabel <i>Additions</i>	26
Tabel 3.16 Struktur Tabel <i>Applications</i>	26
Tabel 3.17 Daftar API <i>Service</i>	28
Tabel 3.18 Lanjutan Daftar API <i>Service</i>	29
Tabel 3.19 Lanjutan Daftar API <i>Service</i>	30
Tabel 3.20 Pengujian <i>Black Box</i>	71
Tabel 3.21 Lanjutan Pengujian <i>Black Box</i>	72
Tabel 3.22 Pengujian <i>White Box</i>	73
Tabel 3.23 Lanjutan Pengujian <i>White Box</i>	74
Tabel 3.24 Lanjutan Pengujian <i>White Box</i>	75
Tabel 3.25 Kuesioner USE	76
Tabel 3.26 Alternatif Jawaban Kuesioner Penelitian	77
Tabel 3.27 Distribusi Nilai r-tabel.....	77
Tabel 4.1 Hasil Pengujian <i>Black Box</i>	136
Tabel 4. 2 Lanjutan Hasil Pengujian <i>Black Box</i>	137
Tabel 4.3 Hasil Pengujian <i>White Box</i>	139
Tabel 4.4 Lanjutan Hasil Pengujian <i>White Box</i>	140
Tabel 4.5 Lanjutan Hasil Pengujian <i>White Box</i>	141
Tabel 4.6 Daftar Responden Penelitian	142
Tabel 4.7 Hasil Penilaian Responden	142
Tabel 4.8 Lanjutan Hasil Penilaian Responden.....	143
Tabel 4.9 Hasil Uji Validitas	145
Tabel 4.10 Lanjutan Hasil Uji Validitas.....	146
Tabel 4.11 Hasil Uji Reliabilitas	146

DAFTAR PERSAMAAN

Persamaan 2.1 Rumus Perubahan <i>Latitude</i>	11
Persamaan 2.2 Rumus Perubahan <i>Longitude</i>	11
Persamaan 2.3 Formula Haversine	11
Persamaan 2.4 Lanjutan Formula Haversine.....	11
Persamaan 2.5 Lanjutan Formula Haversine.....	11
Persamaan 3.1 Rumus Korelasi <i>Pearson Product Moment</i>	77
Persamaan 3.2 Rumus <i>Alpha</i>	78
Persamaan 3.3 Rumus Nilai Presentase.....	78
Persamaan 3.4 Rumus Nilai Rata-Rata.....	79

DAFTAR MODUL PROGRAM

Modul Program 4.1 <i>Routing API</i>	80
Modul Program 4.2 Lanjutan <i>Routing API</i>	81
Modul Program 4.3 Fungsi API <i>Index Animal</i>	81
Modul Program 4.4 Fungsi API <i>Index Fur</i>	82
Modul Program 4.5 Fungsi API <i>Register</i>	82
Modul Program 4.6 Fungsi API <i>Login</i>	83
Modul Program 4.7 Fungsi API <i>Logout</i>	83
Modul Program 4.8 Fungsi API <i>Search User</i>	84
Modul Program 4.9 Fungsi API <i>Show User</i>	84
Modul Program 4.10 Fungsi API <i>Update Profile</i>	84
Modul Program 4.11 Fungsi API <i>Update Picture</i>	85
Modul Program 4.12 Fungsi API <i>Update Email</i>	85
Modul Program 4.13 Fungsi API <i>Update Password</i>	86
Modul Program 4.14 Fungsi API <i>Delete Account</i>	86
Modul Program 4.15 Fungsi API <i>Following</i>	87
Modul Program 4.16 Fungsi API <i>Unfollow</i>	87
Modul Program 4.17 Fungsi API <i>Index Following</i>	87
Modul Program 4.18 Fungsi API <i>Index Follower</i>	88
Modul Program 4.19 Fungsi API <i>Follower Notification</i>	88
Modul Program 4.20 Fungsi API <i>Seen Follower Notification</i>	89
Modul Program 4.21 Fungsi API <i>Count Unseen Follower Notification</i>	89
Modul Program 4.22 Fungsi API <i>Count Following</i>	90
Modul Program 4.23 Fungsi API <i>Count Follower</i>	90
Modul Program 4.24 Fungsi API <i>Following Check</i>	90
Modul Program 4.25 Fungsi API <i>Post Discussion</i>	91
Modul Program 4.26 Fungsi API <i>Index Discussion</i>	91
Modul Program 4.27 Fungsi API <i>Discussion By Following</i>	92
Modul Program 4.28 Fungsi API <i>Discussion By User</i>	92
Modul Program 4.29 Fungsi API <i>Show Discussion</i>	93
Modul Program 4.30 Fungsi API <i>Search Discussion</i>	93
Modul Program 4.31 Fungsi API <i>Index Reply Discussion</i>	93
Modul Program 4.32 Fungsi API <i>Reply Discussion</i>	94
Modul Program 4.33 Fungsi API <i>Unseen Discussion Notification</i>	94
Modul Program 4.34 Fungsi API <i>Discussion Notification</i>	95
Modul Program 4.35 Fungsi API <i>Seen Discussion Notification</i>	95
Modul Program 4.36 Fungsi API <i>Index Found</i>	96
Modul Program 4.37 Fungsi API <i>Found By User</i>	96
Modul Program 4.38 Fungsi API <i>Found By Id</i>	97
Modul Program 4.39 Fungsi API <i>Post Found</i>	97
Modul Program 4.40 Lanjutan Fungsi API <i>Post Found</i>	98
Modul Program 4.41 Fungsi API <i>Update Found</i>	98
Modul Program 4.42 Fungsi API <i>Post Lost</i>	99
Modul Program 4.43 Fungsi API <i>Index Lost</i>	99
Modul Program 4.44 Lanjutan Fungsi API <i>Index Lost</i>	100
Modul Program 4.45 Fungsi API <i>Lost By User</i>	100
Modul Program 4.46 Fungsi API <i>Index Adopt</i>	101
Modul Program 4.47 Fungsi API <i>Adopt By User</i>	101
Modul Program 4.48 Fungsi API <i>Post Adopt</i>	102

Modul Program 4.49 Fungsi API <i>Adopt With Application</i>	103
Modul Program 4.50 Fungsi API <i>Detail By Id</i>	103
Modul Program 4.51 Fungsi API <i>Update By Id</i>	104
Modul Program 4.52 Fungsi API <i>Change Post Status</i>	104
Modul Program 4.53 Fungsi API <i>Delete By Id</i>	105
Modul Program 4.54 Fungsi API <i>Post Application</i>	105
Modul Program 4.55 Fungsi API <i>Index Application</i>	106
Modul Program 4.56 Fungsi API <i>Index Applicant</i>	106
Modul Program 4.57 Fungsi API <i>Detail Application</i>	107
Modul Program 4.58 Fungsi API <i>Update Application</i>	107
Modul Program 4.59 Fungsi API <i>Cancel Application</i>	108
Modul Program 4.60 Fungsi API <i>Accept Application</i>	108
Modul Program 4.61 Fungsi API <i>Reject Application</i>	108
Modul Program 4.62 Fungsi <i>Post Data</i>	109
Modul Program 4.63 Fungsi <i>Post With Token</i>	109
Modul Program 4.64 <i>Fungsi Post Data With Token</i>	109
Modul Program 4.65 Fungsi <i>Get With Token</i>	109
Modul Program 4.66 Fungsi <i>Put With Token</i>	110
Modul Program 4.67 Fungsi <i>Put Data With Token</i>	110
Modul Program 4.68 Fungsi <i>Get Permission</i>	110
Modul Program 4.69 Fungsi <i>Get Time</i>	110
Modul Program 4.70 Fungsi <i>Get Distance</i>	111
Modul Program 4.71 Fungsi <i>Get Complete</i>	111
Modul Program 4.72 Fungsi <i>Get Age</i>	111
Modul Program 4.73 Fungsi <i>Get Vaccine</i>	111
Modul Program 4.74 Fungsi <i>Get Sterilize</i>	111
Modul Program 4.75 Fungsi <i>Get Pet</i>	111
Modul Program 4.76 Fungsi <i>Get Baby</i>	111
Modul Program 4.77 Fungsi <i>Get Accept</i>	112
Modul Program 4.78 <i>Void Check Auth</i>	112
Modul Program 4.79 <i>Void Clear Auth</i>	112
Modul Program 4.80 <i>Void Delete Post</i>	112
Modul Program 4.81 <i>Void Complete Post</i>	113
Modul Program 4.82 <i>Void Accept App</i>	113
Modul Program 4.83 <i>Void Reject App</i>	113
Modul Program 4.84 <i>Void Cancel App</i>	113
Modul Program 4.85 <i>Void Index Discussion</i>	114
Modul Program 4.86 <i>Void Get Location</i>	114
Modul Program 4.87 <i>Void Index Found</i>	114
Modul Program 4.88 <i>Void Index Lost</i>	114
Modul Program 4.89 <i>Void Index Adopt</i>	114
Modul Program 4.90 <i>Void Index User</i>	115
Modul Program 4.91 <i>Void Start Launching</i>	115
Modul Program 4.92 <i>Void Register</i>	115
Modul Program 4.93 <i>Void Login</i>	116
Modul Program 4.94 <i>Void Get Unseen</i>	117
Modul Program 4.95 Fungsi <i>Get Image</i>	118
Modul Program 4.96 <i>Void Post Discussion</i>	118
Modul Program 4.97 <i>Void Get Discussion</i>	118

Modul Program 4.98 <i>Void Get Replies</i>	119
Modul Program 4.99 <i>Void Delete Rep</i>	119
Modul Program 4.100 <i>Void Post Reply</i>	119
Modul Program 4.101 <i>Void Getdisnot</i>	120
Modul Program 4.102 <i>Void Getusernot</i>	120
Modul Program 4.103 <i>Void Seen Reply</i>	120
Modul Program 4.104 <i>Void Seen Follow</i>	120
Modul Program 4.105 <i>Void Get Word</i>	121
Modul Program 4. 106 <i>Void Get Address</i>	121
Modul Program 4.107 <i>Fungsi Get Post</i>	123
Modul Program 4.108 <i>Void Get Animals</i>	124
Modul Program 4.109 <i>Void Get Furs</i>	124
Modul Program 4.110 <i>Void Post</i>	124
Modul Program 4.111 <i>Void Edit</i>	126
Modul Program 4.112 <i>Void Get App</i>	127
Modul Program 4.113 <i>Void Update App</i>	127
Modul Program 4.114 <i>Void Post App</i>	127
Modul Program 4.115 <i>Void Get Profile</i>	129
Modul Program 4.116 <i>Void Count Following</i>	129
Modul Program 4.117 <i>Void Count Follower</i>	129
Modul Program 4.118 <i>Void Check Following</i>	129
Modul Program 4. 119 <i>Void Follow</i>	129
Modul Program 4.120 <i>Void Unfollow</i>	129
Modul Program 4.121 <i>Void Get Profile</i>	130
Modul Program 4.122 <i>Void Update Picture</i>	130
Modul Program 4.123 <i>Void Update Profile</i>	131
Modul Program 4.124 <i>Void Logout</i>	131
Modul Program 4.125 <i>Void Delete Account</i>	131
Modul Program 4.126 <i>Void Change Email</i>	132
Modul Program 4.127 <i>Void Change Password</i>	132
Modul Program 4.128 <i>Void Get Sent Application</i>	133
Modul Program 4.129 <i>Void Get Index Post</i>	133
Modul Program 4.130 <i>Void Get Receive</i>	134
Modul Program 4.131 <i>Void Get Application</i>	134