

DAFTAR ISI

ABSTRAK	ii
<i>ABSTRACT</i>	iii
LEMBAR PENGESAHAN	iv
LEMBAR PERNYATAAN ORISINALITAS	v
Kata Pengantar	vi
Daftar Isi.....	vii
Daftar Gambar.....	xiv
Daftar Tabel	xvii
Daftar Istilah.....	xix
Daftar Lampiran	xx
BAB I Pendahuluan	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	3
I.3 Tujuan Penelitian.....	4
I.4 Batasan Penelitian	4
I.5 Manfaat Penelitian.....	5
BAB II Tinjauan Pustaka.....	7
II.1 SMPN 1 Magetan	7
II.2 Sistem Pengelolaan Pendidikan.....	8
II.3 <i>User Interface (UI)</i>	9
II.4 <i>User Experience (UX)</i>	10
II.5 Prinsip Desain (<i>Design Principle</i>).....	11
II.5.1 Gestalt Principle	11
II.5.2 Heuristic Evaluation.....	12
II.6 Metode Desain.....	14

II.6.1	Design Thinking.....	14
II.6.1.1	<i>Empathize</i> (Empati)	15
II.6.1.2	<i>Define</i> (Mendefinisikan).....	16
II.6.1.3	<i>Ideate</i> (Menghasilkan Ide).....	18
II.6.1.4	<i>Prototype</i> (Membuat Prototipe).....	20
II.6.1.5	<i>Test</i> (Pengujian)	21
II.6.2	User Centered Design	21
II.6.3	Activity Centered Design.....	23
II.6.4	Goal Centered Design	23
II.7	Metode Pengujian (Usability)	26
II.7.1	Usability Testing	26
II.7.2	Single Ease Question.....	27
II.7.3	System Usability Scale.....	28
II.7.4	Net Promoter Score	29
II.8	Perangkat Lunak yang digunakan	30
II.8.1	Figma	30
II.8.2	Maze.....	31
II.8.3	Visual Studio Code	32
II.9	Penelitian Terdahulu.....	33
II.10	Alasan Pemilihan Kerangka Kerja/Teori/Pendekatan	35
BAB III	Metodologi Penelitian.....	37
III.1	Model Konseptual	37
III.2	Sistematika Penyelesaian Masalah.....	38
III.2.1	Tahap Pendahuluan	39
III.2.2	Tahap Desain Thinking.....	40
III.2.2.1	<i>Empathize</i>	40

III.2.2.2	Define.....	40
III.2.2.3	Ideate.....	40
III.2.2.4	Prototype.....	41
III.2.2.5	Testing	41
III.2.3	Tahap Penutup.....	41
III.3	Pengumpulan Data	41
III.4	Pengolahan Data atau Pengembangan Produk / Artifak.....	42
III.5	Metode Evaluasi	43
BAB IV	ANALISIS DAN PERANCANGAN.....	44
IV.1	Empathize	44
IV.1.1	In Depth Interview	44
IV.1.1.1	Wawancara dengan Siswa.....	44
IV.1.1.2	Wawancara dengan Guru.....	49
IV.1.1.3	Wawancara dengan Wali Murid	55
IV.1.1.4	Wawancara dengan Staf Administrasi	60
IV.1.2	Empathy Map.....	65
IV.1.2.1	<i>User Empathy Map</i> Siswa.....	65
IV.1.2.2	<i>User Empathy Map</i> Guru.....	67
IV.1.2.3	<i>User Empathy Map</i> Wali Murid	69
IV.1.2.4	<i>User Empathy Map</i> Staf Administrasi	71
IV.2	<i>Define</i>	72
IV.2.1	<i>User Persona</i>	73
IV.2.1.1	<i>User Persona</i> Siswa	73
IV.2.1.2	<i>User Persona</i> Guru.....	74
IV.2.1.3	<i>User Persona</i> Wali Murid	75
IV.2.1.4	<i>User Persona</i> Staf Administrasi	76

IV.2.2	Customer Journey Map	76
IV.2.2.1	Customer Journey Map Siswa	77
IV.2.2.2	Customer Journey Map Guru.....	79
IV.2.2.3	Customer Journey Map Wali Murid	81
IV.2.2.4	Customer Journey Map Staf Administrasi.....	84
IV.2.3	<i>Problem Statement</i>	86
IV.2.3.1	<i>Problem Statement</i> Siswa	86
IV.2.3.2	<i>Problem Statement</i> Guru.....	89
IV.2.3.3	<i>Problem Statement</i> Wali Murid	92
IV.2.3.4	<i>Problem Statement</i> Staf Administrasi.....	95
IV.3	<i>Ideate</i>	97
IV.3.1	<i>How Might We</i>	98
IV.3.2	<i>Impact Effort Matrix</i>	101
IV.3.3	Information Architecture.....	104
IV.3.3.1	<i>Information Architecture</i> Siswa.....	104
IV.3.3.2	<i>Information Architecture</i> Guru	106
IV.3.3.3	<i>Information Architecture</i> Wali Murid.....	108
IV.3.3.4	<i>Information Architecture</i> Staf Administratif	110
IV.3.4	<i>User Task Flow</i>	112
IV.3.4.1	<i>User Task Flow</i> Siswa	112
IV.3.4.2	<i>User Task Flow</i> Guru.....	115
IV.3.4.3	<i>User Task Flow</i> Wali Murid	118
IV.3.4.4	<i>User Task Flow</i> Staf Administratif.....	121
IV.4	Prototipe	125
IV.4.1	Low Fidelity	125
IV.4.2	UI Style Guideline.....	140

IV.4.2.1 Logo	140
IV.4.2.2 Tipografi	140
IV.4.2.3 Warna.....	141
IV.4.2.4 Grid	142
IV.4.2.5 Icon dan Button.....	143
IV.4.2.6 Component Website.....	144
IV.4.3 High Fidelity	146
BAB V IMPLEMENTASI DAN PENGUJIAN	161
V.1 Usability Testing	161
V.1.1 Usability Testing User Siswa.....	161
V.1.1.1 Hasil Usability Testing User Siswa	162
V.1.1.2 Finding dan Recommendation User Siswa.....	163
V.1.1.3 Pengukuran System Usability Scale User Siswa	166
V.1.1.4 Pengukuran Single Ease Question User Siswa.....	166
V.1.1.5 Hasil Evaluasi User Siswa	168
V.1.2 Usability Testing User Guru	171
V.1.2.1 Hasil Usability Testing User Guru.....	171
V.1.2.2 Finding dan Recommendation User Guru	172
V.1.2.3 Pengukuran System Usability Scale User Guru	173
V.1.2.4 Pengukuran <i>Single Ease Question</i> User Guru	173
V.1.2.5 Hasil Evaluasi User Guru	175
V.1.3 Usability Testing User Wali Murid.....	176
V.1.3.1 Hasil <i>Usability Testing</i> User Wali Murid	177
V.1.3.2 Finding dan Recommendation User Wali Murid.....	177
V.1.3.3 Pengukuran <i>System Usability Scale</i> User Wali Murid	178
V.1.3.4 Pengukuran <i>Single Ease Question</i> User Wali Murid.....	179

V.1.3.5	Hasil Evaluasi User Wali Murid.....	180
V.1.4	Usability Testing User Staf Administratif	181
V.1.4.1	Hasil Usability Testing User Staf Administratif.....	183
V.1.4.2	Finding dan Recommendation User Staf Administratif	183
V.1.4.3	Pengukuran <i>System Usability Scale</i> Staf Administratif.....	185
V.1.4.4	Pengukuran <i>Single Ease Question</i> Staf Administratif.....	185
V.1.4.5	Hasil Evaluasi User Staf Administratif.....	187
V.2	Implementasi Front end.....	189
V.2.1	Halaman <i>Login</i>	189
V.2.2	Halaman <i>List</i> Kehadiran.....	189
V.2.3	Halaman Agenda.....	191
V.2.4	Halaman Data Diri Siswa.....	191
V.2.5	Halaman Dispensasi dan Izin.....	193
V.2.6	Halaman Logbook Pelanggaran	194
V.2.7	Halaman Informasi dan Pengaduan	195
V.2.8	Halaman <i>Assign</i> Guru Pengajar	196
V.2.9	Halaman <i>List</i> Guru Pengajar	196
V.2.10	Halaman Buat Akun.....	197
V.2.11	Halaman <i>List</i> Kelas	198
V.2.12	Halaman Buat Agenda	199
V.2.13	Halaman Informasi dan Pengaduan Staf Administrasi	200
V.2.14	Halaman <i>Pop Up</i>	201
BAB VI	KESIMPULAN DAN SARAN.....	203
VI.1	Kesimpulan.....	203
VI.2	Saran.....	204
Daftar Pustaka	206

LAMPIRAN ccxii