

## DAFTAR ISI

LEMBAR PENGESAHAN .....	ii
LEMBAR PERNYATAAN ORISINALITAS .....	iii
HALAMAN PENGESAHAN.....	iv
HALAMAN PERNYATAAN PERSETUJUAN AKADEMIS.....	v
KATA PENGANTAR .....	vi
ABSTRAK .....	vii
ABSTRACT .....	viii
DAFTAR ISI.....	ix
DAFTAR TABEL.....	xii
DAFTAR GAMBAR .....	xiv
BAB I PENDAHULUAN .....	1
I.1 Gambaran Umum Objek Penelitian .....	1
I.2 Latar Belakang Penelitian .....	2
I.3 Perumusan Masalah .....	13
I.4 Tujuan Penelitian .....	14
I.5 Manfaat Penelitian .....	14
I.6 Batasan dan Asumsi Masalah.....	15
I.7 Sistematika Penulisan.....	15
BAB II TINJAUAN PUSTAKA.....	17
II.1 <i>Smart Monitoring System</i> .....	17
II.2 <i>Design Thinking</i> .....	18
II.2.1 <i>Empathize</i> .....	19
II.2.2 <i>Define</i> .....	21
II.2.3 <i>Ideate</i> .....	22
II.2.3.1 <i>Quality Function Deployment (QFD)</i> .....	23
II.2.3.2 <i>House of Quality</i> .....	23
II.2.4 <i>Prototype</i> .....	28
II.2.4.1 <i>Wireframe High Fidelity</i> .....	28
II.2.5 <i>Testing</i> .....	29
II.2.5.1 <i>Usability Testing</i> .....	29

II.2.6 <i>User Interface</i> .....	32
II.2.7 <i>User Experience</i> .....	32
II.3 Penelitian Terdahulu .....	34
II.4 Posisi Penelitian.....	37
II.4.1 Kerangka Pemikiran.....	39
II.5 <i>State of the Art</i> .....	39
II.6 <i>Sustainable Development Goals (SDGs)</i> .....	41
II.6.1.1 <i>Good Health and Well Being</i> .....	42
II.7 Ruang Lingkup Penelitian .....	43
II.7.1 Objek dan Lokasi Penelitian .....	43
II.7.2 Waktu Penelitian .....	43
BAB III METODOLOGI PENELITIAN.....	45
III.1 Jenis Penelitian .....	45
III.2 -Tahapan Penelitian .....	47
III.2.1 Tahapan Awal .....	48
III.2.2 Tahap Pengumpulan dan Pengolahan Data .....	49
III.2.2.1 Pengumpulan Data .....	49
III.2.2.2 Pengolahan Data.....	50
III.2.2.3 <i>Empathize</i> .....	50
III.2.2.4 <i>Define</i> .....	50
III.2.2.5 <i>Ideate</i> .....	51
III.2.2.6 <i>Prototype</i> .....	53
III.2.2.7 <i>Testing</i> .....	53
III.2.3 Populasi dan Sampel.....	54
III.2.4 Uji Validitas dan Reliabilitas.....	54
III.2.5 Teknik Analisis Data .....	55
III.2.6 Kesimpulan dan Saran .....	55
III.2.7 Mapping Pertanyaan <i>In-depth Interview</i> .....	56
BAB IV .....	62
IV.1 Pengumpulan Data .....	62
IV.1.1 Survei.....	62
IV.1.2 <i>In-depth interview</i> .....	64

IV.1.3 Pengolahan Data.....	73
IV.1.3.1 <i>Empathize</i> .....	73
IV.1.3.2 <i>Define</i> .....	75
IV.1.3.3 <i>Ideate</i> .....	86
IV.1.3.4 <i>Prototype</i> .....	100
IV.1.3.5 <i>Testing</i> .....	108
IV.1.4 Implikasi Teoritis.....	112
IV.1.5 Implikasi Manajerial.....	112
BAB V KESIMPULAN DAN SARAN.....	113
V.1 Kesimpulan.....	113
V.2 Saran.....	113
DAFTAR PUSTAKA .....	115
LAMPIRAN A .....	123
LAMPIRAN B .....	126
LAMPIRAN C .....	132
LAMPIRAN D.....	133
LAMPIRAN E .....	135
LAMPIRAN F.....	137
LAMPIRAN G.....	138
LAMPIRAN H.....	140