

## DAFTAR ISI

<b>LEMBAR PENGESAHAN .....</b>	<b>ii</b>
<b>LEMBAR PERNYATAAN ORISINALITAS .....</b>	<b>iii</b>
<b>ABSTRAK .....</b>	<b>iv</b>
<b>KATA PENGANTAR.....</b>	<b>vi</b>
<b>DAFTAR TABEL .....</b>	<b>xii</b>
<b>DAFTAR GAMBAR.....</b>	<b>xiv</b>
<b>DAFTAR LAMPIRAN .....</b>	<b>xvii</b>
<b>BAB I PENDAHULUAN.....</b>	<b>1</b>
1.1.    Latar Belakang .....	1
1.2.    Rumusan Masalah .....	3
1.3.    Tujuan Penelitian.....	4
1.4.    Batasan dan Asumsi Penelitian .....	4
1.5.    Manfaat Penelitian.....	4
1.6.    Sistematika Penulisan.....	6
<b>BAB II LANDASAN TEORI .....</b>	<b>8</b>
2.1. <i>Stunting</i> .....	8
2.2.    Antropometri Ibu Hamil .....	8
2.3.    Posyandu .....	9
2.4.    Buku KIA .....	9
2.5.    E-Kohort.....	10
2.6.    Aplikasi <i>Mobile</i> .....	10
2.7. <i>React Native</i> .....	10
2.8. <i>Firebase</i> .....	10
2.9.    Metode <i>Prototyping</i> .....	11
2.10. <i>Unified Modeling Language (UML)</i> .....	12
2.11. <i>Use Case</i> .....	13
2.12. <i>Activity Diagram</i> .....	14
2.13. <i>Sequence Diagram</i> .....	15
2.14.    Figma .....	16
2.15. <i>Usability Testing</i> .....	16

2.16.	<i>Black Box Testing</i> .....	17
2.17.	<i>User Acceptance Testing</i> .....	18
2.18.	Penelitian Terdahulu .....	18
2.19.	Alasan Pemilihan Teori / Model / Kerangka Kerja .....	23
	<b>BAB III METODOLOGI PENELITIAN .....</b>	<b>25</b>
3.1.	Sistematika Penyelesaian Masalah .....	25
3.2.	<i>Initial</i> .....	26
3.3.	<i>Communication</i> .....	26
3.4.	<i>Quick Planning &amp; Modeling</i> .....	26
3.5.	<i>Construction of Prototype</i> .....	27
3.6.	<i>Deployment &amp; Feedback</i> .....	27
3.7.	<i>Refinement &amp; Finalization</i> .....	27
3.8.	<i>Release</i> .....	28
3.9.	Rencana Jadwal Kegiatan.....	28
	<b>BAB IV PENGUMPULAN DAN PENGOLAHAN DATA.....</b>	<b>30</b>
4.1.	<i>Communication</i> .....	30
4.1.1.	Kebutuhan Pengguna .....	30
4.1.2.	Kebutuhan Sistem .....	31
4.2.	<i>Quick Plan &amp; Modeling</i> .....	33
4.2.1.	Use Case Diagram .....	33
4.2.2.	Use Case Scenario .....	35
4.2.3.	Activity Diagram .....	54
4.2.3.1.	<i>Activity Diagram UC01 – Login</i> .....	55
4.2.3.2.	<i>Activity Diagram UC02 – Reset Password</i> .....	56
4.2.3.3.	<i>Activity Diagram UC03 – Registrasi</i> .....	57
4.2.3.4.	<i>Activity Diagram UC04 – Lihat Analisis Gizi</i> .....	58
4.2.3.5.	<i>Activity Diagram UC05 – Baca Edukasi Trimester</i> .....	59
4.2.3.6.	<i>Activity Diagram UC06 – Lihat Jadwal Posyandu</i> .....	60
4.2.3.7.	<i>Activity Diagram UC07 – Daftar Antrian Pemeriksaan</i> .....	61
4.2.3.8.	<i>Activity Diagram UC08 – Pantau Gizi Harian</i> .....	62
4.2.3.9.	<i>Activity Diagram UC09 – Baca Artikel Kehamilan</i> .....	63
4.2.3.10.	<i>Activity Diagram UC10 – Tonton Video Edukasi</i> .....	64

4.2.3.11. <i>Activity Diagram UC11 – Ubah Profil</i> .....	65
4.2.3.12. <i>Activity Diagram UC12 – Ubah Password</i> .....	66
4.2.3.13. <i>Activity Diagram UC13 – Logout</i> .....	67
4.2.3.14. <i>Activity Diagram UC14 – Lihat Analisi Kehamilan</i> .....	68
4.2.3.15. <i>Activity Diagram UC15 – Lihat Hasil Pemeriksaan Terakhir</i> ....	69
4.2.3.16. <i>Activity Diagram UC16 – Lihat Informasi Kehamilan</i> .....	70
4.2.3.17. <i>Activity Diagram UC17 – Lihat Grafik Perkembangan Kehamilan</i> .....	71
4.2.3.18. <i>Activity Diagram UC18 – Lihat Riwayat Pemeriksaan</i> .....	72
4.2.3.19. <i>Activity Diagram UC19 – Tambah Hasil Pemeriksaan</i> .....	73
4.2.3.20. <i>Activity Diagram UC20 – Lihat Daftar Ibu</i> .....	74
4.2.3.21. <i>Activity Diagram UC21 – Lihat Daftar Ibu Berisiko Tinggi</i> .....	75
4.2.3.22. <i>Activity Diagram UC22 – Lihat Antrean</i> .....	76
4.2.3.23. <i>Activity Diagram UC23 – Validasi Akun Kader</i> .....	77
4.2.3.24. <i>Activity Diagram UC24 – Ubah Hasil Pemeriksaan Ibu</i> .....	78
4.2.3.25. <i>Activity Diagram UC25 – Hapus Hasil Pemeriksaan Ibu</i> .....	79
4.2.3.26. <i>Activity Diagram UC26 – Ubah Jadwal Posyandu</i> .....	80
4.2.3.27. <i>Activity Diagram UC27– Eksport Rekap Hasil Pemeriksaan</i> .....	81
4.2.4. <i>Sequence Diagram</i> .....	82
4.2.4.1. <i>Sequence Diagram UC01 – Login</i> .....	82
4.2.4.2. <i>Sequence Diagram UC02 - Forgot Password</i> .....	83
4.2.4.3. <i>Sequence Diagram UC03 - Registrasi Akun</i> .....	84
4.2.4.4. <i>Sequence Diagram UC04 - Lihat Analisis Gizi</i> .....	84
4.2.4.5. <i>Sequence Diagram UC05 - Baca Edukasi Trimester</i> .....	85
4.2.4.6. <i>Sequence Diagram UC06 - Lihat Jadwal Posyandu</i> .....	85
4.2.4.7. <i>Sequence Diagram UC07 - Daftar Antrean Pemeriksaan</i> .....	86
4.2.4.8. <i>Sequence Diagram UC08 - Pantau Gizi Harian</i> .....	87
4.2.4.9. <i>Sequence Diagram UC09 - Baca Artikel Kehamilan</i> .....	87
4.2.4.10. <i>Sequence Diagram UC10 - Tonton Video Edukasi Kehamilan</i> ..	88
4.2.4.11. <i>Sequence Diagram UC11 - Ubah Profil</i> .....	89
4.2.4.12. <i>Sequence Diagram UC12 - Ubah Password</i> .....	90
4.2.4.13. <i>Sequence Diagram UC13 – Logout</i> .....	91

4.2.4.14. <i>Sequence Diagram UC14 - Lihat Analisis Kehamilan</i> .....	92
4.2.4.15. Sequence Diagram UC15 - Lihat Hasil Pemeriksaan Terakhir ..	92
4.2.4.16. <i>Sequence Diagram UC16 - Lihat Informasi Kehamilan</i> .....	93
4.2.4.17. <i>Sequence Diagram UC17 - Lihat Grafik Perkembangan Kehamilan</i> .....	93
4.2.4.18. <i>Sequence Diagram UC18 - Lihat Riwayat Pemeriksaan</i> .....	94
4.2.4.19. <i>Sequence Diagram UC19 - Tambah Hasil Pemeriksaan</i> .....	95
4.2.4.20. <i>Sequence Diagram UC20 - Lihat Daftar Ibu</i> .....	95
4.2.4.21. <i>Sequence Diagram UC21 - Lihat Daftar Ibu Berisiko Tinggi</i> ....	96
4.2.4.22. <i>Sequence Diagram UC22 - Lihat Antrean</i> .....	97
4.2.4.23. <i>Sequence Diagram UC23 - Validasi Akun Kader</i> .....	97
4.2.4.24. <i>Sequence Diagram UC24 - Ubah Hasil Pemeriksaan Ibu</i> .....	98
4.2.4.25. <i>Sequence Diagram UC25 - Hapus Hasil Pemeriksaan Ibu</i> .....	99
4.2.4.26. <i>Sequence Diagram UC26 - Ubah Jadwal Posyandu</i> .....	99
4.2.4.27. <i>Sequence Diagram UC27 - Eksport Rekap Hasil Pemeriksaan</i> .	100
4.2.5. Wireframe .....	100
<b>4.3. <i>Construction of Prototype</i></b> .....	<b>101</b>
4.3.1. Design User Interface .....	102
4.3.2. Prototype Design.....	103
4.3.3. Iterasi Prototype.....	103
4.3.3.1. Iterasi 1 .....	104
4.3.3.2. Iterasi 2.....	105
4.3.3.3. Iterasi 3.....	107
<b>4.4. <i>Refinement &amp; Finalization</i></b> .....	<b>108</b>
4.4.1 Pembuatan Front End.....	109
4.4.2 Pembuatan Database .....	110
4.4.3 Pembuatan Back End .....	110
<b>BAB V ANALISIS DAN PEMBAHASAN.....</b>	<b>112</b>
5.1 <i>Sistem Usability Scale</i> .....	112
5.2 Hasil Pembuatan Aplikasi .....	114
5.2.1. Halaman Awal Aplikasi.....	114
5.2.2. Halaman Pendaftaran Akun Tenaga Kesehatan.....	115

5.2.3. Halaman Pendaftaran Akun Ibu Hamil.....	116
5.2.4. Halaman <i>Login</i> .....	117
5.2.5. Halaman Forgot Password .....	118
5.2.6. Halaman Beranda Ibu Hamil .....	119
5.2.7. Halaman Video Edukasi .....	120
5.2.8. Halaman Menu Kesehatan Ibu Hamil.....	121
5.2.9. Halaman Menu Grafik Ibu Hamil.....	122
5.2.10. Halaman Menu Rekam Medis Ibu Hamil .....	123
5.2.11. Halaman Menu Panduan Gizi Ibu Hamil.....	124
5.2.12. Halaman Menu Tips Ibu Hamil .....	125
5.2.13. Halaman Artikel Ibu Hamil .....	126
5.2.14. Halaman Profil Ibu Hamil.....	127
5.2.15. Halaman Beranda Tenaga Kesehatan .....	128
5.2.16. Halaman List Mama Terdaftar.....	129
5.2.17. Halaman Detail Ibu Hamil Tenaga Kesehatan .....	130
5.2.18. Halaman Monitoring Tenaga Kesehatan .....	131
5.2.19. Halaman Tab Pemeriksaan Tenaga Kesehatan.....	132
5.2.20. Halaman Profil Tenaga Kesehatan .....	133
5.2.21. Halaman Detail Monitoring Tenaga Kesehatan.....	134
5.2.22. Halaman Validasi Akun Kader .....	135
5.2.23. Halaman Ubah Pemeriksaan .....	136
5.2.24. Halaman Ubah Profil .....	137
5.2.25. Halaman Ubah Password .....	138
5.3 <i>Black Box Testing</i> .....	138
5.4 <i>User Acceptance Testing</i> .....	144
<b>BAB VI KESIMPULAN DAN SARAN.....</b>	<b>149</b>
6.1 Kesimpulan.....	149
6.2 Saran .....	149
<b>DAFTAR PUSTAKA .....</b>	<b>151</b>
<b>LAMPIRAN .....</b>	<b>154</b>