

## DAFTAR ISI

<b>HALAMAN JUDUL</b> .....	<b>i</b>
<b>LAPORAN TUGAS AKHIR</b> .....	<b>ii</b>
<b>LEMBAR PENGESAHAN</b> .....	<b>iii</b>
<b>PERNYATAAN KEASLIAN PROYEK AKHIR</b> .....	<b>iv</b>
<b>KATA PENGANTAR</b> .....	<b>v</b>
<b>DAFTAR ISI</b> .....	<b>vii</b>
<b>DAFTAR GAMBAR</b> .....	<b>ix</b>
<b>DAFTAR TABEL</b> .....	<b>xii</b>
<b>INTISARI</b> .....	<b>xiii</b>
<b>ABSTRACT</b> .....	<b>xiv</b>
<b>BAB I PENDAHULUAN</b> .....	<b>1</b>
1.1 Latar Belakang .....	1
1.2 Rumusan Masalah .....	4
1.3 Tujuan dan Manfaat Proyek Akhir .....	4
1.4 Batasan Penelitian .....	5
1.5 Sistematika Penulisan.....	5
<b>BAB II KAJIAN PUSTAKA</b> .....	<b>7</b>
2.1 Tinjauan Pustaka .....	7
2.2 Dasar Teori .....	17
2.2.1 Analisis dan Perancangan .....	17
2.2.2 Mengaji .....	18
2.2.3 Iqra .....	18
2.2.4 <i>User Interface (UI)</i> .....	18
2.2.5 <i>User Experience (UX)</i> .....	19
2.2.6 <i>E-learning</i> .....	19
2.2.7 Gamifikasi .....	19
2.2.8 <i>Gamified Learning Platform</i> .....	21
2.2.9 <i>Design Science Research Methodology (DSRM)</i> .....	22
2.2.10 <i>Affinity Diagram</i> .....	24
2.2.11 <i>User Persona</i> .....	24
2.2.12 <i>User Flow</i> .....	25
2.2.13 <i>Design System</i> .....	26
2.2.14 <i>Low-Fidelity Prototype</i> .....	27
2.2.15 <i>High-Fidelity Prototype</i> .....	27
2.2.16 <i>Prototype</i> .....	28

2.2.17	<i>Usability Evaluation</i> .....	28
2.2.18	<i>Cognitive Walkthrough</i> .....	29
2.2.19	Figma.....	29
2.2.20	Figjam .....	30
2.2.21	<i>Sitemap</i> .....	31
2.2.22	<i>Intrinsic Motivation Inventory (IMI)</i> .....	31
2.2.23	<i>User Engagement Scale-Short Form (UES-SF)</i> .....	32
2.2.24	<i>User Experience Questionnaire (UEQ)</i> .....	33
<b>BAB III METODE PENELITIAN .....</b>		<b>36</b>
3.1	Alat dan Bahan.....	36
3.1.1	Alat.....	36
3.1.2	Bahan.....	37
3.2	Tahapan Proyek Akhir.....	38
3.2.1	Observasi.....	38
3.2.2	Studi Literatur .....	39
3.2.3	Kuesioner .....	39
3.2.4	Wawancara .....	39
3.2.5	<i>Design Science Research Methodology (DSRM)</i> .....	41
<b>BAB IV HASIL DAN PEMBAHASAN .....</b>		<b>47</b>
4.1	<i>Problem Identification and Motivation</i> .....	47
4.2	<i>Define the Objectives for a Solution</i> .....	57
4.3	<i>Design and Development</i> .....	89
4.3.1	<i>Wireframe/Low-Fidelity Prototype</i> .....	89
4.3.2	<i>Mockup/High-Fidelity Prototype</i> .....	111
4.4	<i>Demonstration</i> .....	134
4.5	<i>Evaluation</i> .....	136
4.5.1	Hasil <i>User Experience Questionnaire (UEQ)</i> .....	136
4.5.2	Hasil <i>Usability Evaluation</i> .....	138
4.5.3	Hasil <i>Intrinsic Motivation Inventory (IMI)</i> .....	142
4.5.4	Hasil <i>User Engagement Scale (UES)</i> .....	145
4.6	<i>Communication</i> .....	148
<b>BAB V PENUTUP.....</b>		<b>149</b>
5.1	Kesimpulan .....	149
5.2	Saran.....	149
<b>DAFTAR PUSTAKA .....</b>		<b>150</b>
<b>LAMPIRAN .....</b>		<b>158</b>