

DAFTAR ISI

| | |
|---|-------|
| TUGAS AKHIR | i |
| ABSTRAK | ii |
| <i>ABSTRACT</i> | iii |
| LEMBAR PENGESAHAN | iv |
| LEMBAR PERNYATAAN ORISINALITAS | v |
| KATA PENGANTAR | vi |
| LEMBAR PERSEMBAHAN | vii |
| DAFTAR ISI | ix |
| DAFTAR GAMBAR | xiii |
| DAFTAR TABEL | xvi |
| DAFTAR ISTILAH | xviii |
| DAFTAR LAMPIRAN | xx |
| BAB I PENDAHULUAN | 1 |
| I.1 Latar Belakang | 1 |
| I.2 Perumusan Masalah | 4 |
| I.3 Tujuan Penelitian | 4 |
| I.4 Batasan Penelitian | 4 |
| I.5 Manfaat Penelitian | 5 |
| BAB II TINJAUAN PUSTAKA | 6 |
| II.1 Perpustakaan Digital | 6 |
| II.2 <i>Website</i> | 7 |
| II.3 <i>User Interface (UI)</i> | 7 |
| II.4 <i>User Experience (UX)</i> | 7 |
| II.5 <i>Design Thinking</i> | 8 |
| II.6 <i>User Centered Design</i> | 9 |
| II.7 <i>Human Centered Design</i> | 11 |
| II.8 <i>Material Design</i> | 13 |
| II.8.1 <i>Layout</i> | 13 |
| II.8.2 <i>Navigation</i> | 14 |
| II.8.3 <i>Color</i> | 15 |

| | | |
|---------------------------------------|--|----|
| II.8.4 | <i>Typography</i> | 16 |
| II.8.5 | <i>Iconography</i> | 16 |
| II.9 | <i>Gestalt Principles of Design</i> | 17 |
| II.10 | <i>Dieter Rams' 10 Principle of Good Design</i> | 24 |
| II.11 | <i>Usability Testing</i> | 25 |
| II.12 | <i>Single Ease Question (SEQ)</i> | 26 |
| II.13 | <i>User Acceptance Testing (UAT)</i> | 26 |
| II.14 | <i>User Persona</i> | 26 |
| II.15 | Tipe Kepribadian <i>DISC</i> | 27 |
| II.16 | <i>Figma</i> | 28 |
| II.17 | <i>Visual Studio Code</i> | 28 |
| II.18 | <i>Hypertext Markup Language (HTML)</i> | 29 |
| II.19 | <i>Cascading Style Sheet (CSS)</i> | 29 |
| II.20 | <i>Bootstrap</i> | 29 |
| II.21 | <i>Maze</i> | 29 |
| II.22 | <i>Netlify</i> | 30 |
| II.23 | Penelitian Terdahulu | 30 |
| BAB III METODOLOGI PENELITIAN | | 32 |
| III.1 | Model Konseptual | 32 |
| III.2 | Sistematika Penyelesaian Masalah | 33 |
| III.3 | Pengumpulan Data | 34 |
| III.4 | Pengembangan Produk | 35 |
| III.5 | Alasan Pemilihan Metode | 37 |
| BAB IV ANALISIS DAN PERANCANGAN | | 39 |
| IV.1 | <i>Emphatize (Analisis)</i> | 39 |
| IV.1.1 | Hasil <i>Assessment DISC Tipe Kepribadian Dominance</i> | 39 |
| IV.1.2 | <i>User Interview</i> | 40 |
| IV.2 | <i>Define (Analisis)</i> | 44 |
| IV.2.1 | Analisis Hasil <i>Assessment DISC Tipe Kepribadian Dominance</i> | 45 |

| | | |
|--|---|-----|
| IV.2.2 | <i>Empathy Map</i> | 49 |
| IV.3 | <i>Ideate</i> (Perancangan) | 51 |
| IV.3.1 | <i>Use Case Diagram</i> | 52 |
| IV.3.2 | <i>Use Case Scenario</i> | 53 |
| IV.3.3 | <i>Activity Diagram</i> | 67 |
| IV.3.4 | <i>Material Design</i> | 80 |
| BAB V IMPLEMENTASI DAN PENGUJIAN | | 84 |
| V.1 | <i>Prototype</i> (Implementasi) | 84 |
| V.1.1 | <i>Design User Interface High Fidelity</i> | 85 |
| V.1.2 | Hasil Design User Interface High Fidelity | 112 |
| V.2 | <i>Test</i> (Pengujian)..... | 112 |
| V.2.1 | <i>Usability Testing</i> | 112 |
| V.3 | Implementasi <i>Front End</i> | 120 |
| V.3.1 | Hasil Implementasi Halaman Beranda | 121 |
| V.3.2 | Hasil Implementasi Halaman Katalog..... | 122 |
| V.3.3 | Hasil Implementasi Halaman <i>About Us</i> | 123 |
| V.3.4 | Hasil Implementasi Halaman <i>Gallery</i> | 124 |
| V.3.5 | Hasil Implementasi Halaman <i>FAQ</i> | 125 |
| V.3.6 | Hasil Implementasi Halaman <i>Open Courseware</i> | 126 |
| V.3.7 | Hasil Implementasi Halaman <i>Login</i> | 127 |
| V.3.8 | Hasil Implementasi <i>Sign Up</i> | 127 |
| V.3.9 | Hasil Implementasi Halaman Katalog (<i>Fullsite</i>)..... | 128 |
| V.3.10 | Hasil Implementasi Halaman Penelusuran Peminjaman | 129 |
| V.3.11 | Hasil Implementasi Halaman Usulan Katalog..... | 129 |
| V.3.12 | Hasil Implementasi Halaman Notifikasi Ketersediaan..... | 130 |
| V.3.13 | Hasil Implementasi Halaman Keanggotaan | 131 |
| V.3.14 | Hasil Implementasi Halaman Dokumen..... | 132 |
| V.3.15 | Hasil Implementasi Halaman Laporan Magang & KP..... | 132 |
| V.3.16 | Hasil Implementasi Halaman Informasi | 133 |
| V.3.17 | Hasil Implementasi Halaman Tentang Kami..... | 133 |
| V.3.18 | Hasil Implementasi Halaman Tahun Terbit | 134 |
| V.3.19 | Hasil Implementasi Halaman Rincian Katalog | 135 |

| | | |
|----------------------------------|--|-----|
| V.3.20 | Hasil Implementasi Halaman Informasi Surat Bebas Kewajiban Perpustakaan | 136 |
| V.3.21 | Hasil Implementasi Halaman Informasi <i>Open Library Book Competition</i> | 137 |
| V.3.22 | Hasil Implementasi Halaman Informasi Layanan <i>Assistive Technology</i> | 138 |
| V.3.23 | Hasil Implementasi Halaman Informasi Fasilitas Cek <i>Similarity, iThenticate dan Turnitin</i> | 139 |
| V.3.24 | Hasil Implementasi Halaman Informasi Cara Akses Scopus .. | 140 |
| V.3.25 | Hasil Implementasi Halaman Informasi Standar Layanan <i>Open Library</i> | 141 |
| V.3.26 | Hasil Implementasi Halaman Informasi Cara Akses Koleksi <i>Electronic Book Open Library</i> | 142 |
| V.3.27 | Hasil Implementasi Halaman Informasi Layanan <i>Document Delivery Service</i> | 143 |
| V.4 | <i>User Acceptance Testing (UAT)</i> | 143 |
| V.4.1 | Hasil <i>User Acceptance Testing (UAT)</i> | 144 |
| BAB VI KESIMPULAN DAN SARAN..... | | 146 |
| VI.1 | Kesimpulan | 146 |
| VI.2 | Saran..... | 147 |
| DAFTAR PUSTAKA | | 148 |
| LAMPIRAN | | 152 |