

DAFTAR GAMBAR

Gambar 1.1 Tampilan SAP ERP (<i>Enterprise Resource Planning</i>)	8
Gambar 1.2 Tampilan Microsoft Dynamics ERP (<i>Enterprise Resource Planning</i>).....	12
Gambar 1.3 Tampilan Aplikasi Odoo.....	16
Gambar 2.1 Proses Produksi Konveksi UMKM.....	19
Gambar 3.1 <i>Use Case Diagram Login dan Logout</i>	49
Gambar 3.2 <i>Use Case Diagram Dashboard</i>	50
Gambar 3.3 <i>Use Case Diagram Order</i>	51
Gambar 3.4 <i>Use Case Diagram Project Planning</i>	52
Gambar 3.5 <i>Use Case Diagram Production</i>	53
Gambar 3.6 <i>Use Case Diagram Machine</i>	54
Gambar 3.7 <i>Use Case Diagram Workforce</i>	55
Gambar 3.8 <i>Use Case Diagram Product</i>	57
Gambar 3.9 <i>Use Case Diagram Material</i>	58
Gambar 3.10 <i>Use Case Diagram Selling</i>	60
Gambar 3.11 <i>Use Case Diagram Return</i>	62
Gambar 3.12 <i>Sequence Diagram Input Order yang Masuk</i>	64
Gambar 3.13 <i>Sequence Diagram Mengelola Data Order</i>	65
Gambar 3.14 <i>Sequence Diagram Mengelola Data Customer dan Catalog</i>	67
Gambar 3.15 <i>Sequence Diagram Mengurus Project Planning</i>	69
Gambar 3.16 <i>Sequence Diagram Melihat Proyek yang Sudah Dijadwalkan</i>	71
Gambar 3.17 <i>Sequence Diagram Mengurus Produksi</i>	73
Gambar 3.18 <i>Sequence Diagram Mengurus List Machine</i>	75
Gambar 3.19 <i>Sequence Diagram Mengurus List Workforce</i>	77
Gambar 3.20 <i>Sequence Diagram Mengurus Data Produk</i>	79
Gambar 3.21 <i>Sequence Diagram Mengurus Data Pengembaliak Produk</i>	81
Gambar 3.22 <i>Sequence Diagram Mengurus Data Material</i>	83
Gambar 3.23 <i>Sequence Diagram Mengurus Data Permintaan Material</i>	85
Gambar 3.24 <i>Sequence Diagram Mengurus Data Transaksi Permintaan Material</i>	87
Gambar 3.25 <i>Sequence Diagram Mengurus Data Penjualan</i>	89
Gambar 3.26 <i>Sequence Diagram Mengurus Data Transaksi Penjualan</i>	90
Gambar 3.27 <i>Sequence Diagram Mengurus Data Pengembalian Customer</i>	92
Gambar 3.28 <i>Sequence Diagram Mengurus Data Pengembalian Produksi</i>	94

Gambar 3.29 <i>Sequence Diagram</i> Mengurus Data Pengembalian Material	96
Gambar 3.30 <i>Class Diagram</i>	105
Gambar 3.31 <i>Entity Relationship Diagram</i>	117
Gambar 3.32 Halaman Tampilan Utama	118
Gambar 3.33 Halaman <i>Sign Up</i> dan <i>Dashboard</i>	119
Gambar 3.34 Halaman Produk dan <i>Input/Output Item</i>	119
Gambar 3.35 Halaman Distribusi	119
Gambar 3.36 Halaman Kapasitas Produksi	120
Gambar 3.37 Halaman Tenaga Kerja	120
Gambar 3.38 Halaman <i>Schedule</i>	121
Gambar 4.1 Proses Pengguna hingga <i>database</i>	125
Gambar 4.2 Garis Besar Fitur Production	126
Gambar 4.3 Alur Cara Kerja <i>Sub-Sistem</i> Pengembangan UI/UX Production	126
Gambar 4.4 Alur kerja pengembangan UI/UX Production	126
Gambar 4.5 Cara kerja implementasi Production pada web	128
Gambar 4.6 Contoh Referensi Desain Pada Situs Pinterest	129
Gambar 4.7 Pengembangan UI/UX <i>Home Page</i> Pada Aplikasi Figma	129
Gambar 4.8 Pengembangan UI/UX <i>Login Page</i> Pada Aplikasi Figma	130
Gambar 4.9 Pengembangan UI/UX <i>Inventory Page</i> Pada Aplikasi Figma	130
Gambar 4.10 Pengembangan UI/UX <i>Planning Page</i> Pada Aplikasi Figma	131
Gambar 4.11 Pengembangan UI/UX <i>Production Page</i> Pada Aplikasi Figma	132
Gambar 4.12 Pengembangan UI/UX <i>Cash Book Page</i> Pada Aplikasi Figma	132
Gambar 4.13 Implementasi UI/UX <i>Home Page</i> Production	133
Gambar 4.14 Implementasi UI/UX <i>Login Page</i> Production	135
Gambar 4.15 Implementasi UI/UX <i>layout sidebar</i> Production	137
Gambar 4.16 Implementasi UI/UX <i>layout main</i> Production	140
Gambar 4.17 Implementasi UI/UX <i>Dashboard Page</i> Production	143
Gambar 4.18 Implementasi UI/UX <i>Partial Page</i> Production	145
Gambar 4.19 Implementasi UI/UX <i>Order Page</i> Production	147
Gambar 4.20 Implementasi UI/UX <i>Order Book Page</i> Production	149
Gambar 4.21 Implementasi UI/UX <i>Order Archive Page</i> Production	151
Gambar 4.22 Implementasi UI/UX <i>Customer Page</i> Production	153
Gambar 4.23 Implementasi UI/UX <i>Catalog Page</i> Production	155
Gambar 4.24 Implementasi UI/UX <i>Project Page</i> Production	157

Gambar 4.25 Implementasi UI/UX <i>Schedule Page</i> Production.....	159
Gambar 4.26 Implementasi UI/UX <i>Production Page</i> Production	163
Gambar 4.27 Implementasi UI/UX <i>Production Archive Page</i> Production.....	165
Gambar 4.28 Implementasi UI/UX <i>Machine Page</i> Production	168
Gambar 4.29 Implementasi UI/UX <i>Workforce Page</i> Production	170
Gambar 4.30 Implementasi UI/UX <i>Product Page</i> Production	172
Gambar 4.31 Implementasi UI/UX <i>Rejected Product Page</i> Production	174
Gambar 4.32 Implementasi UI/UX <i>Material Page</i> Production	176
Gambar 4.33 Implementasi UI/UX <i>Request Material Page</i> Production	178
Gambar 4.34 Implementasi UI/UX <i>Request transaction Page</i> Production	181
Gambar 4.35 Implementasi UI/UX <i>Requested Material Page</i> Production.....	183
Gambar 4.36 Implementasi UI/UX <i>Selling Page</i> Production.....	185
Gambar 4.37 Implementasi UI/UX <i>Selling transaction Page</i> Production.....	187
Gambar 4.38 Implementasi UI/UX <i>Selling Item Page</i> Production.....	189
Gambar 4.39 Implementasi UI/UX <i>Return Customer Page</i> Production.....	190
Gambar 4.40 Implementasi UI/UX <i>Return Customer Archive Page</i> Production	193
Gambar 4.41 Implementasi UI/UX <i>Return Production Page</i> Production	195
Gambar 4.42 Implementasi UI/UX <i>Return Production Archive Page</i> Production.....	198
Gambar 4.43 Implementasi UI/UX <i>Return Material Page</i> Production	200
Gambar 4.44 Implementasi <i>Return Material Archive Page</i> Production.....	203
Gambar 4.45 Keseluruhan tabel dan relasi antar tabel	206
Gambar 4.46 Pembuatan skema <i>database</i>	207
Gambar 4.47 Pembuatan Struktur Tabel	214
Gambar 4.48 Migrasi <i>Database</i>	218
Gambar 4.49 Cara Kerja <i>Sub-Sistem</i> Pengembangan API.....	219
Gambar 4.50 Implementasi Pengembangan API.....	220
Gambar 4.51 Struktur Fungsi <i>Index</i>	223
Gambar 4.52 Contoh Menampilkan Data	230
Gambar 4.53 Contoh <i>Input</i> Sebelum dan Sesudah Menekan Tombol “ <i>Select</i> ”	234
Gambar 4.54 Contoh <i>Input</i> Sebelum dan Sesudah Fungsi Dipanggil	237
Gambar 4.55 Memilih MySQL.....	243
Gambar 4.56 Memilih <i>Encryption</i>	243
Gambar 4.57 Memilih Region	243
Gambar 4.58 Memilih Konfigurasi Mesin.....	244

Gambar 4.59 Cek Tabel <i>Database</i>	244
Gambar 4.60 Memilih VM Region.....	245
Gambar 4.61 Memilih Konfigurasi Mesin.....	245
Gambar 4.62 Memilih Spesifikasi Mesin	246
Gambar 4.63 Memilih <i>Firewall</i>	246
Gambar 4.64 Isi <i>.env</i>	247
Gambar 4.65 Konfigurasi Nginx	247
Gambar 4.66 Halaman Utama Production	248
Gambar 4.67 Halaman <i>Login</i> Production	248
Gambar 4.68 <i>Dashboard Page</i> Production.....	249
Gambar 4.69 <i>Partial Page</i> Production.....	249
Gambar 4.70 <i>Order Page</i> Production	250
Gambar 4.71 <i>Order Book Page</i> Production.....	250
Gambar 4.72 <i>Order Archive Page</i> Production.....	251
Gambar 4.73 <i>Customer Page</i> Production	251
Gambar 4.74 <i>Catalog Page</i> Production	252
Gambar 4.75 <i>Project Page</i> Production	252
Gambar 4.76 <i>Schedule Page</i> Production	253
Gambar 4.77 <i>Production Page</i> Production.....	253
Gambar 4.78 <i>Production Archive Page</i> Production	254
Gambar 4.79 <i>Machine Page</i> Production.....	254
Gambar 4.80 <i>Workforce Page</i> Production	255
Gambar 4.81 <i>Product Page</i> Production	255
Gambar 4.82 <i>Rejected Product Page</i> Production	256
Gambar 4.83 <i>Material Page</i> Production.....	256
Gambar 4.84 <i>Request Material Page</i> Production	257
Gambar 4.85 <i>Request Transaction Page</i> Production.....	257
Gambar 4.86 <i>Requested Material Page</i> Production	258
Gambar 4.87 <i>Selling Page</i> Production.....	258
Gambar 4.88 <i>Selling Transaction Page</i> Production	259
Gambar 4.89 <i>Selling Item Page</i> Production.....	259
Gambar 4.90 <i>Return Customer Page</i> Production	260
Gambar 4.91 <i>Return Customer Archive Page</i> Production	260
Gambar 4.92 <i>Return Production Page</i> Production	261

Gambar 4.93 <i>Return Production Archive Page</i> Production.....	261
Gambar 4.94 <i>Return Material Page</i> Production	262
Gambar 4.95 <i>Return Material Archive Page</i> Production.....	262
Gambar 5.1 Hasil Tes 1 dari Platform <i>Cloud</i>	399
Gambar 5.2 Hasil Tes 1 dari Platform <i>Shared Hosting</i>	399
Gambar 5.3 Hasil Tes 2 dari Platform <i>Cloud</i>	399
Gambar 5.4 Hasil Tes 2 dari Platform <i>Shared Hosting</i>	399
Gambar 5.5 Hasil Tes 2 dari Platform <i>Cloud</i>	399
Gambar 5.6 Hasil Tes 3 dari Platform <i>Shared Hosting</i>	399
Gambar 5.7 Detail Grafik <i>System Response Time</i>	401
Gambar 5.8 Detail Grafik <i>System Resource Usage</i>	401
Gambar 5.9 Detail Grafik <i>System Response Time</i>	401
Gambar 5.10 Detail Grafik <i>System Resource Usage</i>	402
Gambar 5.11 Hasil Perbandingan <i>Response Time</i> dari Kedua Tes	402
Gambar 5.12 Hasil <i>Penetration Testing</i> di OWASP ZAP.....	412
Gambar 5.13 Dokumentasi UAT (<i>User Acceptance Testing</i>)	414
Gambar 5.14 Catatan Semua <i>Order</i> Masuk.....	418
Gambar 5.15 Kumpulan <i>Order</i> Masuk.....	419
Gambar 5.16 Fitur <i>Project</i> Ketika Sibuk.....	419
Gambar 5.17 Fitur <i>Schedule</i> Ketika Sibuk	420
Gambar 5.18 Fitur <i>Production</i>	420
Gambar 5.19 Detail Harian pada Fitur <i>Schedule</i>	421
Gambar 5.20 Fitur <i>Inventory</i> Bagian <i>Product</i>	421
Gambar 5.21 Fitur <i>Rejected Product</i>	422
Gambar 5.22 Fitur <i>Inventory</i> Bagian <i>Material</i>	422