

DAFTAR FITUR APLIKASI SMART CASHIER

FITUR UTAMA

1. SISTEM AUTENTIKASI

- ✓ Login dengan email & password
- ✓ Registrasi user baru
- ✓ Token-based authentication
- ✓ Session management
- ✓ Protected routes

2. MANAJEMEN PRODUK

- ✓ Tambah produk baru
- ✓ Edit informasi produk
- ✓ Hapus produk
- ✓ Kategori produk
- ✓ Upload gambar produk
- ✓ Manajemen stok otomatis
- ✓ Pencarian produk

3. POINT OF SALE (POS) SYSTEM

- ✓ Interface kasir modern
- ✓ Grid tampilan produk
- ✓ Shopping cart system
- ✓ Tambah/kurang quantity
- ✓ Kalkulasi total otomatis
- ✓ Multiple item handling
- ✓ Checkout process
- ✓ Receipt generation

4. 🤖 SISTEM REKOMENDASI AI

- ✓ "Pelanggan juga membeli" (Customers also bought)
- ✓ Produk populer berdasarkan penjualan
- ✓ Rekomendasi personalisasi
- ✓ Real-time suggestions
- ✓ Collaborative filtering algorithm

5. 📊 LAPORAN & ANALYTICS

- ✓ Laporan penjualan harian
- ✓ Laporan penjualan mingguan
- ✓ Laporan penjualan bulanan
- ✓ Grafik revenue & statistics
- ✓ Performa produk analytics
- ✓ Export laporan (PDF/Excel)
- ✓ Dashboard dengan key metrics

🔧 FITUR TEKNICAL

6. 💻 BACKEND (LARAVEL)

- ✓ RESTful API architecture
- ✓ MySQL database
- ✓ Laravel Sanctum authentication
- ✓ MVC pattern
- ✓ Database migrations & seeders
- ✓ Error handling & validation
- ✓ CORS configuration

7. FRONTEND (FLUTTER)

- ✓ Responsive design
- ✓ Provider state management
- ✓ HTTP client integration
- ✓ Loading states & error handling
- ✓ Local storage (SharedPreferences)
- ✓ Cross-platform compatibility
- ✓ Clean architecture

8. FITUR SUPPORT

- ✓ Error handling comprehensive
- ✓ Loading indicators
- ✓ Form validation
- ✓ Real-time updates
- ✓ Search & filter functionality
- ✓ Image handling
- ✓ Navigation system

FITUR BISNIS INTELLIGENCE

9. ANALYTICS DASHBOARD

- ✓ Total revenue tracking
- ✓ Sales trends analysis
- ✓ Product performance ranking
- ✓ Transaction history
- ✓ Customer purchase patterns
- ✓ Inventory insights

10. ORDER MANAGEMENT

- ✓ Order creation & tracking
- ✓ Order items management
- ✓ Purchase history
- ✓ Revenue calculation
- ✓ Stock auto-update

🌟 FITUR UNGGULAN

AI-Powered Recommendations

Sistem rekomendasi cerdas berdasarkan pola pembelian

Meningkatkan cross-selling dan up-selling

Real-time Analytics

Dashboard analytics live update

Business intelligence real-time

User Experience

Interface yang intuitive dan user-friendly

Workflow kasir yang efisien

Security

Authentication system yang secure

Data protection

📊 STATISTIK APLIKASI

Total Endpoints API: 15+

Database Tables: 8+

Flutter Pages: 10+

Features: 25+ fitur lengkap

Integration: Backend + Frontend + AI

KEUNGGULAN APLIKASI

Lengkap - Cover semua kebutuhan kasir modern

Modern - Menggunakan teknologi terbaru

Intelligent - Dilengkapi AI recommendations

Scalable - Arsitektur yang mudah dikembangkan

User-Friendly - Interface yang mudah digunakan

Aplikasi ini siap untuk digunakan dalam environment production dan merupakan solusi kasir yang komprehensif! 