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CHANGELOG

All notable changes to this project will be documented in this file.

The format is based on Keep a Changelog, and this project adheres to Semantic Versioning.

[Unreleased]

Planned Features

- Mobile app (Android/iOS)
 - AI chatbot support
 - Advanced BI dashboard
 - HRIS integration
 - Multi-bahasa support
-

[2.0.0] - 2026-01-17

Added

- **Document Generator** with auto-numbering & QR verification
 - Template surat resmi (Undangan, SK, Pernyataan, dll)
 - Penomoran otomatis (SEQ/KODE/BULAN/TAHUN)
 - QR Code untuk validasi keaslian dokumen
 - Arsip surat terbit with edit & reprint capability
 - Filter dokumen by type, date, status

- **Bank Reconciliation** module
 - Import mutasi bank from Excel
 - Auto-matching dengan journal entries
 - Reconciliation report
- **Member Card** digital with QR code
 - Generate kartu anggota dengan QR
 - Print-ready format (ATM card size)
 - QR scan integration di POS
- **Organization Management** enhancements
 - Buku Inventaris Aset (compliance UU Koperasi)
 - Buku Risalah Rapat
 - Buku Daftar Pengurus
- **Aspirasi Anggota** feature
 - Member feedback system
 - Category-based classification
 - Admin response tracking
- **Polling & Voting** system
 - Create surveys/voting
 - Real-time results
 - Anonymous voting option

Changed

- Upgrade Laravel 10.x → 11.x
- UI/UX improvements for better user experience
- Performance optimization (query caching, eager loading)
- Mobile responsiveness enhanced
- Dark mode refinement

Fixed

- N+1 query issues di multiple modules
- CSRF token mismatch di long sessions
- Email notification delays
- Session timeout issues
- Image upload size limit errors

Security

- Updated all dependencies for security patches
 - Enhanced RBAC (Role-Based Access Control)
 - Password encryption strengthened
 - Audit logging improvements
-

[1.5.0] - 2025-12-20

Added

- **Midtrans Payment Gateway** integration
 - QRIS support
 - E-wallet (GoPay, OVO, Dana, LinkAja)
 - Credit/Debit card
 - Virtual account
- **WhatsApp Notification** system

- Loan approval/reject notification
- Payment reminders (H-3 before due date)
- SHU distribution announcement
- Custom broadcast to all members
- **Voucher & Promo** management
 - Percentage discount
 - Fixed amount discount
 - Min purchase requirement
 - Usage quota & tracking
- **Consignment (Titip Jual)** module
 - Inbound consignment products
 - Commission calculation
 - Settlement with suppliers
- **Stock Opname** feature
 - Physical vs system stock comparison
 - Variance analysis
 - Auto-adjustment with journal entry

Changed

- Simpanan module refactored for better performance
- Dashboard charts updated with Chart.js 4.x
- Tailwind CSS upgraded to v3.4

Fixed

- Credit limit calculation error
 - SHU distribution rounding issues
 - PDF generation timeout for large documents
-

[1.0.0] - 2025-11-15

Added - Initial Release

Core Features

- **User Management & Authentication**
 - Multi-role support (Admin, Pengurus, Manager Toko, Anggota)
 - Email verification
 - Password reset
 - Profile management
- **Keuangan (Finance) Module**
 - **Simpanan:** Pokok, Wajib, Sukarela with real-time tracking
 - **Pinjaman:** Online submission with digital signature
 - **Simulasi Pinjaman:** Calculator with 3 methods (Flat, Efektif, Anuitas)
 - **Angsuran:** Payment tracking with auto-reminder
 - **Penarikan:** Multi-level approval workflow
 - **SHU:** Auto-calculation & distribution
- **Koperasi Mart (Commerce) Module**
 - **POS:** Digital cashier with barcode scanner
 - **Product Management:** Multi-category catalog
 - **Inventory:** Real-time stock tracking
 - **Sales History:** Comprehensive analytics
 - **Credit Reports:** Member credit tracking

- **Purchasing:** PO & GRN management
 - **Supplier Management:** Vendor database
 - **Expenses:** Operational cost tracking
- **Belanja (Member Shopping) Module**
 - Product catalog browsing
 - Personal transaction history
 - Credit balance tracking
- **Accounting Module**
 - Chart of Accounts (COA)
 - Journal entries (manual)
 - Account categories
 - Posting to ledger
- **Reporting Module**
 - Financial reports (Balance Sheet, Income Statement)
 - Operational reports (Sales, Inventory)
 - Member reports
 - Export to Excel/PDF
- **Communication Module**
 - Announcements broadcast
 - AD/ART digital library
 - System documentation
 - UAT & bug reporting
- **Administration Module**
 - Master data management
 - Roles & permissions (RBAC)
 - Settings configuration
 - Backup & restore
 - Audit logs

Technical Features

- Laravel 10.x framework
 - Alpine.js + Tailwind CSS frontend
 - MySQL 8.0 database
 - DomPDF for document generation
 - Laravel Sanctum authentication
 - SMTP email integration
 - Cloud backup to Google Drive
-

[0.5.0-beta] - 2025-10-01

Added

- Beta testing release
 - Core infrastructure setup
 - Basic dashboard
 - Member management MVP
 - Simpanan & Pinjaman MVP
-

Version History Summary

Version	Release Date	Status	Highlights
2.0.0	2026-01-17	Current	Document Generator, Bank Reconciliation
1.5.0	2025-12-20	Stable	Payment Gateway, WhatsApp, Vouchers
1.0.0	2025-11-15	Stable	Initial Production Release
0.5.0-beta	2025-10-01	Beta	MVP Testing

Upgrade Guide

From 1.5.0 to 2.0.0

```

# 1. Backup database
php artisan backup:run

# 2. Pull latest code
git pull origin main

# 3. Update dependencies
composer install
npm install && npm run build

# 4. Run migrations
php artisan migrate

# 5. Clear cache
php artisan config:clear
php artisan route:clear
php artisan view:clear

# 6. Restart services
sudo systemctl restart php8.2-fpm
sudo systemctl restart nginx

```

Breaking Changes: - Laravel 11.x requires PHP 8.2+ - Updated Eloquent relationship declarations - New middleware for document access control

New Config Required:

```

# Add to .env
APP_TIMEZONE=Asia/Jakarta

```

Migration Notes

Database Changes (2.0.0)

New Tables: - document_templates - Template surat - generated_documents - Arsip surat terbit - bank_transactions - Import mutasi bank - organization_assets - Inventaris aset - organization_meetings - Risalah rapat - organization_profiles - Daftar pengurus - member_aspirations - Aspirasi anggota - polls, poll_options, poll_votes - Polling system

Modified Tables: - `members`: Added `photo` column - `settings`: New keys for document numbering - `generated_documents`: Added `reference_type`, `reference_id`

Support & Contributing

Report Bugs: - GitHub Issues: github.com/your-org/koperasi/issues - Email: bugs@kopkarskf.com

Feature Requests: - GitHub Discussions: github.com/your-org/koperasi/discussions - Email: features@kopkarskf.com

Security Vulnerabilities: - Email: security@kopkarskf.com - PGP Key: Available on request

License

This project is licensed under the MIT License - see the LICENSE file for details.

Maintained by: Development Team

Last Updated: 17 January 2026

Next Release: v2.1.0 (Planned: Q2 2026)