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1 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](#).

1.1 [Unreleased]

1.1.1 Planned Features

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

1.2 [2.0.0] - 2026-01-17

1.2.1 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

1.2.2 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

1.2.3 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

1.2.4 Security

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

1.3 [1.5.0] - 2025-12-20

1.3.1 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

1.3.2 Changed

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

1.3.3 Fixed

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

1.4 [1.0.0] - 2025-11-15

1.4.1 Added - Initial Release

1.4.1.1 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

1.4.1.2 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
-

1.5 [0.5.0-beta] - 2025-10-01

1.5.1 Added

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

1.6 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

1.7 Upgrade Guide

1.7.1 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
```

1.8 Migration Notes

1.8.1 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`

1.9 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

1.10 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)