

Contents

1	TROUBLESHOOTING GUIDE	1
1.1	Common Issues & Solutions	1
1.1.1	Installation Issues	1
1.1.2	Database Issues	2
1.1.3	Storage & Permission Issues	3
1.1.4	Web Server Issues	4
1.1.5	Email Issues	5
1.1.6	Payment Gateway Issues	6
1.1.7	WhatsApp Integration Issues	7
1.1.8	Image Upload Issues	8
1.1.9	Authentication Issues	8
1.1.10	Performance Issues	9
1.1.11	Emergency Quick Fixes	10
1.2	Getting Help	10
1.2.1	Sebelum Kontak Support	10
1.2.2	Kontak Support	11
1.3	Useful Commands Cheat Sheet	11

1 TROUBLESHOOTING GUIDE

1.1 Common Issues & Solutions

1.1.1 Installation Issues

1.1.1.1 1. Composer Install Failed Error: Your requirements could not be resolved to an installable set of packages

Solutions:

Update Composer

```
composer self-update
```

Clear Composer cache

```
composer clear-cache
```

Install dengan ignore platform requirements (temporary)

```
composer install --ignore-platform-reqs
```

Update dependencies

```
composer update
```

1.1.1.2 2. PHP Extension Missing Error: ext-xxx is missing from your system

Solutions:

Windows (XAMPP/Laragon): 1. Edit php.ini 2. Uncomment extension (hapus ;) ;extension=gd → extension=gd 3. Restart Apache

Daftar Isi

1 PANDUAN PEMECAHAN MASALAH 1

1.1 Masalah Umum & Solusi	1
1.1.1 Masalah Instalasi	1
1.1.2 Masalah Database	2
1.1.3 Masalah Penyimpanan & Izin	3
1.1.4 Masalah Server Web	4
1.1.5 Masalah Email	5
1.1.6 Masalah Gerbang Pembayaran	6
1.1.7 Masalah Integrasi WhatsApp	7
1.1.8 Masalah Unggah Gambar	8
1.1.9 Masalah Autentikasi	8
1.1.10 Masalah Kinerja	9
1.1.11 Perbaikan Cepat Darurat	10
1.2 Mendapatkan Bantuan	10
1.2.1 Sebelum Menghubungi Dukungan	10
1.2.2 Menghubungi Dukungan	11
1.3 Lembar Cheat Perintah Berguna	11

1 PANDUAN PENYELESAIAN MASALAH

1.1 Masalah Umum & Solusi

1.1.1 Masalah Instalasi

1.1.1.1 1. Kesalahan Gagal Instal Composer: Persyaratan Anda tidak dapat diselesaikan menjadi set paket yang dapat diinstal

Solusi:

Perbarui Composer

composer self-update

Hapus cache Composer

composer clear-cache

Instal dengan mengabaikan persyaratan platform (sementara)

composer install --ignore-platform-reqs

Perbarui ketergantungan

composer update

1.1.1.2 2. Kesalahan Ekstensi PHP Hilang: ext-xxx hilang dari sistem AndaSolusi:

Windows (XAMPP/Laragon): 1. Edit php.ini 2. Hapus komentar ekstensi (hapus ;):
;extension=gd → extension=gd 3. Restart Apache

Ubuntu/Debian:

```
sudo apt-get install php8.2-xxx  
sudo systemctl restart php8.2-fpm
```

macOS:

```
brew install php@8.2  
brew install php-xxx
```

1.1.1.3 3. npm install Gagal Error: EACCES: permission denied

Solutions:

```
# Fix NPM permissions  
sudo chown -R $USER:$(id -gn $USER) ~/.npm  
sudo chown -R $USER:$(id -gn $USER) ~/.config  
  
# Atau gunakan nvm (recommended)  
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.0/install.sh | bash  
nvm install 20  
nvm use 20
```

1.1.2 Database Issues

1.1.2.1 1. Migration Failed Error: SQLSTATE[HY000] [1049] Unknown database

Solutions:

```
# 1. Pastikan database sudah dibuat  
mysql -u root -p  
CREATE DATABASE koperasi;  
exit;  
  
# 2. Check .env file  
DB_DATABASE=koperasi  
DB_USERNAME=root  
DB_PASSWORD=your_password  
  
# 3. Clear config cache  
php artisan config:clear  
  
# 4. Retry migration  
php artisan migrate
```

1.1.2.2 2. Foreign Key Constraint Error Error: SQLSTATE[HY000]: General error: 1215 Cannot add foreign key constraint

Ubuntu/Debian:

```
sudo apt-get install php8.2-xxxsudo  
systemctl restart php8.2-fpm
```

macOS:

```
brew install php@  
8.2brew install php-xxx
```

1.1.1.3 3. npm install Gagal Error: EACCES: permission

deniedSolutions:

Perbaiki izin NPM

```
sudo chown -R $USER:$(id -gn $USER) ~/.npm  
chown -R $USER:$(id -gn $USER) ~/.config
```

Atau gunakan nvm (disarankan)

```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.0/install.sh | bash  
nvm install 20  
nvm use 20
```

1.1.2 Masalah Database

1.1.2.1 1. Kesalahan Migrasi Gagal: SQLSTATE[HY000] [1049] Database tidak

dikenalSolusi:

1. Pastikan database sudah dibuat

```
mysql -u root -p  
CREATE DATABASE  
koperasi;exit;
```

2. Periksa file .env

```
DB_DATABASE=koperasi  
DB_USERNAME=root  
DB_PASSWORD=your_password
```

3. Hapus cache konfigurasi

```
php artisan config:clear
```

4. Coba lagi migrasi

```
php artisan migrate
```

1.1.2.2 2. Kesalahan Pembatasan Kunci Asing Kesalahan: SQLSTATE[HY000] : Kesalahan umum :
1215 Tidak dapat menambahkan pembatasan kunci asing

Solutions:

Fresh migration (PERHATIAN: Hapus semua data!)

```
php artisan migrate:fresh
```

Atau rollback dan migrate ulang

```
php artisan migrate:rollback
```

```
php artisan migrate
```

Preventif: - Pastikan parent table sudah ada sebelum child table - Tipe data foreign key harus sama dengan primary key - Collation harus sama

1.1.2.3 3. Database Connection Refused Error: SQLSTATE[HY000] [2002] Connection refused

Solutions:

1. Check MySQL service

```
sudo systemctl status mysql # Linux
```

```
brew services list # macOS
```

2. Start MySQL

```
sudo systemctl start mysql # Linux
```

```
brew services start mysql # macOS
```

```
net start MySQL # Windows
```

3. Check host & port di .env

```
DB_HOST=127.0.0.1 # bukan 'localhost'
```

```
DB_PORT=3306
```

4. Ping MySQL

```
mysql -h 127.0.0.1 -u root -p
```

1.1.3 Storage & Permission Issues

1.1.3.1 1. Permission Denied (storage/logs) Error: The stream or file "storage/logs/laravel.log" could not be opened

Solutions:

Linux/macOS:

Fix permissions

```
sudo chmod -R 775 storage
```

```
sudo chmod -R 775 bootstrap/cache
```

Set ownership

```
sudo chown -R www-data:www-data storage bootstrap/cache
```

Solusi:

Migrasi segar (PERHATIAN: Hapus semua data!)

php artisan migrate:fresh

Atau rollback dan migrasi ulang

php artisan migrate:rollbackphp

artisan migrate

Preventif: - Pastikan tabel induk sudah ada sebelum tabel anak - Tipe data kunci asing harus sama dengan kunci utama - Collation harus sama

1.1.2.3 3. Kesalahan Koneksi Database Ditolak: SQLSTATE [HY000] [2002] Koneksi ditolak

Solusi:

1. Periksa layanan MySQL

sudo systemctl status
mysqlbrew services list

*# Linux#
macOS*

2. Mulai MySQL

sudo systemctl start
mysqlbrew services start
mysqlnet start MySQL

*# Linux#
macOS#
Windows*

3. Periksa host & port di .envDB_HOST=
127.0.0.1 # bukan 'localhost' DB_PORT=
3306

4. Ping MySQL

mysql -h 127.0.0.1 -u root -p

1.1.3 Masalah Penyimpanan & Izin

1.1.3.1 1. Izin Ditolak (storage/logs) Kesalahan: Aliran atau file "storage/logs/laravel.log tidak dapat dibuka

Solusi:Linux/

macOS:

Perbaiki izin

sudo chmod -R 775 storage

sudo chmod -R 775 bootstrap/cache

Atur kepemilikan

sudo chown -R www-data:www-data storage bootstrap/cache

Atau user Anda

```
sudo chown -R $USER:$USER storage bootstrap/cache
```

Windows: Klik kanan folder storage → Properties → Security → Edit → Full Control

1.1.3.2 2. Symlink Failed Error: symlink(): Protocol error

Solutions:

Windows:

Run as Administrator

```
php artisan storage:link
```

Atau manual

```
cd public
```

```
mklink /D storage ..\storage\app\public
```

Linux/macOS:

Hapus symlink lama (jika ada)

```
rm public/storage
```

Buat baru

```
php artisan storage:link
```

1.1.4 Web Server Issues

1.1.4.1 1. 404 Not Found (selain homepage) Error: Halaman selain / return 404

Solutions:

Apache (.htaccess):

Pastikan mod_rewrite enabled

```
sudo a2enmod rewrite
```

```
sudo systemctl restart apache2
```

File public/.htaccess harus ada

```
<IfModule mod_rewrite.c>
```

```
    RewriteEngine On
```

```
    RewriteRule ^(.*)$ index.php [L]
```

```
</IfModule>
```

Nginx:

```
location / {
```

```
    try_files $uri $uri/ /index.php?$query_string;
```

```
}
```

Atau pengguna Anda

```
sudo chown -R $USER:$USER storage bootstrap/cache
```

Windows: Klik kanan folder storage → Properties → Security → Edit → Full Control

1.1.3.2 2. Kesalahan Symlink Gagal: symlink() : Kesalahan protokol

Solusi:

Windows:

Jalankan sebagai Administrator

```
php artisan storage:link
```

Atau manual

```
cd public
```

```
mklink /D storage ..\storage\app\public
```

Linux/macOS:

Hapus symlink lama (jika ada)

```
rm public/storage
```

Buat baru

```
php artisan storage:link
```

1.1.4 Web Server Issues1.1.4.1 1. 404 Not Found (selain homepage) Error: Halaman

selain / return 404

Solutions:Apache

(.htaccess):

Pastikan mod_rewrite enabled

```
sudo a2enmod rewrite
```

```
sudo systemctl restart apache2
```

File public/.htaccess harus ada

```
<IfModule mod_rewrite.c>  
RewriteEngine On
```

```
    RewriteRule ^(.*)$ index.php [L]  
</IfModule>
```

Nginx:

```
location / {
```

```
    try_files $uri $uri/ /index.php?$query_string;  
}
```

1.1.4.2 2. 500 Internal Server Error Error: White screen atau generic 500 error

Solutions:

```
# 1. Enable debug mode (DEVELOPMENT ONLY!)
# Edit .env
APP_DEBUG=true

# 2. Check Laravel log
tail -f storage/logs/laravel.log

# 3. Check PHP error log
tail -f /var/log/php8.2-fpm.log # Linux
tail -f /usr/local/var/log/php-fpm.log # macOS

# 4. Clear cache
php artisan cache:clear
php artisan config:clear
php artisan view:clear

# 5. Fix autoload
composer dump-autoload
```

1.1.4.3 3. CSRF Token Mismatch Error: 419 | Page Expired saat submit form

Solutions:

```
# 1. Clear browser cache & cookies
# 2. Check session config di .env
SESSION_DRIVER=file # atau database/redis
SESSION_LIFETIME=120

# 3. Pastikan domain sama
APP_URL=https://kopkarskf.com
SESSION_DOMAIN=.kopkarskf.com

# 4. Clear cache
php artisan cache:clear
php artisan config:clear
```

1.1.5 Email Issues

1.1.5.1 1. Email Tidak Terkirim Error: Silent fail atau timeout

Solutions:

1.1.4.2 2. 500 Internal Server Error Error: Layar putih atau kesalahan 500

generikSolusi:

1. Aktifkan mode debug (HANYA UNTUK PENGEMBANGAN!)# Edit .env
APP_DEBUG=true

2. Periksa log Laravel
tail -f storage/logs/laravel.log

3. Periksa log kesalahan PHP
tail -f /var/log/php8.2-fpm.log # Linux
tail -f /usr/local/var/log/php-fpm.log # macOS

4. Hapus cache
php artisan cache:clearphp
artisan config:clearphp
artisan view:clear

5. Perbaiki autoload
composer dump-autoload

1.1.4.3 3. Kesalahan Token CSRF Tidak Cocok: 419 | Halaman Kedaluwarsa saat mengirim formulirSolusi:

1. Hapus cache & cookies browser
2. Periksa konfigurasi sesi di
.envSESSION_DRIVER=file # atau
database/redisSESSION_LIFETIME=120

3. Pastikan domain sama
APP_URL=https://kopkarskf.com
SESSION_DOMAIN=.kopkarskf.com

4. Hapus cache
php artisan cache:clearphp
artisan config:clear

1.1.5 Masalah Email

1.1.5.1 1. Email Tidak Terkirim Error: Silent fail atau

timeoutSolusi:

```
# 1. Test SMTP connection
php artisan tinker
Mail::raw('Test', function($m) {
    $m->to('test@example.com')->subject('Test');
});
exit;

# 2. Check .env
MAIL_MAILER=smtp
MAIL_HOST=smtp.gmail.com
MAIL_PORT=587
MAIL_USERNAME=your_email@gmail.com
MAIL_PASSWORD=your_app_password # bukan password biasa!
MAIL_ENCRYPTION=tls

# 3. Gmail: Enable "Less secure app access"
# Atau gunakan App Password:
# https://myaccount.google.com/apppasswords
```

Alternative SMTP: - SendGrid: Free 100 emails/day - Mailtrap: Development testing - Mailgun: Production

1.1.5.2 2. Queue Job Stuck Error: Email masuk queue tapi tidak terkirim

Solutions:

```
# 1. Check queue table
mysql -u root -p koperasi
SELECT * FROM jobs ORDER BY id DESC LIMIT 10;
exit;

# 2. Clear failed jobs
php artisan queue:flush

# 3. Restart queue worker
php artisan queue:restart
php artisan queue:work --tries=3

# 4. Check queue driver di .env
QUEUE_CONNECTION=database # atau redis/sync
```

1.1.6 Payment Gateway Issues

1.1.6.1 1. Midtrans Callback Failed Error: Payment success tapi status tidak update

Solutions:

1. Uji koneksi SMTP

php artisan tinker

```
Mail::raw('Test', function($m) {  
    $m->to('test@example.com')->subject('Test') ;  
});  
exit;
```

2. Periksa .env

MAIL_MAILER=smtp

MAIL_HOST=smtp.gmail.com

MAIL_PORT=587

MAIL_USERNAME=your_email@gmail.comMAIL_PASSWORD=
your_app_password # bukan password biasa!

MAIL_ENCRYPTION=tls

3. Gmail: Aktifkan "Akses aplikasi yang kurang
aman"# Atau gunakan App Password: #
<https://myaccount.google.com/apppasswords>

Alternatif SMTP: - SendGrid: Gratis 100 email/hari - Mailtrap: Pengujian pengembangan -
Mailgun:Produksi

1.1.5.2 2. Kesalahan Antrian Pekerjaan Terjebak: Email masuk antrian

tapi tidak terkirimSolusi:

1. Periksa tabel antrian

mysql -u root -p koperasi

```
SELECT * FROM jobs ORDER BY id DESC LIMIT  
10;exit;
```

2. Hapus pekerjaan yang gagal

php artisan queue:flush

3. Mulai ulang pekerja antrian

php artisan queue:restartphp artisan

queue:work --tries=3

4. Periksa driver antrian di .env

QUEUE_CONNECTION=database # atau redis/sync

1.1.6 Masalah Gateway Pembayaran

1.1.6.1 1. Kesalahan Callback Midtrans Gagal: Pembayaran berhasil tapi status

tidak terupdateSolusi:

```

# 1. Check webhook URL
# Midtrans Dashboard > Settings > Configuration
# Notification URL: https://kopkarskf.com/api/midtrans/callback

# 2. Check route
php artisan route:list | grep midtrans

# 3. Test dengan Postman
POST https://kopkarskf.com/api/midtrans/callback
Headers:
- Content-Type: application/json
Body: {...} # Sample dari Midtrans docs

# 4. Check log
tail -f storage/logs/laravel.log

```

1.1.6.2 2. Midtrans Snap Failed Error: Failed to load Snap token

Solutions:

```

# .env - Check credentials
MIDTRANS_SERVER_KEY=SB-Mid-server-xxx # Sandbox: SB-Mid-, Production: Mid-
MIDTRANS_CLIENT_KEY=SB-Mid-client-xxx
MIDTRANS_IS_PRODUCTION=false # true untuk production

# Clear config
php artisan config:clear

```

1.1.7 WhatsApp Integration Issues

1.1.7.1 1. WhatsApp Tidak Terkirim Solutions:

```

# 1. Check Fonnte balance & device status
# Login ke dashboard Fonnte

# 2. Test API
curl -X POST https://api.fonnte.com/send \
-H "Authorization: YOUR_TOKEN" \
-d "target=6281234567890&message=Test"

# 3. Check .env
WHATSAPP_API_TOKEN=your_fonnte_token
WHATSAPP_SENDER=6281234567890

# 4. Check code
tail -f storage/logs/laravel.log

```

1. Periksa URL webhook
Dasbor Midtrans > Pengaturan > Konfigurasi
URL Notifikasi: <https://kopkarskf.com/api/midtrans/callback>

2. Periksa rute
php artisan route:list | grep midtrans

3. Uji dengan Postman
POST <https://kopkarskf.com/api/midtrans/callback>
Headers:
- Content-Type: application/json
Body: { . . . } # Contoh dari dokumen Midtrans

4. Periksa log
tail -f storage/logs/laravel.log

1.1.6.2 2. Kesalahan Gagal Midtrans Snap: Gagal memuat token

SnapSolusi:

.env - Periksa kredensial
MIDTRANS_SERVER_KEY=SB-Mid-server-xxx # Sandbox: SB-Mid-, Produksi: Mid
MIDTRANS_CLIENT_KEY=SB-Mid-client-
xxxMIDTRANS_IS_PRODUCTION=false # true untuk produksi

Hapus configphp artisan
config:clear

1.1.7 Masalah Integrasi WhatsApp

1.1.7.1 1. WhatsApp Tidak Terkirim Solusi:

1. Periksa saldo Fonnte & status perangkat#
Masuk ke dashboard Fonnte

2. Uji API
curl -X POST <https://api.fonnte.com/send> \-H
"Authorization: YOUR_TOKEN" \
-d "target=6281234567890&message=Uji"

3. Periksa .env
WHATSAPP_API_TOKEN=your_fonnte_token
WHATSAPP_SENDER=6281234567890

4. Periksa kode
tail -f storage/logs/laravel.log

1.1.8 Image Upload Issues

1.1.8.1 1. Upload Failed (Max Size) Error: The file "xxx.jpg" exceeds your upload_max_filesize

Solutions:

```
# Edit php.ini
upload_max_filesize = 20M
post_max_size = 20M
max_execution_time = 300

# Restart web server
sudo systemctl restart php8.2-fpm
sudo systemctl restart nginx
```

1.1.8.2 2. Image Tidak Tampil Error: Broken image icon

Solutions:

```
# 1. Check storage symlink
ls -la public/storage # should point to ../storage/app/public

# 2. Recreate symlink
rm public/storage
php artisan storage:link

# 3. Check file permissions
chmod -R 775 storage/app/public

# 4. Check URL di .env
APP_URL=https://kopkarskf.com
```

1.1.9 Authentication Issues

1.1.9.1 1. Logout Otomatis (Session Expired) Solutions:

```
# .env - Extend session lifetime
SESSION_LIFETIME=720 # 12 hours (default: 120 = 2 hours)
SESSION_DRIVER=database # lebih stabil dari file

# Migrate session table
php artisan session:table
php artisan migrate
```

1.1.8 Masalah Unggah Gambar

1.1.8.1 1. Kesalahan Unggah Gagal (Ukuran Maks) : File "xxx.jpg" melebihi upload_max_filesize

Solusi:

```
# Edit php.ini
upload_max_filesize = 20M
post_max_size = 20M
max_execution_time = 300
```

```
# Restart server web
sudo systemctl restart php8.2-
fpm sudo systemctl restart nginx
```

1.1.8.2 2. Gambar Tidak Tampil Error: Ikon gambar

rusakSolusi:

```
# 1. Periksa symlink penyimpanan
ls -la public/storage # harus menunjuk ke ../storage/app/public
```

```
# 2. Buat ulang symlink
rm public/storage.php
artisan storage:link
```

```
# 3. Periksa izin file
chmod -R 775 storage/app/public
```

```
# 4. Periksa URL di .env
APP_URL=https://kopkarskf.com
```

1.1.9 Masalah Autentikasi

1.1.9.1 1. Solusi Logout Otomatis (Sesi Berakhir):

```
# .env - Perpanjang masa hidup sesi
SESSION_LIFETIME=720 # 12 jam (default: 120 = 2 jam)
SESSION_DRIVER=database # lebih stabil dari file
```

```
# Migrasi tabel sesi.php
artisan session:table.php
artisan migrate
```



```
# Clear old sessions
php artisan schedule:run # atau cron job
```

1.1.9.2 2. Cannot Login (Credentials Incorrect) Solutions:

```
# 1. Reset password via tinker
php artisan tinker
$user = App\Models\User::where('email', 'admin@koperasi.local')->first();
$user->password = bcrypt('newpassword');
$user->save();
exit;

# 2. Check email verified
UPDATE users SET email_verified_at = NOW() WHERE email = 'admin@koperasi.local';

# 3. Clear cache
php artisan cache:clear
```

1.1.10 Performance Issues

1.1.10.1 1. Aplikasi Lambat Solutions:

```
# 1. Enable caching (production)
php artisan config:cache
php artisan route:cache
php artisan view:cache

# 2. Optimize autoloader
composer install --optimize-autoloader --no-dev

# 3. Use Redis for cache
# .env
CACHE_DRIVER=redis
SESSION_DRIVER=redis

# 4. Enable OPcache
# php.ini
opcache.enable=1
opcache.memory_consumption=256
```

1.1.10.2 2. Query Lambat (N+1 Problem) Solutions:

```
// Bad
$members = Member::all();
foreach($members as $member) {
```

```
# Hapus sesi lama php  
artisan schedule:run # atau cron job
```

1.1.9.2 2. Tidak Dapat Masuk (Kredensial Salah) Solusi:

1. Atur ulang kata sandi melalui tinker

```
php artisan tinker
```

```
$user = App\Models\User::where('email', 'admin@koperasi.local')->first();  
$user->password = bcrypt('newpassword');  
$user->save();  
exit;
```

2. Periksa email yang terverifikasi

```
UPDATE users SET email_verified_at = NOW() WHERE email = 'admin@koperasi.local';
```

3. Hapus cache

```
php artisan cache:clear
```

1.1.10 Masalah Kinerja

1.1.10.1 1. Solusi Aplikasi Lambat:

1. Aktifkan caching (produksi)

```
php artisan config:cache
```

```
artisan route:cache
```

```
artisan view:cache
```

2. Optimalkan autoloader

```
composer install --optimize-autoloader --no-dev
```

3. Gunakan Redis untuk

```
cache# .env
```

```
CACHE_DRIVER=redis
```

```
SESSION_DRIVER=redis
```

4. Aktifkan

```
OPcache# php.ini
```

```
opcache.enable=1
```

```
opcache.memory_consumption=256
```

1.1.10.2 2. Solusi Query Lambat (Masalah N+1):

```
// Buruk
```

```
$members = Member::all();
```

```
foreach($members as $member) {
```

```

        echo $member->user->name; // N+1 query
    }

    // Good
    $members = Member::with('user')->get();
    foreach($members as $member) {
        echo $member->user->name;
    }

    // Debug queries
    php artisan debugbar:publish # Install Laravel Debugbar

```

1.1.11 Emergency Quick Fixes

Aplikasi Crash Total:

```

# 1. Put maintenance mode
php artisan down

# 2. Clear everything
php artisan cache:clear
php artisan config:clear
php artisan route:clear
php artisan view:clear
composer dump-autoload

# 3. Check log
tail -100 storage/logs/laravel.log

# 4. Restore from backup (if needed)
mysql -u root -p koperasi < backup.sql

# 5. Up again
php artisan up

```

1.2 Getting Help

1.2.1 Sebelum Kontak Support

1. Check error log: storage/logs/laravel.log
2. Google error message lengkap
3. Check Laravel documentation
4. Try solutions di guide ini
5. Catat step yang sudah dicoba

```

        echo $member->user->name; // N+1 query
    }

    // Baik
    $members = Member::with('user')->get();
    foreach($members as $member)
    {echo $member->user->name;
    }

    // Debug kueri
    php artisan debugbar:publish # Install Laravel Debugbar

```

1.1.11 Perbaikan Cepat Darurat

Aplikasi Crash Total:

1. Aktifkan mode pemeliharaan

php artisan down

2. Bersihkan semuanya

php artisan cache:clearphp

artisan config:clearphp

artisan route:clearphp

artisan view:clearcomposer

dump-autoload

3. Periksa log

tail -100 storage/logs/laravel.log

4. Pulihkan dari cadangan (jika diperlukan)

mysql -u root -p koperasi < backup.sql

5. Aktifkan kembali

php artisan up

1.2 Mendapatkan Bantuan

1.2.1 Sebelum Menghubungi Dukungan

1. Periksa log kesalahan: storage/logs/laravel.log
2. Google pesan kesalahan lengkap
3. Periksa dokumentasi Laravel
4. Coba solusi di panduan ini
5. Catat langkah yang sudah dicoba

1.2.2 Kontak Support

Sertakan informasi: - Laravel version: `php artisan --version` - PHP version: `php -v` - Error message lengkap - Screenshot (jika perlu) - Steps to reproduce

Email: support@kopkarskf.com

Response Time: < 24 jam (hari kerja)

1.3 Useful Commands Cheat Sheet

Clear cache

```
php artisan cache:clear
php artisan config:clear
php artisan route:clear
php artisan view:clear
```

Database

```
php artisan migrate
php artisan migrate:fresh --seed
php artisan migrate:rollback
php artisan db:seed
```

Queue

```
php artisan queue:work
php artisan queue:restart
php artisan queue:flush
```

Maintenance

```
php artisan down
php artisan up
```

Info

```
php artisan --version
php artisan route:list
php artisan config:show database
```

Last Updated: 17 Januari 2026

1.2.2 Kontak Support

Sertakan informasi: - Versi Laravel: `php artisan --version` - Versi PHP: `php -v` - Pesan kesalahan lengkap - Tangkapan layar (jika perlu) - Langkah-langkah untuk mereproduksi

Email: support@kopkarskf.com

Waktu Respons: < 24 jam (hari kerja)

1.3 Lembar Curang Perintah Berguna

Hapus cache

```
php artisan cache:clearphp  
artisan config:clearphp  
artisan route:clearphp  
artisan view:clear
```

Basis Data

```
php artisan migratephp artisan  
migrate:fresh --seedphp artisan  
migrate:rollbackphp artisan db:seed
```

Antrian

```
php artisan queue:workphp  
artisan queue:restartphp  
artisan queue:flush
```

Pemeliharaan

```
php artisan  
downphp artisan up
```

Info

```
php artisan --versionphp artisan  
route:listphp artisan config:show  
database
```

Terakhir Diperbarui: 17 Januari 2026