



## Modul Koordinator BK — SIB-K (CodeIgniter 4)

Berikut paket file & potongan kode untuk mengaktifkan **peran Koordinator BK** dengan dashboard, manajemen staf (Guru BK & Wali Kelas), dan laporan agregat. Setiap bagian sudah disiapkan agar **tidak mengganggu** modul lain dan mengikuti pola yang sudah ada di proyek.

### Struktur ringkas

- Controllers
    - `app/Controllers/Koordinator/BaseKoordinatorController.php`
    - `app/Controllers/Koordinator/DashboardController.php`
    - `app/Controllers/Koordinator/StaffController.php`
    - `app/Controllers/Koordinator/ReportController.php` (rangka)
  - Service
    - `app/Services/CoordinatorService.php`
  - Views
    - `app/Views/koordinator/dashboard.php`
    - `app/Views/koordinator/partials/_stats_cards.php`
    - `app/Views/koordinator/staff/index.php`
    - `app/Views/koordinator/staff/form.php`
  - Routes (tambahan)
    - Potongan untuk `app/Config/Routes.php`
  - Sidebar (opsional)
    - Potongan untuk `app/Views/layouts/partials/sidebar.php`
  - Seeder (opsional—jika role/permission belum ada)
    - Potongan untuk `app/Database/Seeds/RoleSeeder.php` & `RolePermissionSeeder.php`
- 

## 1) Controllers

### 1.1 `app/Controllers/Koordinator/BaseKoordinatorController.php`

```
<?php
```

```
namespace App\Controllers\Koordinator;
```

```
use App\Controllers\BaseController;
```

```
use App\Models\UserModel;
```

```
use App\Models\RoleModel;
```

```
abstract class BaseKoordinatorController extends BaseController
```

```
{
```

```
    protected $session;
```

```
    protected $currentUser;
```

```

    public function initController(\CodeIgniter\HTTP\IncomingRequest
$request, \CodeIgniter\HTTP\ResponseInterface $response,
\Psr\Log\LoggerInterface $logger)
    {
        parent::initController($request, $response, $logger);
        $this->session = service('session');

        // Pastikan sudah Login (AuthFilter juga mengawal di Routes)
        if (!$this->session->get('is_logged_in')) {
            return redirect()->to('/login');
        }

        // Ambil user & role
        $userId = $this->session->get('user_id');
        $userModel = new UserModel();
        $this->currentUser = $userModel->find($userId);

        if (!$this->currentUser) {
            $this->session->destroy();
            return redirect()->to('/login');
        }

        // Cek role name = 'Koordinator BK'
        $roleModel = new RoleModel();
        $role = $roleModel->find($this->currentUser['role_id'] ?? null);
        $roleName = $role['role_name'] ?? '';

        if (strtolower($roleName) !== 'koordinator bk') {
            // 403 agar konsisten dengan kebijakan RBAC
            throw
\CodeIgniter\Exceptions\PageForbiddenException::forPageForbidden();
        }
    }
}

```

1.2 app/Controllers/Koordinator/DashboardController.php

```

<?php
namespace App\Controllers\Koordinator;

use App\Services\CoordinatorService;

class DashboardController extends BaseKoordinatorController
{
    public function index()
    {
        $service = new CoordinatorService();

        $stats = $service->getQuickStats();
    }
}

```

```

        $recentActivities = $service->getRecentActivities(10);
        $violationsChart = $service->getViolationSummaryByLevel();

        return view('koordinator/dashboard', compact('stats',
'recentActivities', 'violationsChart'));
    }
}

```

### 1.3 app/Controllers/Koordinator/StaffController.php

CRUD ringkas untuk **Guru BK & Wali Kelas** (tanpa hapus permanen; gunakan nonaktifkan/aktifkan).

```

<?php
namespace App\Controllers\Koordinator;

use App\Models\UserModel;
use App\Models\RoleModel;
use CodeIgniter\HTTP\RedirectResponse;

class StaffController extends BaseKoordinatorController
{
    protected $userModel;
    protected $roleModel;

    public function __construct()
    {
        $this->userModel = new UserModel();
        $this->roleModel = new RoleModel();
    }

    /** List semua Guru BK & Wali Kelas */
    public function index()
    {
        $roles = $this->roleModel->whereIn('role_name', ['Guru BK', 'Wali
Kelas'])->findAll();
        $roleIds = array_column($roles, 'id');

        $staff = $this->userModel
            ->whereIn('role_id', $roleIds)
            ->orderBy('full_name', 'ASC')
            ->paginate(15);

        $pager = $this->userModel->pager;

        return view('koordinator/staff/index', compact('staff', 'pager'));
    }

    /** Form create */
    public function create()

```

```

    {
        $roles = $this->roleModel->whereIn('role_name', ['Guru BK', 'Wali
Kelas'])->findAll();
        return view('koordinator/staff/form', ['roles' => $roles]);
    }

    /** Simpan akun baru */
    public function store()
    {
        $data = $this->request->getPost();
        $rules = [
            'username' => 'required|min_length[4]|
is_unique[users.username]',
            'full_name' => 'required',
            'email' => 'permit_empty|valid_email|is_unique[users.email]',
            'password' => 'required|min_length[6]',
            'role_id' => 'required|integer',
        ];

        if (!$this->validate($rules)) {
            return redirect()->back()->withInput()->with('error', 'Validasi
gagal.')->with('errors', $this->validator->getErrors());
        }

        // Hash password
        $data['password'] = password_hash($data['password'],
PASSWORD_DEFAULT);
        $data['is_active'] = 1;

        $this->userModel->insert($data);
        return redirect()->to(route_to('koordinator.staff.index'))-
>with('success', 'Akun berhasil dibuat.');
```

```

    }

    /** Form edit */
    public function edit(int $id)
    {
        $user = $this->userModel->find($id);
        if (!$user) {
            return redirect()->back()->with('error', 'Pengguna tidak
ditemukan.');
```

```

        }
        $roles = $this->roleModel->whereIn('role_name', ['Guru BK', 'Wali
Kelas'])->findAll();
        return view('koordinator/staff/form', compact('user', 'roles'));
    }

```

```

    /** Update akun */
    public function update(int $id)

```

```

{
    $user = $this->userModel->find($id);
    if (!$user) {
        return redirect()->back()->with('error', 'Pengguna tidak
ditemukan.');
```

```
    }

    $data = $this->request->getPost();
    $rules = [
        'username' => 'required|min_length[4]|
is_unique[users.username,id,{id}]',
        'full_name' => 'required',
        'email' => 'permit_empty|valid_email|
is_unique[users.email,id,{id}]',
        'role_id' => 'required|integer',
    ];
    $rules = str_replace('{id}', (string)$id, $rules);

    if (!$this->validate($rules)) {
        return redirect()->back()->withInput()->with('error', 'Validasi
gagal.')->with('errors', $this->validator->getErrors());
    }

    // Optional ganti password
    if (!empty($data['password'])) {
        $data['password'] = password_hash($data['password'],
PASSWORD_DEFAULT);
    } else {
        unset($data['password']);
    }

    $this->userModel->update($id, $data);
    return redirect()->to(route_to('koordinator.staff.index'))-
>with('success', 'Akun diperbarui.');
```

```
    }

    /** Aktif/Nonaktifkan akun */
    public function toggleActive(int $id): RedirectResponse
    {
        $user = $this->userModel->find($id);
        if (!$user) {
            return redirect()->back()->with('error', 'Pengguna tidak
ditemukan.');
```

```
        }
        $this->userModel->update($id, ['is_active' => (int)!
$user['is_active']]);
        return redirect()->back()->with('success', 'Status akun diubah.');
```

```
    }
}

```

#### 1.4 app/Controllers/Koordinator/ReportController.php (rangka)

```
<?php
namespace App\Controllers\Koordinator;

use App\Services\CoordinatorService;

class ReportController extends BaseKoordinatorController
{
    public function index()
    {
        $service = new CoordinatorService();
        $summary = $service->getSchoolWideSummary();
        return view('koordinator/reports/index', compact('summary'));
    }

    // Tambahkan endpoint export PDF/Excel bila sudah ada ExportService
}
```

---

## 2) Service

app/Services/CoordinatorService.php

```
<?php
namespace App\Services;

use App\Models\UserModel;
use App\Models\StudentModel;
use App\Models\CounselingSessionModel;
use App\Models\ViolationModel;
use App\Models\RoleModel;
use CodeIgniter\Database\BaseConnection;

class CoordinatorService
{
    protected BaseConnection $db;

    public function __construct()
    {
        $this->db = \Config\Database::connect();
    }

    public function getQuickStats(): array
    {
        $studentModel = new StudentModel();
        $sessionModel = new CounselingSessionModel();
        $violationModel = new ViolationModel();
        $userModel = new UserModel();
        $roleModel = new RoleModel();
    }
}
```

```

        $totalStudents = $studentModel->countAllResults();

        $roles = $roleModel->whereIn('role_name', ['Guru BK', 'Wali Kelas'])->findAll();
        $roleIds = array_column($roles, 'id');
        $totalStaff = $userModel->whereIn('role_id', $roleIds)->countAllResults();

        $activeCases = $violationModel->where('status !=', 'Selesai')->countAllResults();
        $totalSessions = $sessionModel->countAllResults();

        return compact('totalStudents', 'totalStaff', 'activeCases', 'totalSessions');
    }

    public function getViolationSummaryByLevel(): array
    {
        $builder = $this->db->table('violations v')
            ->select('v.level, COUNT(*) as total')
            ->groupBy('v.level')
            ->orderBy('FIELD(v.level, "Ringan","Sedang","Berat")', '',
false);
        return $builder->get()->getResultArray();
    }

    public function getRecentActivities(int $limit = 10): array
    {
        // Contoh: gabungan 2 sumber aktivitas, sesuaikan dengan tabel aktual
        $sql = "(
            SELECT 'session' AS type, session_date AS created_at,
CONCAT('Sesi konseling #', id) AS message
            FROM counseling_sessions
            ORDER BY session_date DESC
            LIMIT {$limit}
        )";
        return $this->db->query($sql)->getResultArray();
    }

    public function getSchoolWideSummary(): array
    {
        // Placeholder ringkas; Lengkapi sesuai kebutuhan Laporan agregat
        return [
            'violations_by_level' => $this->getViolationSummaryByLevel(),
            'quick_stats'         => $this->getQuickStats(),
        ];
    }
}

```

---

### 3) Views

#### 3.1 app/Views/koordinator/dashboard.php

```
<?= $this->extend('layouts/main'); ?>
<?= $this->section('content'); ?>

<div class="container-fluid">
    <div class="row">
        <div class="col-12">
            <div class="card welcome-card mb-4">
                <div class="card-body">
                    <h4 class="mb-1">Dashboard Koordinator BK</h4>
                    <p class="mb-0 text-white-50">Ringkasan statistik sekolah &
aktivitas terkini</p>
                </div>
            </div>
        </div>
    </div>
</div>

<?= view('koordinator/partials/_stats_cards', ['stats' => $stats ?? []]); ?
>

<div class="row">
    <div class="col-xl-7">
        <div class="card">
            <div class="card-header d-flex align-items-center justify-content-
between">
                <h5 class="mb-0">Ringkasan Pelanggaran</h5>
            </div>
            <div class="card-body">
                <div class="table-responsive">
                    <table class="table table-sm table-striped">
                        <thead><tr><th>Level</th><th>Total</th></tr></thead>
                        <tbody>
                            <?php foreach(($violationsChart ?? []) as $row): ?>
                                <tr>
                                    <td><?= esc($row['level']) ?? '-' ?></td>
                                    <td><?= esc($row['total']) ?? 0 ?></td>
                                </tr>
                            <?php endforeach; ?>
                        </tbody>
                    </table>
                </div>
            </div>
        </div>
    </div>
</div>
</div>
```



```

<div class="col-xl-5">
  <div class="card">
    <div class="card-header"><h5 class="mb-0">Aktivitas
Terbaru</h5></div>
    <div class="card-body">
      <?php if (!empty($recentActivities)): ?>
        <ul class="list-unstyled mb-0">
          <?php foreach($recentActivities as $a): ?>
            <li class="mb-2">
              <span class="badge bg-info me-2"><?= esc($a['type']) ?
></span>
              <small class="text-muted me-2"><?= esc($a['created_at']) ?
></small>
              <?= esc($a['message']) ?>
            </li>
          <?php endforeach; ?>
        </ul>
      <?php else: ?>
        <p class="text-muted mb-0">Belum ada aktivitas.</p>
      <?php endif; ?>
    </div>
  </div>
</div>
</div>
</div>
</div>
</div>

<?= $this->endSection(); ?>

```

### 3.2 app/Views/koordinator/partials/\_stats\_cards.php

```

<div class="row">
  <div class="col-md-3">
    <div class="card bg-role-koordinator mb-4">
      <div class="card-body">
        <h6 class="text-muted mb-1">Total Siswa</h6>
        <h3 class="mb-0"><?= esc($stats['totalStudents'] ?? 0) ?></h3>
      </div>
    </div>
  </div>
  <div class="col-md-3">
    <div class="card bg-role-koordinator mb-4">
      <div class="card-body">
        <h6 class="text-muted mb-1">Total Staf (BK & Wali)</h6>
        <h3 class="mb-0"><?= esc($stats['totalStaff'] ?? 0) ?></h3>
      </div>
    </div>
  </div>
  <div class="col-md-3">
    <div class="card bg-role-koordinator mb-4">
      <div class="card-body">

```

```

        <h6 class="text-muted mb-1">Kasus Aktif</h6>
        <h3 class="mb-0"><?= esc($stats['activeCases'] ?? 0) ?></h3>
    </div>
</div>
</div>
<div class="col-md-3">
    <div class="card bg-role-koordinator mb-4">
        <div class="card-body">
            <h6 class="text-muted mb-1">Total Sesi</h6>
            <h3 class="mb-0"><?= esc($stats['totalSessions'] ?? 0) ?></h3>
        </div>
    </div>
</div>
</div>

```

### 3.3 app/Views/koordinator/staff/index.php

```

<?= $this->extend('layouts/main'); ?>
<?= $this->section('content'); ?>
<div class="container-fluid">
    <div class="d-flex align-items-center justify-content-between mb-3">
        <h4 class="mb-0">Manajemen Staf (Guru BK & Wali Kelas)</h4>
        <a href="<?= route_to('koordinator.staff.create'); ?>" class="btn btn-primary">Tambah Akun</a>
    </div>

    <div class="card">
        <div class="table-responsive">
            <table class="table table-hover align-middle mb-0">
                <thead>
                    <tr>
                        <th>#</th>
                        <th>Nama</th>
                        <th>Username</th>
                        <th>Email</th>
                        <th>Status</th>
                        <th style="width:180px">Aksi</th>
                    </tr>
                </thead>
                <tbody>
                    <?php $no = 1; foreach (($staff ?? []) as $u): ?>
                        <tr>
                            <td><?= $no++; ?></td>
                            <td><?= esc($u['full_name']); ?></td>
                            <td><?= esc($u['username']); ?></td>
                            <td><?= esc($u['email']); ?></td>
                            <td>
                                <?php if ((int)($u['is_active'] ?? 0) === 1): ?>
                                    <span class="badge bg-success">Aktif</span>
                                <?php else: ?>

```

```

        <span class="badge bg-secondary">Nonaktif</span>
    <?php endif; ?>
</td>
<td>
    <a class="btn btn-sm btn-outline-primary" href="<?=
route_to('koordinator.staff.edit', $u['id']); ?>">Edit</a>
    <form class="d-inline" method="post" action="<?=
route_to('koordinator.staff.toggle', $u['id']); ?>">
        <?= csrf_field(); ?>
        <button type="submit" class="btn btn-sm btn-outline-
warning">Toggle</button>
    </form>
</td>
</tr>
<?php endforeach; ?>
</tbody>
</table>
</div>
</div>

<div class="mt-3">
    <?= $pager->links(); ?>
</div>
</div>
<?= $this->endSection(); ?>

```

### 3.4 app/Views/koordinator/staff/form.php

```

<?= $this->extend('layouts/main'); ?>
<?= $this->section('content'); ?>
<div class="container-fluid">
    <div class="row">
        <div class="col-lg-8">
            <div class="card">
                <div class="card-header"><h5 class="mb-0"><?= isset($user) ? 'Edit
Akun' : 'Tambah Akun'; ?></h5></div>
                <div class="card-body">
                    <form method="post" action="<?= isset($user) ?
route_to('koordinator.staff.update', $user['id']) :
route_to('koordinator.staff.store'); ?>">
                        <?= csrf_field(); ?>

                        <div class="mb-3">
                            <label class="form-label">Nama Lengkap</label>
                            <input type="text" name="full_name" class="form-control"
value="<?= esc($user['full_name']) ?? old('full_name'); ?>" required>
                        </div>

                        <div class="mb-3">
                            <label class="form-label">Username</label>

```

```

        <input type="text" name="username" class="form-control"
value="<?= esc($user['username'] ?? old('username')); ?>" required>
    </div>

    <div class="mb-3">
        <label class="form-label">Email</label>
        <input type="email" name="email" class="form-control" value="<?
= esc($user['email'] ?? old('email')); ?>">
    </div>

    <div class="mb-3">
        <label class="form-label">Peran</label>
        <select name="role_id" class="form-select" required>
            <option value="">-- Pilih --</option>
            <?php foreach(($roles ?? []) as $r): ?>
                <option value="<?= $r['id']; ?>" <?= (isset($user) && (int)
$user['role_id'] === (int)$r['id']) ? 'selected' : '' ?>><?=
esc($r['role_name']); ?></option>
            <?php endforeach; ?>
        </select>
    </div>

    <div class="mb-3">
        <label class="form-label">Password <?= isset($user) ? '(biarkan
kosong jika tidak ganti)' : '' ?></label>
        <input type="password" name="password" class="form-control" <?=
isset($user) ? '' : 'required' ?>>
    </div>

    <div class="d-flex gap-2">
        <button class="btn btn-primary" type="submit">Simpan</button>
        <a class="btn btn-light" href="<?=
route_to('koordinator.staff.index'); ?>">Batal</a>
    </div>
</form>
</div>
</div>
</div>
</div>
</div>
<?= $this->endSection(); ?>

```

**Catatan:** koordinator/reports/index.php bisa ditambahkan kemudian mengikuti pola tampilan dashboard (tabel ringkas + tombol ekspor bila ExportController/ReportService sudah siap).

---

## 4) Routes (tambahan untuk app/Config/Routes.php)

Tambahkan **DI DALAM** grup koordinator yang sudah ada:

```
$routes->group('koordinator', ['filter' => 'auth', 'namespace' =>
'App\Controllers\Koordinator'], static function ($routes) {
    // Dashboard
    $routes->get('dashboard', 'DashboardController::index', ['as' =>
'koordinator.dashboard']);

    // Staff Management (Guru BK & Wali Kelas)
    $routes->group('staff', static function ($routes) {
        $routes->get('/', 'StaffController::index', ['as' =>
'koordinator.staff.index']);
        $routes->get('create', 'StaffController::create', ['as' =>
'koordinator.staff.create']);
        $routes->post('store', 'StaffController::store', ['as' =>
'koordinator.staff.store']);
        $routes->get('edit/(\d+)', 'StaffController::edit/$1', ['as' =>
'koordinator.staff.edit']);
        $routes->post('update/(\d+)', 'StaffController::update/$1', ['as' =>
'koordinator.staff.update']);
        $routes->post('toggle/(\d+)', 'StaffController::toggleActive/$1',
['as' => 'koordinator.staff.toggle']);
    });

    // Reports (agregat sekolah)
    $routes->get('reports', 'ReportController::index', ['as' =>
'koordinator.reports']);
});
```

**Optional:** Jika Anda ingin memperketat di level rute, Anda bisa gunakan filter role bila sudah tersedia: ['filter' => 'auth,role:Koordinator BK'].

---

## 5) Sidebar (opsional)

Pada app/Views/layouts/partials/sidebar.php tambahkan menu yang **hanya tampil** untuk role *Koordinator BK*.

```
<?php $roleName = session('role_name') ?? null; // pastikan Anda set ini saat
Login ?>
```

```
<?php if (strtolower($roleName) === 'koordinator bk'): ?>
<li class="menu-title">Koordinator BK</li>
<li><a href="<?= route_to('koordinator.dashboard'); ?>"><i class="mdi mdi-
view-dashboard"></i> <span>Dashboard</span></a></li>
<li><a href="<?= route_to('koordinator.staff.index'); ?>"><i class="mdi mdi-
account-multiple"></i> <span>Manajemen Staf</span></a></li>
```

```
<li><a href="?= route_to('koordinator.reports'); ?>"><i class="mdi mdi-file-chart"></i> <span>Laporan Agregat</span></a></li>
<?php endif; ?>
```

Jika proyek belum menyimpan role\_name di sesi saat login, Anda bisa menambahkan setelah autentikasi sukses: `session()->set('role_name', $role['role_name']);`

---

## 6) Seeder (opsional — jalankan hanya bila belum ada)

### 6.1 Tambah role **Koordinator BK** (jika belum ada)

```
// app/Database/Seeds/RoleSeeder.php (tambahkan entry ini bila belum ada)
[
    'role_name'    => 'Koordinator BK',
    'description' => 'Koordinator Bimbingan Konseling - mengelola guru BK &
laporan agregat',
    'created_at'  => date('Y-m-d H:i:s'),
    'updated_at'  => date('Y-m-d H:i:s'),
],
```

### 6.2 RolePermission untuk Koordinator BK

```
// app/Database/Seeds/RolePermissionSeeder.php (contoh minimal)
$koordinatorId = 2; // sesuaikan id sebenarnya di DB Anda
$permissions = [
    'view_dashboard',
    'manage_users',           // untuk Guru BK & Wali Kelas
    'view_counseling_sessions',
    'manage_violations',
    'manage_assessments',
    'generate_reports',
    'view_reports',
    'manage_career_info',
];

foreach ($permissions as $permName) {
    $perm = $this->db->table('permissions')->getWhere(['permission_name' =>
$permName])->getRowArray();
    if ($perm) {
        $this->db->table('role_permissions')->insert([
            'role_id'        => $koordinatorId,
            'permission_id' => $perm['id'],
            'created_at'     => date('Y-m-d H:i:s'),
            'updated_at'     => date('Y-m-d H:i:s'),
        ]);
    }
}
```

---

## 7) Catatan Integrasi

- **RBAC/Filter:** Grup koordinator sudah diproteksi auth. Pembatasan peran ditegakkan di BaseKoordinatorController agar konsisten & mudah dirawat.
  - **Reusability:** CoordinatorService hanya agregasi; logika domain tetap di model/service yang sudah ada.
  - **UI/UX:** Kartu statistik & tabel ringkas mengikuti gaya komponen dashboard yang sudah dipakai. Kelas CSS seperti bg-role-koordinator dapat langsung memanfaatkan style variabel yang sudah ada.
  - **Keamanan:** Gunakan csrf\_field() di form, esc() di view.
  - **Langkah uji cepat:** setelah deploy file, pastikan user dengan role **Koordinator BK** bisa membuka /koordinator/dashboard, membuat & mengubah akun Guru BK/Wali Kelas, serta melihat ringkasan pelanggaran.
- 

Selesai. Jika Anda ingin saya **menyisipkan** potongan ke file asli (merge patch) atau menambah **ekspor laporan** (PDF/Excel) untuk Koordinator, beri tahu—nanti saya siapkan endpoint & view ekspor yang nyambung dengan ExportController.