Laporan UAS Sistem Web dengan Laravel

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Kasus yang dipilih : Sistem Manajemen Kepegawaian GitHub : https://github.com/buriane/uas-009

Deskripsi Kasus

Mini aplikasi ini digunakan untuk mengelola data pegawai, departemen, jabatan, dan absensi.

Fitur Utama

- Login & Register dengan Laravel Breeze
- CRUD Pegawai
- CRUD Departemen
- CRUD Jabatan
- CRUD Absensi

Implementasi

Menggunakan Laravel Breeze untuk autentikasi:

```
∩nhn artisan vendor∙nuhlish --tag=laravel-assets --ansi
 INFO No publishable resources for tag [laravel-assets].
No security vulnerability advisories found.

Using version ^2.1 for laravel/breeze
PS D:\laragon\www\uas-009> php artisan breeze:install
 Which Breeze stack would you like to install?
 Blade with Alpine blade
Livewire (Volt Class API) with Alpine livewire
Livewire (Volt Functional API) with Alpine livewire-functional
 API only ......api
olade
 Would you like dark mode support? (yes/no) [no]
 Which testing framework do you prefer? [PHPUnit]

        Pest
        6

        PHPUnit
        1

  INFO Installing and building Node dependencies.
 added 144 packages, and audited 145 packages in 26s
36 packages are looking for funding run `npm fund` for details
found 0 vulnerabilities
 > vite build
transforming...

√ 54 modules transformed.
rendering chunks...
computing gzip size...

        public/build/manifest.json
        6.27 kB
        gzip:
        0.15 kB

        public/build/assets/app-cky0ycjt.css
        33.92 kB
        gzip:
        6.54 kB

        public/build/assets/app-Cs00kU10.js
        78.50 kB
        gzip:
        29.14 kB

  INFO Breeze scaffolding installed successfully
```

Membuat migration, model, dan controller:

```
PS D:\laragon\www\uas-009> php artisan make:migration create_pegawai_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:migration create_departemen_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:migration create_departemen_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:migration create_departemen_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:migration create_jabatan_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:migration create_jabatan_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:migration create_absensi_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:migration create_absensi_table

INFO Migration [D:\laragon\www\uas-009> php artisan make:model Pegawai

INFO Model [D:\laragon\www\uas-009> php artisan make:model Pegawai.php] created successfully.

PS D:\laragon\www\uas-009> php artisan make:model Departemen

INFO Model [D:\laragon\www\uas-009> php artisan make:model Dabatan
```

```
DNFO Model [D:\laragon\www\uas-009\app\Models\Jabatan.php] created successfully.

PS D:\laragon\www\uas-009> php artisan make:model Absensi

DNFO Model [D:\laragon\www\uas-009\app\Models\Absensi.php] created successfully.

PS D:\laragon\www\uas-009> php artisan make:controller PegawaiController --resource

INFO Controller [D:\laragon\www\uas-009\app\Http\Controllers\PegawaiController --resource

INFO Controller [D:\laragon\www\uas-009\app\Http\Controllers\PegawaiController --resource

INFO Controller [D:\laragon\www\uas-009\app\Http\Controllers\DepartemenController.php] created successfully.

PS D:\laragon\www\uas-009> php artisan make:controller JabatanController --resource

INFO Controller [D:\laragon\www\uas-009\app\Http\Controllers\JabatanController.php] created successfully.

PS D:\laragon\www\uas-009> php artisan make:controller AbsensiController --resource

INFO Controller [D:\laragon\www\uas-009\app\Http\Controllers\JabatanController.php] created successfully.

PS D:\laragon\www\uas-009> php artisan make:controller AbsensiController.php] created successfully.

PS D:\laragon\www\uas-009> php artisan make:controllers\AbsensiController.php] created successfully.
```

Migration:

Pegawai

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
return new class extends Migration
    /**
     * Run the migrations.
   public function up(): void
        Schema::create('pegawai', function (Blueprint $table) {
            $table->id();
            $table->string('nama');
            $table->string('email')->unique();
            $table->date('tanggal lahir');
            $table->enum('jenis kelamin', ['L', 'P']);
            $table->unsignedBigInteger('departemen id');
            $table->unsignedBigInteger('jabatan id');
            $table->timestamps();
        });
    }
     * Reverse the migrations.
   public function down(): void
        Schema::dropIfExists('pegawai');
};
```

Departemen

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
return new class extends Migration
    /**
     * Run the migrations.
    */
   public function up(): void
        Schema::create('departemen', function (Blueprint $table)
            $table->id();
            $table->string('nama departemen');
            $table->timestamps();
        });
    }
    /**
     * Reverse the migrations.
   public function down(): void
        Schema::dropIfExists('departemen');
};
```

Jabatan

```
$table->id();
$table->string('nama_jabatan');
$table->timestamps();
});

}

/**

* Reverse the migrations.

*/
public function down(): void
{
    Schema::dropIfExists('jabatan');
};
```

• Absensi

```
<?php
use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;
return new class extends Migration
    /**
     * Run the migrations.
    public function up(): void
        Schema::create('absensi', function (Blueprint $table) {
            $table->id();
            $table->date('tanggal');
            $table->time('jam masuk');
            $table->time('jam keluar');
            $table->unsignedBigInteger('pegawai_id');
            $table->timestamps();
        });
    }
    /**
     ^{\star} Reverse the migrations.
    */
    public function down(): void
        Schema::dropIfExists('absensi');
} ;
```

Model & Eloquent Relationship:

• Pegawai

```
<?php
namespace App\Models;
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
class Pegawai extends Model
   use HasFactory;
   protected $table = 'pegawai';
   protected $fillable = [
        'nama',
        'email',
        'tanggal lahir',
        'jenis kelamin',
        'departemen id',
        'jabatan_id',
   ];
   public function departemen()
        return $this->belongsTo(Departemen::class);
   public function jabatan()
        return $this->belongsTo(Jabatan::class);
   public function absensi()
        return $this->hasMany(Absensi::class);
}
```

Departemen

```
<?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;</pre>
```

```
class Departemen extends Model
{
    use HasFactory;

    protected $table = 'departemen';

    protected $fillable = [
         'nama_departemen',
    ];

    public function pegawai()
    {
        return $this->hasMany(Pegawai::class);
    }
}
```

Jabatan

Absensi

```
<?php
namespace App\Models;</pre>
```

```
use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;

class Absensi extends Model
{
    use HasFactory;

    protected $table = 'absensi';

    protected $fillable = [
         'pegawai_id',
         'tanggal',
         'jam_masuk',
         'jam_keluar',
];

    public function pegawai()
    {
        return $this->belongsTo(Pegawai::class);
    }
}
```

Controller:

• Pegawai

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Models\Pegawai;
use App\Models\Departemen;
use App\Models\Jabatan;

class PegawaiController extends Controller
{
    /**
    * Display a listing of the resource.
    */
    public function index()
    {
        $data_pegawai = Pegawai::with('departemen',
        'jabatan')->latest()->get();
        return view('pegawai.index', compact('data_pegawai'));
    }

    /**

/**
```

```
* Show the form for creating a new resource.
   public function create()
        $departemen = Departemen::all();
        $jabatan = Jabatan::all();
        return view('pegawai.create', compact('departemen',
'jabatan'));
    }
    /**
     * Store a newly created resource in storage.
   public function store(Request $request)
        $request->validate([
            'nama' => 'required|min:5',
            'email' => 'required|email|unique:pegawai,email',
            'tanggal lahir' => 'required|date',
            'jenis kelamin' => 'required|in:L,P',
            'departemen id' => 'required|exists:departemen,id',
            'jabatan id' => 'required|exists:jabatan,id',
        1);
        Pegawai::create([
            'nama' => $request->nama,
            'email' => $request->email,
            'tanggal_lahir' => $request->tanggal_lahir,
            'jenis kelamin' => $request->jenis kelamin,
            'departemen id' => $request->departemen id,
            'jabatan id' => $request->jabatan id,
        ]);
        return
redirect() ->route('pegawai.index') ->with(['success' => 'Data
pegawai berhasil ditambahkan!']);
    }
     * Display the specified resource.
   public function show(string $id)
        $data pegawai = Pegawai::with('departemen',
'jabatan') -> findOrFail ($id);
        return view('pegawai.show', compact('data pegawai'));
    }
    /**
     * Show the form for editing the specified resource.
```

```
*/
    public function edit(string $id)
    {
        $departemen = Departemen::all();
        $jabatan = Jabatan::all();
        $data pegawai = Pegawai::findOrFail($id);
        return view('pegawai.edit', compact('data pegawai',
'departemen', 'jabatan'));
    }
     * Update the specified resource in storage.
   public function update(Request $request, string $id)
        $request->validate([
            'nama' => 'required|min:5',
            'email' => 'required|email|unique:pegawai,email',
            'tanggal lahir' => 'required|date',
            'jenis kelamin' => 'required|in:L,P',
            'departemen id' => 'required|exists:departemen,id',
            'jabatan id' => 'required|exists:jabatan,id',
        1);
        $data pegawai = Pegawai::findOrFail($id);
        $data pegawai->update([
            'nama' => $request->nama,
            'email' => $request->email,
            'tanggal lahir' => $request->tanggal lahir,
            'jenis kelamin' => $request->jenis kelamin,
            'departemen id' => $request->departemen id,
            'jabatan id' => $request->jabatan id,
        ]);
        return
redirect()->route('pegawai.index')->with(['success' => 'Data
pegawai berhasil diupdate!']);
    }
    /**
     * Remove the specified resource from storage.
   public function destroy(string $id)
    {
        $data pegawai = Pegawai::findOrFail($id);
        $data pegawai->delete();
        return
redirect()->route('pegawai.index')->with(['success' => 'Data
pegawai berhasil dihapus!']);
    }
```

}

Departemen

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\Departemen;
class DepartemenController extends Controller
    /**
     * Display a listing of the resource.
   public function index()
        $data departemen = Departemen::latest()->get();
        return view('departemen.index',
compact('data departemen'));
    }
    /**
     * Show the form for creating a new resource.
   public function create()
        return view('departemen.create');
     * Store a newly created resource in storage.
   public function store(Request $request)
        $request->validate([
            'nama departemen' => 'required|min:5',
        ]);
        Departemen::create([
            'nama departemen' => $request->nama departemen,
        ]);
        return
redirect()->route('departemen.index')->with(['success' => 'Data
departemen berhasil ditambahkan!']);
    }
    /**
```

```
* Display the specified resource.
   public function show(string $id)
        $data departemen = Departemen::findOrFail($id);
        return view('departemen.show',
compact('data departemen'));
    }
    /**
     * Show the form for editing the specified resource.
   public function edit(string $id)
        $data departemen = Departemen::findOrFail($id);
        return view('departemen.edit',
compact('data departemen'));
    /**
     * Update the specified resource in storage.
   public function update(Request $request, string $id)
    {
        $request->validate([
            'nama departemen' => 'required|min:5',
        ]);
        $data departemen = Departemen::findOrFail($id);
        $data departemen->update([
            'nama departemen' => $request->nama departemen,
        ]);
        return
redirect()->route('departemen.index')->with(['success' => 'Data
departemen berhasil diubah!']);
    }
     * Remove the specified resource from storage.
   public function destroy(string $id)
        $data departemen = Departemen::findOrFail($id);
        $data departemen->delete();
        return
redirect() ->route('departemen.index') ->with(['success' => 'Data
departemen berhasil dihapus!']);
    }
}
```

Jabatan

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\Jabatan;
class JabatanController extends Controller
    /**
     * Display a listing of the resource.
     */
   public function index()
    {
        $data jabatan = Jabatan::latest()->get();
        return view('jabatan.index', compact('data jabatan'));
    }
    /**
     * Show the form for creating a new resource.
   public function create()
        return view('jabatan.create');
    /**
     * Store a newly created resource in storage.
   public function store(Request $request)
        $request->validate([
            'nama jabatan' => 'required|min:5',
        ]);
        Jabatan::create([
            'nama jabatan' => $request->nama jabatan,
        ]);
        return
redirect()->route('jabatan.index')->with(['success' => 'Data
jabatan berhasil ditambahkan!']);
    }
    /**
     * Display the specified resource.
   public function show(string $id)
```

```
{
        $data jabatan = Jabatan::findOrFail($id);
        return view('jabatan.show', compact('data jabatan'));
    }
    * Show the form for editing the specified resource.
   public function edit(string $id)
        $data jabatan = Jabatan::findOrFail($id);
        return view('jabatan.edit', compact('data jabatan'));
    }
    /**
    * Update the specified resource in storage.
   public function update(Request $request, string $id)
        $request->validate([
            'nama jabatan' => 'required|min:5',
        1);
        $data jabatan = Jabatan::findOrFail($id);
        $data jabatan->update([
            'nama jabatan' => $request->nama jabatan,
        1);
        return
redirect()->route('jabatan.index')->with(['success' => 'Data
jabatan berhasil diubah!']);
    }
     * Remove the specified resource from storage.
   public function destroy(string $id)
        $data jabatan = Jabatan::findOrFail($id);
        $data jabatan->delete();
        return
redirect()->route('jabatan.index')->with(['success' => 'Data
jabatan berhasil dihapus!']);
}
```

Absensi

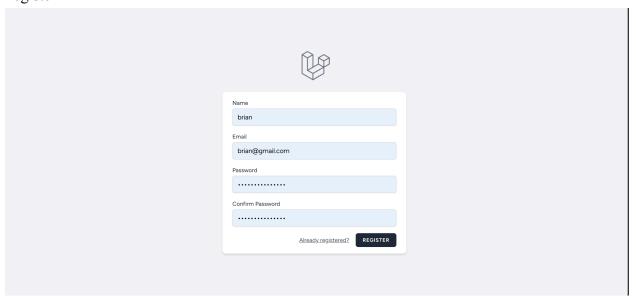
<?php

```
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\Absensi;
use App\Models\Pegawai;
class AbsensiController extends Controller
    /**
     * Display a listing of the resource.
     */
   public function index()
        $data absensi =
Absensi::with('pegawai')->latest()->get();
        return view('absensi.index', compact('data absensi'));
    }
     * Show the form for creating a new resource.
   public function create()
        $pegawai = Pegawai::all();
        return view('absensi.create', compact('pegawai'));
    }
    /**
     * Store a newly created resource in storage.
   public function store(Request $request)
        $request->validate([
            'tanggal' => 'required|date',
            'jam masuk' => 'required|date format:H:i',
            'jam keluar' => 'required|date format:H:i',
            'pegawai id' => 'required|exists:pegawai,id',
        ]);
        Absensi::create([
            'tanggal' => $request->tanggal,
            'jam masuk' => $request->jam masuk,
            'jam keluar' => $request->jam keluar,
            'pegawai id' => $request->pegawai id,
        ]);
        return
redirect()->route('absensi.index')->with(['success' => 'Data
absensi berhasil ditambahkan!']);
    }
```

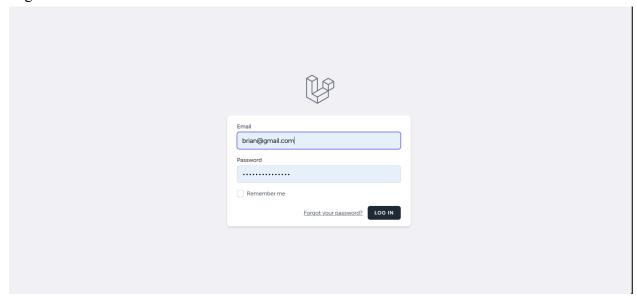
```
/**
     * Display the specified resource.
   public function show(string $id)
        $data absensi =
Absensi::with('pegawai')->findOrFail($id);
        return view('absensi.show', compact('data absensi'));
    /**
     * Show the form for editing the specified resource.
   public function edit(string $id)
    {
        $pegawai = Pegawai::all();
        $data absensi = Absensi::findOrFail($id);
        return view('absensi.edit', compact('data absensi',
'pegawai'));
    }
    /**
     * Update the specified resource in storage.
   public function update(Request $request, string $id)
        $request->validate([
            'tanggal' => 'required|date',
            'jam masuk' => 'required|date format:H:i',
            'jam keluar' => 'nullable|date format:H:i',
            'pegawai id' => 'required|exists:pegawai,id',
        ]);
        $data absensi = Absensi::findOrFail($id);
        $data absensi->update([
            'tanggal' => $request->tanggal,
            'jam masuk' => $request->jam masuk,
            'jam keluar' => $request->jam keluar,
            'pegawai id' => $request->pegawai id,
        1);
redirect() ->route('absensi.index') ->with(['success' => 'Data
absensi berhasil diupdate!']);
     * Remove the specified resource from storage.
     */
```

Screenshoot Tampilan

• Register



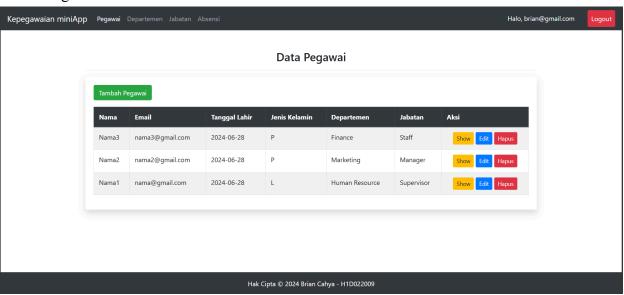
• Login

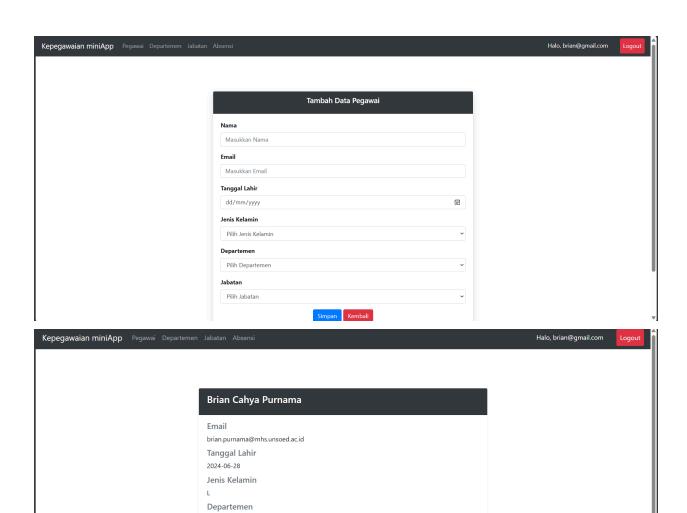


• Utama



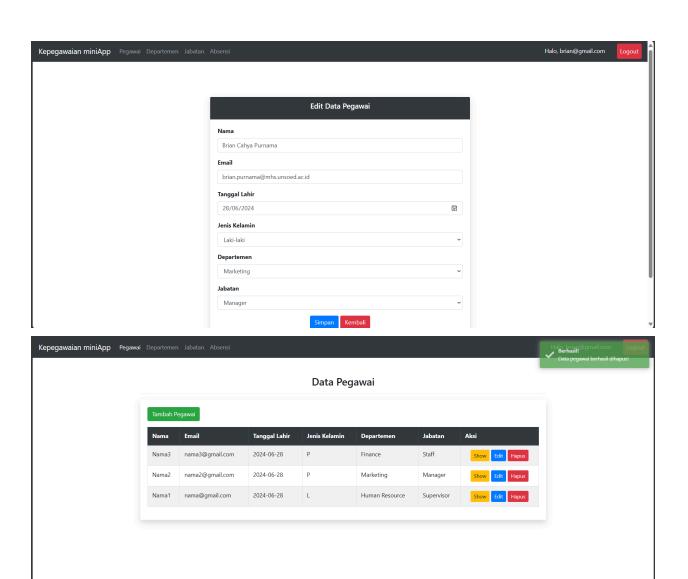
• CRUD Pegawai



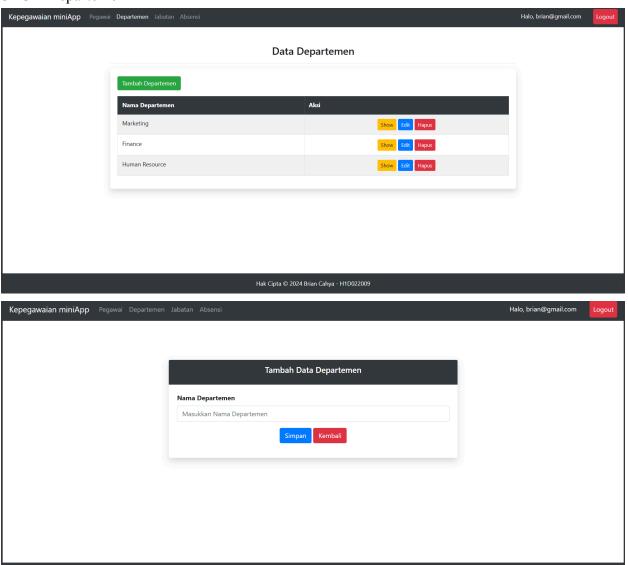


Kembali

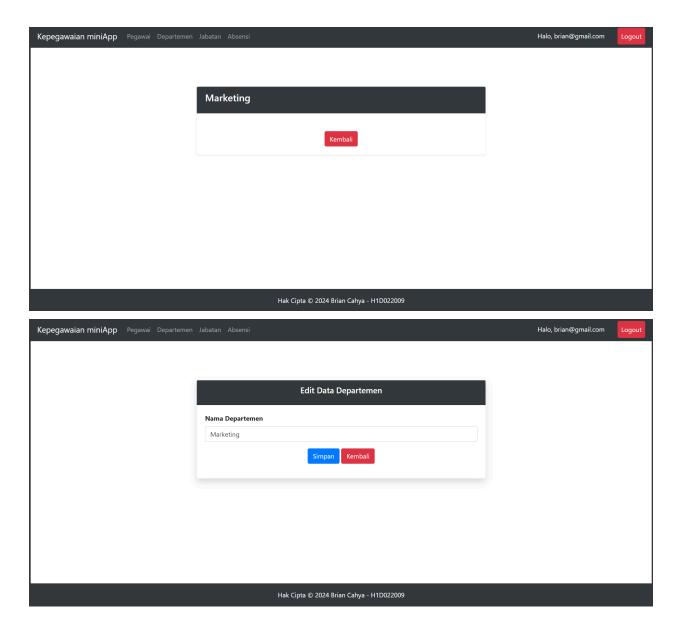
Marketing Jabatan Manager

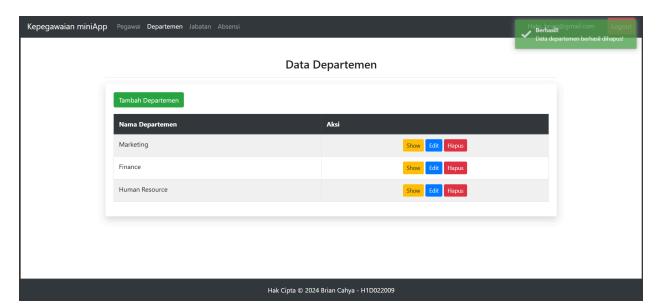


• CRUD Departemen

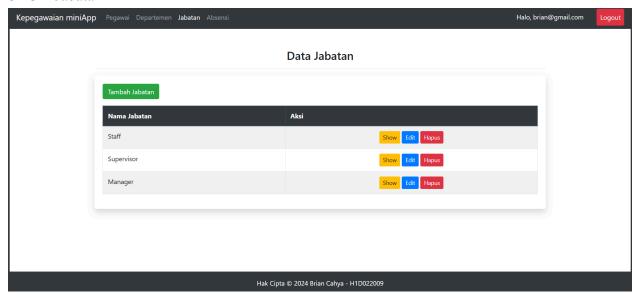


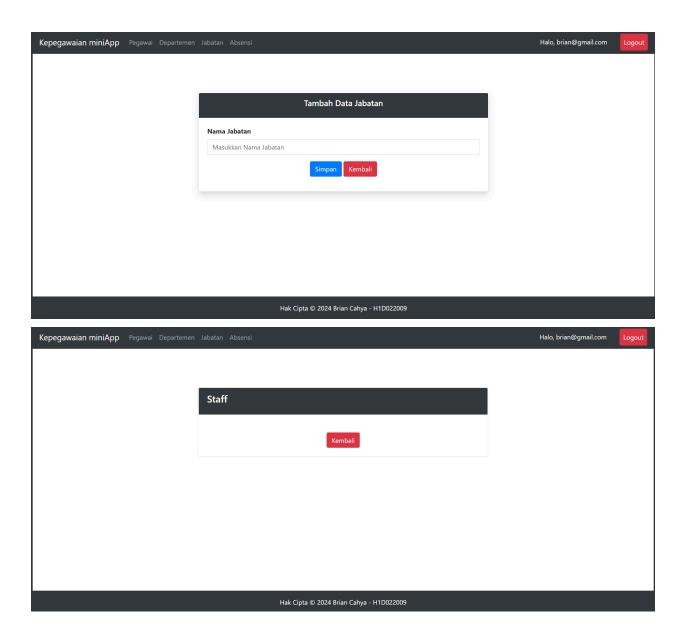
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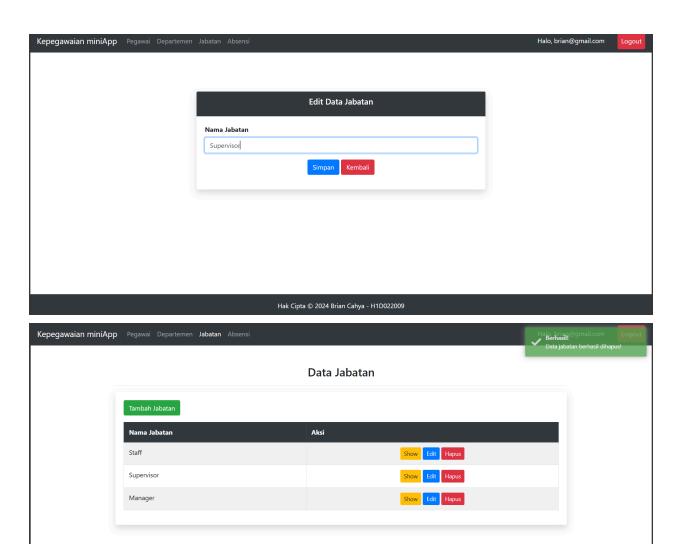




• CRUD Jabatan







• CRUD Absensi

