

DAFTAR LAMPIRAN

Lampiran 1 web.php

```
<?php

/*
-----[ Web Routes ]-----
Here is where you can register web routes for your application. These
routes are loaded by the RouteServiceProvider within a group which
contains the "web" middleware group. Now create something great!
*/

Route::get('/', function () {
    return view('welcome');
});

Route::get('ajaxruang', 'AjaxController@auto_item');

Route::group(['middleware' => ['web']], function () {
    // Authentication Routing...
    $this->get('login', 'Auth\LoginController@showLoginForm')->name('login');
    $this->post('login', 'Auth\LoginController@login');
    $this->post('logout', 'Auth\LoginController@logout')->name('logout');
    // Password Reset Routing...
    $this->get('password/reset', 'Auth\ForgotPasswordController@showLinkRequestForm')
        ->name('password.request');
    $this->post('password/email', 'Auth\ForgotPasswordController@sendResetLinkEmail')
        ->name('password.email');

    $this->get('password/reset/{token}', 'Auth\ResetPasswordController@showResetForm')
        ->name('password.reset');

    $this->post('password/reset', 'Auth\ResetPasswordController@reset');
});

Route::group(['middleware' => 'auth'], function () {
    Route::get('/home', 'HomeController@index')->name('home');

    Route::resource('manage/profil', 'Manage\ProfilController', [
        'except' => ['index', 'create', 'show']
    ]);

    Route::resource('manage/ruang', 'Manage\RuangController');
    Route::resource('manage/beban-penerangan', 'Manage\BebanPeneranganController');
    Route::resource('manage/hitung-ike', 'Manage\HitungIkeController');
    Route::resource('manage/beban-mesin', 'Manage\BebanMesinController');
    Route::resource('manage/beban-ac', 'Manage\BebanAcController');
    Route::resource('manage/beban-lain', 'Manage\BebanLainController');
    Route::resource('manage/user', 'Manage\UsersController');

    Route::get('laporanbebanmesin', 'LaporanController@laporanbebanmesin');
    Route::get('laporanbebanlain', 'LaporanController@laporanbebanlain');
    Route::get('laporanbebanac', 'LaporanController@laporanbebanac');
```

```

Route::get('laporanbebanpenerangan', 'LaporanController@laporanbebanpenerangan');
Route::get('laporanruang', 'LaporanController@laporanruang');
Route::get('laporandataike', 'LaporanController@laporandataike');
Route::get('laporashboard', 'LaporanController@laporashboard');

});

```

Lampiran 2 BebanAcController.php



```

<?php

namespace App\Http\Controllers\Manage;

use App\Http\Requests;
use App\Http\Controllers\Controller;
use Illuminate\Support\Facades\Input;
use Illuminate\Http\Request;

use DB;
use Session;
use App\BebanAc;
use App\HitungIke;
use App\Profil;
use App\Ruang;

use Illuminate\Http\Request;

class BebanAcController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\View\View
     */
    public function index(Request $request)
    {
        $keyword = $request->get('search');
        $perPage = 25;

        if (!empty($keyword)) {
            $bebanac = BebanAc::where('nm_ruang', 'LIKE', "%$keyword%")
                ->orWhere('jml_ac', 'LIKE', "%$keyword%")
                ->orWhere('daya_ac', 'LIKE', "%$keyword%")
                ->orWhere('tot_pemakaian', 'LIKE', "%$keyword%")
                ->orWhere('wktu_pengukuran', 'LIKE', "%$keyword%")
                ->orWhere('tot_dayaac', 'LIKE', "%$keyword%")
                ->latest()->paginate($perPage);
        } else {
            $bebanac = BebanAc::orderBy('wktu_pengukuran', 'desc')->paginate($perPage);
        }

        return view('admin.beban-ac.index', compact('bebanac'));
    }

    /**
     * Show the form for creating a new resource.
     *
     * @return \Illuminate\View\View
     */

```

```

/*
public function create()
{
    $nm_ruang = DB::table('ruangs')->pluck('nm_ruang', 'ruang_id');
    return view('admin.beban-ac.create1')->with('nm_ruang', $nm_ruang)
}

public function ajaxruang(Request $request)
{
    $ruang = Ruang::findOrFail($request->id);
    return response()->json(['data' => $ruang]);
}

/**
 * Store a newly created resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function store(Request $request)
{

$requestData = $request->all();
$waktu = $request->wktu_pengukuran;

$BebanAc = new BebanAc;

$dayatotal = $request->daya_ac * $request->jml_ac * $request->tot_pemakaian / 1000;

$BebanAc->ruang_id = $request->ruang_id;
$BebanAc->jml_ac = $request->jml_ac;
$BebanAc->daya_ac = $request->daya_ac;
$BebanAc->tot_pemakaian = $request->tot_pemakaian;
$BebanAc->wktu_pengukuran = $request->wktu_pengukuran;
$BebanAc->tot_dayaac = $dayatotal;

$BebanAc->save();

$cek= HitungIke::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))->exists();

$acbeban= BebanAc::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
->sum('tot_dayaac');
$luas= DB::table('profils')->where('profil_id', 1)->pluck('luas_gedung');
$hsil = $acbeban / $luas;

if(!$cek)
{
    $hasil = $hsil;
    $hitung = new HitungIke;
    $hitung->wktu_pengukuran = $request->wktu_pengukuran;
    $hitung->hsil_perhitungan = $hasil;

    $hitung->save();
}

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil Menyimpan Data AC"
]);
}

```

```

        return redirect('manage/beban-ac');
    }

    /**
     * Display the specified resource.
     *
     * @param int $id
     *
     * @return \Illuminate\View\View
     */
    public function show($id)
    {
        $bebanac = BebanAc::findOrFail($id);

        return view('admin.beban-ac.show', compact('bebanac'));
    }

    /**
     * Show the form for editing the specified resource.
     *
     * @param int $id
     *
     * @return \Illuminate\View\View
     */
    public function edit($id)
    {
        $bebanac = BebanAc::findOrFail($id);

        return view('admin.beban-ac.edit', compact('bebanac'));
    }

    /**
     * Update the specified resource in storage.
     *
     * @param \Illuminate\Http\Request $request
     * @param int $id
     *
     * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
     */
    public function update(Request $request, $id)
    {

        $requestData = $request->all();
        $bebanac = BebanAc::findOrFail($id);
        $bebanac->update($requestData);

        $cek= HitungIke::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))->exists();

        $acbeban= BebanAc::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
        ->sum('tot_dayaac');
        $luas= DB::table('profils')->where('profil_id', 1)->pluck('luas_gedung');
        $hsil = $acbeban / $luas;

        if(!$cek)
        {
            $hasil = $hsil;
            $hitung = new HitungIke;
            $hitung->wktu_pengukuran = $request->wktu_pengukuran;
            $hitung->hsil_perhitungan = $hasil;

            $hitung->save();
        }
    }
}

```

```

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil Mengupdate Data AC"
]);

return redirect('manage/beban-ac');
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function destroy($id)
{
    BebanAc::destroy($id);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menghapus Data Beban AC",
    ]);
    return redirect('manage/beban-ac');
}
}

```

Lampiran 3 BebanPeneranganController.php

```

<?php

namespace App\Http\Controllers\Manage;

use App\Http\Requests;
use App\Http\Controllers\Controller;
use Illuminate\Support\Facades\Input;
use Illuminate\Http\Request;

use DB;
use Session;
use App\BebanPenerangan;
use App\HitungIke;
use App\Profil;
use App\Ruang;

class BebanPeneranganController extends Controller
{
/**
 * Display a listing of the resource.
 *
 * @return \Illuminate\View\View
 */
public function index(Request $request)
{
    $keyword = $request->get('search');
    $perPage = 29;

    if (!empty($keyword)) {

```

```

$bebanpenerangan = BebanPenerangan::where('nm_ruang', 'LIKE', "%$keyword%")
    ->orWhere('jns_lamp', 'LIKE', "%$keyword%")
    ->orWhere('jml_lamp', 'LIKE', "%$keyword%")
    ->orWhere('daya_lamp', 'LIKE', "%$keyword%")
    ->orWhere('tot_pemakaian', 'LIKE', "%$keyword%")
    ->orWhere('wktu_pengukuran', 'LIKE', "%$keyword%")
    ->orWhere('tot_dayapen', 'LIKE', "%$keyword%")
    ->latest()->paginate($perPage);

} else {
    $bebanpenerangan = BebanPenerangan::orderBy('wktu_pengukuran', 'desc')
->paginate($perPage);
}

return view('admin.beban-penerangan.index', compact('bebanpenerangan'));
}

/**
 * Show the form for creating a new resource.
 *
 * @return \Illuminate\View\View
 */
public function create()
{
    $nm_ruang = DB::table('ruangs')->pluck('nm_ruang', 'ruang_id');
    return view('admin.beban-penerangan.create1')->with('nm_ruang', $nm_ruang);
}

/**
 * Store a newly created resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function store(Request $request)
{
    $requestData = $request->all();

    $dayatotal = $request->daya_lamp * $request->jml_lamp * $request->tot_pemakaian / 1000;

    $BebanPen = new BebanPenerangan;
    $BebanPen->ruang_id = $request->ruang_id;
    $BebanPen->jns_lamp = $request->jns_lamp;
    $BebanPen->jml_lamp = $request->jml_lamp;

    $BebanPen->daya_lamp = $request->daya_lamp;
    $BebanPen->tot_pemakaian = $request->tot_pemakaian;
    $BebanPen->wktu_pengukuran = $request->wktu_pengukuran;
    $BebanPen->tot_dayapen = $dayatotal;

    $BebanPen->save();

    $cek= HitungIke::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))->exists();
    $bebanpen= BebanMesin::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
->sum('tot_dayapen');
    $luas= DB::table('profilis')->where('profil_id', 1)->pluck('luas_gedung');
    $hsil = $bebanpen / $luas;

    if(!$cek)
    {
        $hasil = $hsil;
    }
}

```

```

        $hitung = new HitungIke;
        $hitung->wktu_pengukuran = $request->wktu_pengukuran;
        $hitung->hsil_perhitungan = $hasil;
        $hitung->save();
    }

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menyimpan Data Beban Penerangan",
    ]);

    return redirect('manage/beban-penerangan');
}

/**
 * Display the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function show($id)
{
    $bebanpenerangan = BebanPenerangan::findOrFail($id);

    return view('admin.beban-penerangan.show', compact('bebanpenerangan'));
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function edit($id)
{
    $bebanpenerangan = BebanPenerangan::findOrFail($id);

    return view('admin.beban-penerangan.edit', compact('bebanpenerangan'));
}

/**
 * Update the specified resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function update(Request $request, $id)
{
    $requestData = $request->all();

    $bebanpenerangan = BebanPenerangan::findOrFail($id);
    $bebanpenerangan->update($requestData);

    $cek= HitungIke::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))->exists();
    $bebanpen= BebanMesin::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
->sum('tot_dayapen');
    $luas= DB::table('profil')->where('profil_id', 1)->pluck('luas_gedung');
    $hsil = $bebanpen / $luas;
}

```

```

if(!$cek)
{
    $hasil = $hsil;
    $hitung = new HitungIke;
    $hitung->wktu_pengukuran = $request->wktu_pengukuran;
    $hitung->hsil_perhitungan = $hasil;
    $hitung->save();
}

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil Mengupdate Data Beban Penerangan",
]);
return redirect('manage/beban-penerangan');
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function destroy($id)
{
    BebanPenerangan::destroy($id);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menghapus Data Beban Penerangan",
    ]);
    return redirect('manage/beban-penerangan');
}
}

```

Lampiran 4 BebanLainController.php

```

<?php

namespace App\Http\Controllers\Manage;

use App\Http\Requests;
use App\Http\Controllers\Controller;
use Illuminate\Support\Facades\Input;
use Illuminate\Http\Request;

use DB;
use Session;
use App\BebanLain;
use App\HitungIke;
use App\Profil;
use App\Ruang;

class BebanLainController extends Controller
{
    /**
     * Display a listing of the resource.
     *

```

```

    * @return \Illuminate\View\View
    */
public function index(Request $request)
{
    $keyword = $request->get('search');
    $perPage = 25;

    if (!empty($keyword)) {
        $bebanlain = BebanLain::where('nm_ruang', 'LIKE', "%$keyword%")
            ->orWhere('jns_beban', 'LIKE', "%$keyword%")
            ->orWhere('jml_beban', 'LIKE', "%$keyword%")
            ->orWhere('daya_beban', 'LIKE', "%$keyword%")
            ->orWhere('tot_pemakaian', 'LIKE', "%$keyword%")
            ->orWhere('wktu_pengukuran', 'LIKE', "%$keyword%")
            ->orWhere('tot_dayalain', 'LIKE', "%$keyword%")
            ->latest()->paginate($perPage);
    } else {
        $bebanlain = BebanLain::orderBy('wktu_pengukuran', 'desc')->paginate($perPage);
    }

    return view('admin.beban-lain.index', compact('bebanlain'));
}

/**
 * Show the form for creating a new resource.
 *
 * @return \Illuminate\View\View
 */
public function create()
{
    $nm_ruang = DB::table('ruangs')->pluck('nm_ruang', 'ruang_id');
    return view('admin.beban-lain.create1')->with('nm_ruang', $nm_ruang);
}

/**
 * Store a newly created resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function store(Request $request)
{
    $requestData = $request->all();
    $BebanLain = new BebanLain;

    $dayatotal = $request->daya_beban * $request->jml_beban * $request->tot_pemakaian / 1000;

    $BebanLain->ruang_id = $request->ruang_id;
    $BebanLain->jns_beban = $request->jns_beban;
    $BebanLain->jml_beban = $request->jml_beban;
    $BebanLain->daya_beban = $request->daya_beban;
    $BebanLain->tot_pemakaian = $request->tot_pemakaian;
    $BebanLain->wktu_pengukuran = $request->wktu_pengukuran;
    $BebanLain->tot_dayalain = $dayatotal;

    $BebanLain->save();

    $cek= HitungIke::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))->exists();

    $bebanlain= BebanLain::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
}

```

```

->sum('tot_dayalain');
$luas= DB::table('profils')->where('profil_id', 1)->pluck('luas_gedung');
$hsil = $bebanlain / $luas;

if(!$cek)
{
    $hasil = $hsil;
    $hitung = new HitungIke;
    $hitung->wktu_pengukuran = $request->wktu_pengukuran;
    $hitung->hsil_perhitungan = $hasil;

    $hitung->save();
}

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil Menyimpan Data Beban Lain"
]);

return redirect('manage/beban-lain');
}

/**
 * Display the specified resource.
 *
 * @param int $id
 * @return \Illuminate\View\View
 */
public function show($id)
{
    $bebanlain = BebanLain::findOrFail($id);
    return view('admin.beban-lain.show', compact('bebanlain'));
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 * @return \Illuminate\View\View
 */
public function edit($id)
{
    $bebanlain = BebanLain::findOrFail($id);
    return view('admin.beban-lain.edit', compact('bebanlain'));
}

/**
 * Update the specified resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function update(Request $request, $id)
{
    requestData = $request->all();
    $bebanlain = BebanLain::findOrFail($id);

    $bebanlain->update($requestData);
}

```

```

$cek= HitungIke::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))->exists();
$bebanlain= BebanLain::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
->sum('tot_dayalain');
$luas= DB::table('profils')->where('profil_id', 1)->pluck('luas_gedung');
$hsil = $bebanlain / $luas;

if(!$cek)
{
    $hasil = $hsil;
    $hitung = new HitungIke;
    $hitung->wktu_pengukuran = $request->wktu_pengukuran;
    $hitung->hsil_perhitungan = $hasil;
    $hitung->save();

}

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil Mengupdate Data Beban Lain"
]);
return redirect('manage/beban-lain');

}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 */
public function destroy($id)
{
    BebanLain::destroy($id);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menghapus Data Beban Lain",
    ]);
    return redirect('manage/beban-lain');
}
}

```

Lampiran 5 BebanMesinController.php

```

<?php

namespace App\Http\Controllers\Manage;

use App\Http\Requests;
use App\Http\Controllers\Controller;
use Illuminate\Support\Facades\Input;

use DB;
use Session;
use App\BebanMesin;
use App\HitungIke;
use App\Profil;
use App\Ruang;
use Illuminate\Http\Request;

class BebanMesinController extends Controller

```

```
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\View\View
     */
    public function index(Request $request)
    {
        $keyword = $request->get('search');
        $perPage = 25;

        if (!empty($keyword)) {
            $bebanmesin = BebanMesin::where('nm_ruang', 'LIKE', "%$keyword%")
                ->orWhere('nm_mesin', 'LIKE', "%$keyword%")
                ->orWhere('daya_mesin', 'LIKE', "%$keyword%")
                ->orWhere('tot_pemakaian', 'LIKE', "%$keyword%")
                ->orWhere('wktu_pengukuran', 'LIKE', "%$keyword%")
                ->orWhere('tot_dayamesin', 'LIKE', "%$keyword%")
                ->latest()->paginate($perPage);
        } else {
            $bebanmesin = BebanMesin::orderBy('wktu_pengukuran', 'desc')->paginate($perPage);
        }

        return view('admin.beban-mesin.index', compact('bebanmesin'));
    }

    /**
     * Show the form for creating a new resource.
     *
     * @return \Illuminate\View\View
     */
    public function create()
    {
        $nm_ruang = DB::table('ruangs')->pluck('nm_ruang', 'ruang_id');
        return view('admin.beban-mesin.create1')->with('nm_ruang', $nm_ruang);
    }

    /**
     * Store a newly created resource in storage.
     *
     * @param \Illuminate\Http\Request $request
     *
     * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
     */
    public function store(Request $request)
    {

        $requestData = $request->all();

        //BebanMesin::create($requestData);
        //dd($requestData);

        $BebanMesin = new BebanMesin;

        $dayatotal = $request->daya_mesin * $request->jml_mesin * $request->tot_pemakaian / 1000;

        $BebanMesin->ruang_id = $request->ruang_id;
        $BebanMesin->nm_mesin = $request->nm_mesin;
        $BebanMesin->daya_mesin = $request->daya_mesin;
        $BebanMesin->tot_pemakaian = $request->tot_pemakaian;
        $BebanMesin->wktu_pengukuran = $request->wktu_pengukuran;
        $BebanMesin->tot_dayamesin = $dayatotal;
    }
}
```

```

$BebanMesin->save();

$cetak = HitungIke::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))->exists();
$bebanmsin = BebanMesin::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
->sum('tot_dayamesin');
$luas = DB::table('profils')->where('profil_id', 1)->pluck('luas_gedung');
$hsil = $bebanmsin / $luas;

if(!$cek)
{
    $hasil = $hsil;
    $hitung = new HitungIke;
    $hitung->wktu_pengukuran = $request->wktu_pengukuran;
    $hitung->hsil_perhitungan = $hasil;
    $hitung->save();
}

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil Menyimpan Data Beban Lain"
]);

return redirect('manage/beban-mesin');
}

/**
 * Display the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function show($id)
{
    $bebanmesin = BebanMesin::findOrFail($id);

    return view('admin.beban-mesin.show', compact('bebanmesin'));
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function edit($id)
{
    $bebanmesin = BebanMesin::findOrFail($id);

    return view('admin.beban-mesin.edit', compact('bebanmesin'));
}

/**
 * Update the specified resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */

```

```

public function update(Request $request, $id)
{
    $requestData = $request->all();

    $bebanmesin = BebanMesin::findOrFail($id);
    $bebanmesin->update($requestData);

    $bebanmsin= BebanMesin::where('wktu_pengukuran', '=', Input::get('wktu_pengukuran'))
->sum('tot_dayamesin');
    $luas= DB::table('profils')->where('profil_id', 1)->pluck('luas_gedung');
    $hsil = $bebanmsin / $luas;

    if(!$cek)
    {
        $hasil = $hsil;
        $hitung = new HitungIke;
        $hitung->wktu_pengukuran = $request->wktu_pengukuran;
        $hitung->hsil_perhitungan = $hasil;

        $hitung->save();
    }
    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Mengupdate Data Beban Mesin"
    ]);

    return redirect('manage/beban-mesin');
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function destroy($id)
{
    BebanMesin::destroy($id);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menghapus Data Beban Mesin",
    ]);

    return redirect('manage/beban-mesin');
}
}

```

Lampiran 6 RuangController.php

```

<?php

namespace App\Http\Controllers\Manage;

use App\Http\Requests;
use App\Http\Controllers\Controller;

use DB;

```

```

use Session;
use App\Profil;
use App\Ruang;
use Illuminate\Http\Request;

class RuangController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\View\View
     */
    public function index(Request $request)
    {
        $keyword = $request->get('search');
        $perPage = 25;

        if (!empty($keyword)) {
            $ruang = Ruang::where('nm_ruang', 'LIKE', "%$keyword%")
                ->orWhere('luas_ruang', 'LIKE', "%$keyword%")
                ->orWhere('jns_lamp', 'LIKE', "%$keyword%")
                ->orWhere('jml_lamp', 'LIKE', "%$keyword%")
                ->orWhere('daya_lamp', 'LIKE', "%$keyword%")
                ->orWhere('nmbebanac', 'LIKE', "%$keyword%")
                ->orWhere('jml_ac', 'LIKE', "%$keyword%")
                ->orWhere('daya_ac', 'LIKE', "%$keyword%")
                ->orWhere('jnsbebanlain', 'LIKE', "%$keyword%")
                ->orWhere('jmlbebanlain', 'LIKE', "%$keyword%")
                ->orWhere('dyabebanlain', 'LIKE', "%$keyword%")
                ->orWhere('nm_mesin', 'LIKE', "%$keyword%")
                ->orWhere('jml_mesin', 'LIKE', "%$keyword%")
                ->orWhere('daya_mesin', 'LIKE', "%$keyword%")
                ->orWhere('nilai_IKE', 'LIKE', "%$keyword%")
                ->latest()->paginate($perPage);
        } else {
            $ruang = Ruang::paginate($perPage);
        }
        return view('admin.ruang.index', compact('ruang'));
    }

    /**
     * Show the form for creating a new resource.
     *
     * @return \Illuminate\View\View
     */
    public function create()
    {
        return view('admin.ruang.create1');
    }

    /**
     * Store a newly created resource in storage.
     *
     * @param \Illuminate\Http\Request $request
     *
     * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
     */
    public function store(Request $request)
    {
        $requestData = $request->all();
        Ruang::create($requestData);
    }
}

```

```

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil Menyimpan Data Ruang Gedung"
]);

return redirect('manage/ruang');
}

/**
 * Display the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function show($id)
{
    $ruang = Ruang::findOrFail($id);

    return view('admin.ruang.show', compact('ruang'));
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function edit($id)
{
    $ruang = Ruang::findOrFail($id);

    //dd($ruang);
    return view('admin.ruang.edit1', compact('ruang'));
}

/**
 * Update the specified resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function update(Request $request, $id)
{
    $requestData = $request->all();

    $ruang = Ruang::findOrFail($id);
    $ruang->update($requestData);
    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Mengupdate Data Ruang Gedung"
    ]);

    return redirect('manage/ruang');
}

```

```

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function destroy($id)
{
    Ruang::destroy($id);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menghapus Data Ruang",
    ]);

    return redirect('manage/ruang');
}
}

```

Lampiran 7 ProfilController.php

```

<?php

namespace App\Http\Controllers\Manage;

use App\Http\Requests;
use App\Http\Controllers\Controller;

use DB;
use Session;
use App\Ruang;
use App\Profil;
use Illuminate\Http\Request;

class ProfilController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\View\View
     */
    public function index(Request $request)
    {
        $keyword = $request->get('search');
        $perPage = 25;

        if (!empty($keyword)) {
            $profil = Profil::where('p_gedung', 'LIKE', "%$keyword%")
                ->orWhere('nama_institusi', 'LIKE', "%$keyword%")
                ->orWhere('alamat', 'LIKE', "%$keyword%")
                ->orWhere('jml_gedung', 'LIKE', "%$keyword%")
                ->orWhere('jml_lantai', 'LIKE', "%$keyword%")
                ->orWhere('jml_meter', 'LIKE', "%$keyword%")
                ->orWhere('meter_id', 'LIKE', "%$keyword%")
                ->orWhere('tot_daya', 'LIKE', "%$keyword%")
                ->orWhere('pnjng_gedung', 'LIKE', "%$keyword%")
                ->orWhere('ibr_gedung', 'LIKE', "%$keyword%")
                ->orWhere('tinggi_gedung', 'LIKE', "%$keyword%")
        }
    }
}

```

```

        ->orWhere('luas_gedung', 'LIKE', "%$keyword%")
        ->latest()->paginate($perPage);
    } else {
        $profil = Profil::latest()->paginate($perPage);
    }

    return view('admin.profil.index', compact('profil'));
}

/**
 * Show the form for creating a new resource.
 *
 * @return \Illuminate\View\View
 */
public function create()
{
    return view('admin.profil.create');
}

/**
 * Store a newly created resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function store(Request $request)
{
    $requestData = $request->all();

    Profil::create($requestData);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menyimpan Data Profil Gedung"
    ]);

    return redirect('manage/profil/1/edit');
}

/**
 * Display the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function show($id)
{
    $profil = Profil::findOrFail($id);

    return view('admin.profil.show', compact('profil'));
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */

```

```
public function edit($id)
{
    $profil = Profil::findOrFail($id);

    return view('admin.profil.edit1', compact('profil'));
}

/**
 * Update the specified resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function update(Request $request, $id)
{

    requestData = $request->all();

    $profil = Profil::findOrFail($id);
    $profil->update($requestData);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Mengupdate Data Profil Gedung"
    ]);

    return redirect('manage/profil/1/edit');
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function destroy($id)
{
    Profil::destroy($id);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Menghapus Data Profil",
    ]);

    return redirect('manage/profil');
}
```

Lampiran 8 HitungIkeController.php

```
<?php

namespace App\Http\Controllers\Manage;

use App\Http\Requests;
use App\Http\Controllers\Controller;

use DB;
use Session;
use App\Ruang;
use App\HitungIke;
use Illuminate\Http\Request;

class HitungIkeController extends Controller
{
    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\View\View
     */
    public function index(Request $request)
    {
        $keyword = $request->get('search');
        $perPage = 25;

        if (!empty($keyword)) {
            $hitungike = HitungIke::where('wktu_pengukuran', 'LIKE', "%$keyword%")
                ->orWhere('hsil_perhitungan', 'LIKE', "%$keyword%")
                ->latest()->paginate($perPage);
        } else {
            $hitungike = HitungIke::orderBy('wktu_pengukuran', 'desc')->paginate($perPage);
        }

        return view('admin.hitung-ike.index', compact('hitungike'));
    }

    /**
     * Show the form for creating a new resource.
     *
     * @return \Illuminate\View\View
     */
    public function create()
    {

    }

    /**
     * Store a newly created resource in storage.
     *
     * @param \Illuminate\Http\Request $request
     *
     * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
     */
    public function store(Request $request)
    {

    }

    /**
     * Display the specified resource.
     *

```

```

/*
 * @param int $id
 */
public function show($id)
{
    $hitungike = HitungIke::findOrFail($id);

    return view('admin.hitung-ike.show', compact('hitungike'));
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 */
public function edit($id)
{
    $hitungike = HitungIke::findOrFail($id);

    return view('admin.hitung-ike.edit', compact('hitungike'));
}

/**
 * Update the specified resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 * @param int $id
 */
public function update(Request $request, $id)
{
    $requestData = $request->all();

    $hitungike = HitungIke::findOrFail($id);
    $hitungike->update($requestData);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil Mengupdate Data IKE",
    ]);
    return redirect('manage/hitung-ike');
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 */
public function destroy($id)
{
    HitungIke::destroy($id);

    return redirect('manage/hitung-ike')->with('flash_message', 'Hitung Ike deleted!');
}

```

```
}
```

Lampiran 9 UserController.php

```
<?php

namespace App\Http\Controllers\Manage;

use App\Http\Controllers\Controller;
use App\User;
use Illuminate\Http\Request;
use Session;
use DB;

class UsersController extends Controller {
    /**
     * Create a new controller instance.
     *
     * @return void
     */
    public function __construct() {
        $this->middleware('auth');
    }

    /**
     * Display a listing of the resource.
     *
     * @return \Illuminate\View\View
     */
    public function index(Request $request) {
        $keyword = $request->get('search');
        $perPage = 25;

        if (!empty($keyword)) {
            $use = User::where('name', 'LIKE', "%$keyword%")
                ->orWhere('email', 'LIKE', "%$keyword%")
                ->orWhere('password', 'LIKE', "%$keyword%")
                ->orWhere('paket', 'LIKE', "%$keyword%")
                ->orWhere('status', 'LIKE', "%$keyword%")
                ->orWhere('gender', 'LIKE', "%$keyword%")
                ->orWhere('fullname', 'LIKE', "%$keyword%")
                ->orWhere('phone', 'LIKE', "%$keyword%")
                ->orWhere('cellphone', 'LIKE', "%$keyword%")
                ->orWhere('dob', 'LIKE', "%$keyword%")
                ->orWhere('address', 'LIKE', "%$keyword%")
                ->orWhere('company', 'LIKE', "%$keyword%")
                ->orWhere('industry', 'LIKE', "%$keyword%")
                ->orWhere('position', 'LIKE', "%$keyword%")
                ->orWhere('bio', 'LIKE', "%$keyword%")
                ->orWhere('skills', 'LIKE', "%$keyword%")
                ->paginate($perPage);
        } else {
            $use = User::paginate($perPage);
        }

        return view('admin.use.index', compact('use'));
    }

    /**
     * Show the form for creating a new resource.
     */
}
```

```

/*
 * @return \Illuminate\View\View
 */
public function create() {
    return view('admin.use.create');
}

/**
 * Store a newly created resource in storage.
 *
 * @param \Illuminate\Http\Request $request
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function store(Request $request) {

    requestData = $request->all();

    User::create($requestData);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil menambah Use",
    ]);
    return redirect('use');
}

/**
 * Display the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function show($id) {
    $use = User::findOrFail($id);

    return view('admin.use.show', compact('use'));
}

/**
 * Show the form for editing the specified resource.
 *
 * @param int $id
 *
 * @return \Illuminate\View\View
 */
public function edit($id) {
    $use = User::findOrFail($id);

    return view('admin.use.edit', compact('use'));
}

/**
 * Update the specified resource in storage.
 *
 * @param int $id
 * @param \Illuminate\Http\Request $request
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function update($id, Request $request) {

```

```
$requestData = $request->all();

$use = User::findOrFail($id);
$use->update($requestData);

Session::flash("flash_notification", [
    "level" => "success",
    "message" => "Berhasil mengupdate User ",
]);
return redirect('use');
}

/**
 * Remove the specified resource from storage.
 *
 * @param int $id
 *
 * @return \Illuminate\Http\RedirectResponse|\Illuminate\Routing\Redirector
 */
public function destroy($id) {
    User::destroy($id);

    Session::flash("flash_notification", [
        "level" => "success",
        "message" => "Berhasil menghapus User ",
]);
return redirect('use');
}
```

Lampiran 10 Daftar Pertanyaan Wawancara

Narasumber : Ari Wibawanto
 Jabatan : Auditor PT. Adhi Karya (Persero) Tbk.
 Jam : 11:00 – 12:15
 Tempat : Kantor PT. Adhi Karya (Persero) Tbk. Semarang.
 Tanggal : 11 Agustus 2018

No.	Pertanyaan	Cek
1	Bagaimana pendapat Anda tentang sistem audit listrik ini ?	<input type="checkbox"/>
2	Apakah sistem ini sudah sesuai standar SNI 6096:2011 ?	<input type="checkbox"/>
3	Apakah dashboard sistem ini mudah dipahami ?	<input type="checkbox"/>
4	Apakah output laporan sistem ini sudah sesuai dengan standar?	<input type="checkbox"/>

Lampiran 11 Scan Hasil Wawancara

Narasumber : Bp. Ari Wibawanto
 Jabatan : Auditor PT. Adhi Karya (Persero) Tbk.
 Jam : 11:00 – 12:15
 Tempat : Kantor PT. Adhi Karya (Persero) Tbk. Semarang.
 Tanggal :

1. Bagaimana pendapat Anda tentang sistem audit listrik ini ?

Jawaban : Sangat bagus kalau buat audit energi listrik singular saja

2. Apakah sistem ini sudah sesuai standar SNI 6096:2011 ?

Jawaban : Kalau sistem dipakai selain audit energi singular saja tidak mungkin ya bagi kalau buat audit energi listrik memerlukan banyak parameter nya

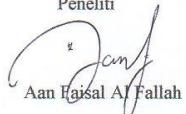
3. Apakah dashboard sistem ini mudah dipahami ?

Jawaban : Ya, mudah dipahami.

4. Apakah output laporan sistem ini sudah sesuai dengan standar?

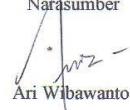
Jawaban : Ya, masih sesuai dengan bentuk laporan standar, kelengkapan yang masih harus ditambah seperti catatan cara pengukuran setelah dicantum

Peneliti



Aan Faisal Al Fallah

Narasumber



Ari Wibawanto