

**MODUL**  
**APLIKASI PENERIMAAN SISWA BARU PPDB**



**Disusun Oleh:**

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**SMK INFORMATIKA UTAMA**

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Aplikasi Penerimaan Siswa Baru PPDB ini, saya rancang menggunakan Laravel 5.4 dan ini adalah tampilan, sintaks, dan DBMS yang saya gunakan.

Untuk awal/step yang saya bikin dalam aplikasi penerimaan siswa baru PPDB ini adalah:

```
2024_06_08_031644_create_ujian_ppdb_table.php
```

Untuk Langkah pertama saya membuat migration yang Bernama create\_ujian\_ppdb\_table. Seperti contoh di atas. Dan ada juga sintak migrationnya:

```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class CreateUjianPpdbTable extends Migration
{
    public function up()
    {
        Schema::create('ujian_ppdbs', function (Blueprint $table) {
            $table->increments('id');
            $table->string('Nm_pendaftar');
            $table->string('Alamat');
            $table->string('Jenis_kelamin');
            $table->string('Jurusan');
            $table->date('Tgl_lahir');
            $table->string('NISN');
            $table->timestamps();
        });
    }

    public function down()
    {
        Schema::dropIfExists('ujian_ppdbs');
    }
}
```

Untuk Langkah selanjutnya saya melakukan pembuatan controller dan model:

ini nama controllernya

```
UjianPpdbController.php
```

Dan ini modelnya:

```
UjianPpdb.php
```

Selanjutnya saya membuat route dan tampilan view:

Ini routenya:

```
Route::get('/ujian_ppdb', 'UjianPpdbController@index')->name('ujian_ppdb.index');

Route::get('/ujian_ppdb/create', 'UjianPpdbController@create')->name('ujian_ppdb.create');

Route::post('/ujian_ppdb', 'UjianPpdbController@store')->name('ujian_ppdb.store');

Route::get('/ujian_ppdb/{id}', 'UjianPpdbController@show')->name('ujian_ppdb.show');

Route::get('/ujian_ppdb/{id}/edit', 'UjianPpdbController@edit')->name('ujian_ppdb.edit');

Route::put('/ujian_ppdb/{id}', 'UjianPpdbController@update')->name('ujian_ppdb.update');

Route::delete('/ujian_ppdb/{id}', 'UjianPpdbController@destroy')->name('ujian_ppdb.destroy');
```

Dan selanjutnya adalah tampilan viewnya yaitu, index, edit dan create:

Ini indexnya:

## Daftar Ujian PPDB

[Tambah Data](#)

[Cari](#)

Id	Nama Pendaftar	Alamat	Jenis Kelamin	Jurusan	Tanggal Lahir	NISN	Aksi
3	gibran	jalan haji mendik	Laki-laki	rpl	2024-07-05	654321098006	<a href="#">Edit</a> <a href="#">Hapus</a>
4	bule	jl. kemana aja	Laki-laki	rpl	2024-06-13	1243578569	<a href="#">Edit</a> <a href="#">Hapus</a>

Ini view create:

## Tambah Ujian PPDB

Nama Pendaftar:

Alamat:

Jenis Kelamin:

Jurusan:

Tanggal Lahir:

NISN:

Simpan

Ini tampilan edit:

### Edit Data Siswa

Nama Pendaftar:

gibran

Alamat:

jalan haji mendik

Jenis Kelamin:

Laki-laki

Jurusan:

rpl

Tanggal Lahir:

05/07/2024

NISN:

654321098006

Update

Ini tampilan delete:

## Daftar Ujian PPDB

[Tambah Data](#)

[Cari](#)

Id	Nama Pendaftar	Alamat	Jenis Kelamin	Jurusan	Tanggal Lahir	NISN	Aksi
----	----------------	--------	---------------	---------	---------------	------	------

Dan ini databasenya:

Server: 127.0.0.1 » Database: db\_ujian\_ppdb » Table: ujian\_ppdbs

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [F](#)

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
SELECT * FROM `ujian_ppdbs`
```

Profiling [ [Edit inline](#) ] [ [Edit](#) ] [ [Explain SQL](#) ] [ [Create PHP code](#) ] [ [Refresh](#) ]

id	Nm_pendaftar	Alamat	Jenis_kelamin	Jurusan	Tgl_lahir	NISN	created_at	updated_at
----	--------------	--------	---------------	---------	-----------	------	------------	------------

Query results operations

[Create view](#)

## SEMUA SINTAK APLIKASI PENERIMAAN SISWA BARU PPDB

Ini migrationnya: `2024_06_08_031644_create_ujian_ppdb_table`

```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class CreateUjianPpdbTable extends Migration
{
    public function up()
    {
        Schema::create('ujian_ppdb', function (Blueprint $table) {
            $table->increments('id');
            $table->string('Nm_pendaftar');
            $table->string('Alamat');
            $table->string('Jenis_kelamin');
            $table->string('Jurusan');
            $table->date('Tgl_lahir');
            $table->string('NISN');
            $table->timestamps();
        });
    }

    public function down()
    {
        Schema::dropIfExists('ujian_ppdb');
    }
}
```

Ini controllernya: `UjianPpdbController`

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\UjianPpdb;
use Illuminate\Support\Facades\Validator;
```

```

class UjianPpdbController extends Controller
{
    public function index(Request $request)
    {
        $keyword = $request->input('keyword');

        $ujianPpds = UjianPpdb::when($keyword, function ($query) use ($keyword)
        {
            return $query->where('Nm_pendaftar', 'LIKE', "%$keyword%")
                ->orWhere('Alamat', 'LIKE', "%$keyword%")
                ->orWhere('Jenis_kelamin', 'LIKE', "%$keyword%")
                ->orWhere('Jurusan', 'LIKE', "%$keyword%")
                ->orWhere('Tgl_lahir', 'LIKE', "%$keyword%")
                ->orWhere('NISN', 'LIKE', "%$keyword%");
        }->get());

        return view('ujian_ppdb.index', compact('ujianPpds', 'keyword'));
    }

    public function create()
    {
        return view('ujian_ppdb.create');
    }

    public function store(Request $request)
    {
        $validator = Validator::make($request->all(), [
            'Nm_pendaftar' => 'required|string',
            'Alamat' => 'required|string',
            'Jenis_kelamin' => 'required|string',
            'Jurusan' => 'required|string',
            'Tgl_lahir' => 'required|date',
            'NISN' => 'required|string'
        ]);

        if ($validator->fails()) {
            return redirect()->back()->withErrors($validator)->withInput();
        }

        UjianPpdb::create($request->all());
    }
}

```

```

        return redirect()->route('ujian_ppdb.index')->with('success', 'Data
berhasil disimpan');
    }
    public function edit($id)
    {

        $ujianPpdb = UjianPpdb::findOrFail($id);

        return view('ujian_ppdb.edit', compact('ujianPpdb'));
    }

    public function update(Request $request, $id)
    {
        $validator = Validator::make($request->all(), [
            'Nm_pendaftar' => 'required|string',
            'Alamat' => 'required|string',
            'Jenis_kelamin' => 'required|string',
            'Jurusan' => 'required|string',
            'Tgl_lahir' => 'required|date',
            'NISN' => 'required|string',
        ]);

        if ($validator->fails()) {
            return redirect()->back()->withErrors($validator)->withInput();
        }

        $ujianPpdb = UjianPpdb::findOrFail($id);

        $ujianPpdb->update($request->all());

        return redirect()->route('ujian_ppdb.index')->with('success', 'Data berhasil
diupdate');
    }

    public function destroy($id)
    {

        $ujianPpdb = UjianPpdb::findOrFail($id);

        $ujianPpdb->delete();
    }

```

```
        return redirect()->route('ujian_ppdb.index')->with('success', 'Data
berhasil dihapus');
    }
}
```

Ini modelnya: UjianPpdb

```
<?php

namespace App;

use Illuminate\Database\Eloquent\Model;

class UjianPpdb extends Model
{
    protected $table = 'ujian_ppdb';

    protected $primaryKey = 'id';

    protected $fillable = [
        'Nm_pendaftar',
        'Alamat',
        'Jenis_kelamin',
        'Jurusan',
        'Tgl_lahir',
        'NISN'
    ];
}
```

Ini view index: di dalem folder : ujian\_ppdb

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Daftar Ujian PPDB</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
```

```

<style>
  /* Custom Styling */
  body {
    background-color: #f8f9fa;
    font-family: Arial, sans-serif;
  }
  .table th, .table td {
    vertical-align: middle;
  }
  .btn-edit, .btn-delete {
    margin-right: 5px;
  }
  /* Responsiveness */
  @media (max-width: 768px) {
    .btn-edit, .btn-delete {
      margin-bottom: 5px;
    }
  }
  /* Animasi */
  .btn:hover {
    transform: scale(1.1);
  }
</style>
</head>
<body>
  <div class="container">
    <h1>Daftar Ujian PPDB</h1>
    <a href="{{ route('ujian_ppdb.create') }}" class="btn btn-primary mb-3">Tambah Data</a>
    <form action="{{ route('ujian_ppdb.index') }}" method="GET">
      <div class="form-group">
        <input type="text" name="keyword" class="form-control"
placeholder="Cari...">
      </div>
      <button type="submit" class="btn btn-primary">Cari</button>
    </form>

    <table class="table">
      <thead>
        <tr>
          <th>Id </th>
          <th>Nama Pendaftar</th>
          <th>Alamat</th>
          <th>Jenis Kelamin</th>
          <th>Jurusan</th>
        </tr>
      </thead>
    </table>
  </div>

```

```

        <th>Tanggal Lahir</th>
        <th>NISN</th>
        <th>Aksi</th>
    </tr>
</thead>
<tbody>
    @foreach($ujianPpds as $ujianPpdb)
    <tr>
        <td>{{ $ujianPpdb->id }}</td>
        <td>{{ $ujianPpdb->Nm_pendaftar }}</td>
        <td>{{ $ujianPpdb->Alamat }}</td>
        <td>{{ $ujianPpdb->Jenis_kelamin }}</td>
        <td>{{ $ujianPpdb->Jurusan }}</td>
        <td>{{ $ujianPpdb->Tgl_lahir }}</td>
        <td>{{ $ujianPpdb->NISN }}</td>
        <td>
            <a href="{{ route('ujian_ppdb.edit', $ujianPpdb->id) }}"
class="btn btn-warning btn-edit">Edit</a>
            <form action="{{ route('ujian_ppdb.destroy', $ujianPpdb-
>id) }}" method="POST" style="display: inline;">
                <input type="hidden" name="_method" value="delete" />
                {{ csrf_field() }}
                <button type="submit" class="btn btn-danger btn-
delete" onclick="return confirm('Apakah anda yakin ingin
menghapusnya?')">Hapus</button>
            </form>
        </td>
    </tr>
    @endforeach
</tbody>
</table>
</div>
</body>
</html>

```

Ini createnya:

```

<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Tambah Ujian PPDB</title>

```

```

<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<style>
  /* Custom Styling */
  body {
    background-color: #f8f9fa;
    font-family: Arial, sans-serif;
  }
  .table th, .table td {
    vertical-align: middle;
  }
  .btn-edit, .btn-delete {
    margin-right: 5px;
  }
  /* Responsiveness */
  @media (max-width: 768px) {
    .btn-edit, .btn-delete {
      margin-bottom: 5px;
    }
  }
  /* Animasi */
  .btn:hover {
    transform: scale(1.1);
  }
</style>
</head>
<body>
  <div class="container">
    <h1>Tambah Ujian PPDB</h1>
    <form action="{{ route('ujian_ppdb.store') }}" method="POST">
      {{ csrf_field() }}
      <div class="form-group">
        <label for="Nm_pendaftar">Nama Pendaftar:</label>
        <input type="text" name="Nm_pendaftar" id="Nm_pendaftar"
class="form-control">
      </div>
      <div class="form-group">
        <label for="Alamat">Alamat:</label>
        <input type="text" name="Alamat" id="Alamat" class="form-
control">
      </div>
      <div class="form-group">
        <label for="Jenis_kelamin">Jenis Kelamin:</label>
        <select name="Jenis_kelamin" id="Jenis_kelamin" class="form-
control">

```

```

        <option value="Laki-laki">Laki-laki</option>
        <option value="Perempuan">Perempuan</option>
    </select>
</div>
<div class="form-group">
    <label for="Jurusan">Jurusan:</label>
    <input type="text" name="Jurusan" id="Jurusan" class="form-
control">
</div>
<div class="form-group">
    <label for="Tgl_lahir">Tanggal Lahir:</label>
    <input type="date" name="Tgl_lahir" id="Tgl_lahir" class="form-
control">
</div>
<div class="form-group">
    <label for="NISN">NISN:</label>
    <input type="text" name="NISN" id="NISN" class="form-control">
</div>
<button type="submit" class="btn btn-primary">Simpan</button>
</form>
</div>
</body>
</html>

```

ini editnya:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Edit Data Siswa</title>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
</head>
<body>
    <div class="container">
        <h1>Edit Data Siswa</h1>
        <form action="{{ route('ujian_ppdb.update', $ujianPpdb->id) }}"
method="POST">
            {{ csrf_field() }}
            <input type="hidden" name="_method" value="PUT">
            <div class="form-group">
                <label for="Nm_pendaftar">Nama Pendaftar:</label>

```

```

        <input type="text" name="Nm_pendaftar" id="Nm_pendaftar"
class="form-control" value="{{ $ujianPpdb->Nm_pendaftar }}">
    </div>
    <div class="form-group">
        <label for="Alamat">Alamat:</label>
        <textarea name="Alamat" id="Alamat" class="form-control">{{
$ujianPpdb->Alamat }}</textarea>
    </div>
    <div class="form-group">
        <label for="Jenis_kelamin">Jenis Kelamin:</label>
        <input type="text" name="Jenis_kelamin" id="Jenis_kelamin"
class="form-control" value="{{ $ujianPpdb->Jenis_kelamin }}">
    </div>
    <div class="form-group">
        <label for="Jurusan">Jurusan:</label>
        <input type="text" name="Jurusan" id="Jurusan" class="form-
control" value="{{ $ujianPpdb->Jurusan }}">
    </div>
    <div class="form-group">
        <label for="Tgl_lahir">Tanggal Lahir:</label>
        <input type="date" name="Tgl_lahir" id="Tgl_lahir" class="form-
control" value="{{ $ujianPpdb->Tgl_lahir }}">
    </div>
    <div class="form-group">
        <label for="NISN">NISN:</label>
        <input type="text" name="NISN" id="NISN" class="form-control"
value="{{ $ujianPpdb->NISN }}">
    </div>
    <button type="submit" class="btn btn-primary">Update</button>
</form>
</div>
</body>
</html>

```

Ini routenya

```

Route::get('/ujian_ppdb', 'UjianPpdbController@index')->name('ujian_ppdb.index');
Route::get('/ujian_ppdb/create', 'UjianPpdbController@create')-
>name('ujian_ppdb.create');
Route::post('/ujian_ppdb', 'UjianPpdbController@store')-
>name('ujian_ppdb.store');

```

```
Route::get('/ujian_ppdb/{id}', 'UjianPpdbController@show')-  
>name('ujian_ppdb.show');  
Route::get('/ujian_ppdb/{id}/edit', 'UjianPpdbController@edit')-  
>name('ujian_ppdb.edit');  
Route::put('/ujian_ppdb/{id}', 'UjianPpdbController@update')-  
>name('ujian_ppdb.update');  
Route::delete('/ujian_ppdb/{id}', 'UjianPpdbController@destroy')-  
>name('ujian_ppdb.destroy');
```

Nama .env atau dbnya:

```
DB_CONNECTION=mysql  
DB_HOST=127.0.0.1  
DB_PORT=3306  
DB_DATABASE=db_ujian_ppdb  
DB_USERNAME=root  
DB_PASSWORD=
```