

TUTORIAL CRUD LARAVEL 12

Cara Untuk Membuat Laravel Di Laragon

1. download laragon di <https://laragon.org/download/>
2. install laragon di C:\laragon
3. jalankan laragon dengan mengklik tombol start all
4. buka menu laragon dan pilih menu quick app -> laravel
5. isi nama project laravel yang akan dibuat, misal minimarket
6. laragon akan membuat folder project laravel di C:\laragon\www\minimarket
7. buka folder project laravel di C:\laragon\www\minimarket di terminal dengan cara cd ke folder tersebut contoh cd minimarket
8. jalankan perintah code . untuk membuka project laravel di visual studio code
9. buat database terlebih dahulu di phpmyadmin dengan nama minimarket
10. buka file .env dan ubah DB_CONNECTION, DB_HOST, DB_PORT, DB_DATABASE, DB_USERNAME, DB_PASSWORD sesuai dengan database yang akan digunakan seperti contoh di bawah

```
.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:uDUqrh8iUferOmN6/QqKjXX+bt1kLh1yxghbDnmcjE=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8 LOG_DEPRECATIONS_CHANNEL=null
9 LOG_LEVEL=debug
10 ✨
11 DB_CONNECTION=mysql
12 DB_HOST=127.0.0.1
13 DB_PORT=3306
14 DB_DATABASE=minimarket
15 DB_USERNAME=root
16 DB_PASSWORD=
17
18 BROADCAST_DRIVER=log
19 CACHE_DRIVER=file
20 FILESYSTEM_DISK=local
21 QUEUE_CONNECTION=sync
22 SESSION_DRIVER=file
23 SESSION_LIFETIME=120
24
```

11. jalankan perintah php artisan migrate untuk menjalankan migration tujuanya untuk mengetes koneksi database berjalan atau tidak di terminal jika berhasil akan ada tampilan migrasi di terminal.

Langkah – langkah pengerjaan CRUD di laravel

- 1. ketik *php artisan make:model Biodata -m* untuk mebuat file model dan migrasi file mode untuk koneksi ke tabel database. File migrasi untuk membuat tabel biodata

```
C:\laragon\www\kode_contoh(main -> origin)
λ php artisan make:model Biodata -m

INFO Model [C:\laragon\www\kode_contoh\app\Models\Biodata.php] created successfully.
INFO Migration [C:\laragon\www\kode_contoh\database\Migrations\2025_07_16_094518_create_biodatas_table.php] created successfully.
```

- 2. Buka file migrasi di lokasi **Database->migrations** isi file migrasi dengan nama, umur dan alamat dan sesuaikan dengan tipe data masing – masing : string itu tipe karakter, integer itu tipe angka.. dan fungsi nullable() tidak wajib di isi di record data. Jika tidak ada nullable() berarti wajib di isi data

```
<?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(table: 'biodatas', callback: function (Blueprint $table): void {
            $table->id();
            $table->string(column: 'nama');
            $table->integer(column: 'umur');
            $table->string(column: 'alamat')->nullable();
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists(table: 'biodatas');
    }
};
```

Jalankan perintah *php artisan migrate*

```
C:\laragon\www\kode_contoh(main -> origin)
λ php artisan migrate

INFO Running migrations.

2025_07_16_094518_create_biodatas_table ..... 30ms DONE
```

3. buak file model biodata.php di **App->models**
isi sesuai filed di migrasi table **protected \$fillable = ['nama', 'umur', 'alamat'];**

```
<?php

namespace App\Models;

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

0 references | 0 implementations
class Biodata extends Model
{
    use HasFactory;

    0 references
    protected $fillable = ['nama', 'umur', 'alamat'];
}
```

4. Buat Menu biodata, buka folder Resource tempel->master
Tambahkan di navbar

```
1. <li class="nav-item">
2. <a class="nav-link active" href="/biodata">Biodata</a>
3. </li>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Bootstrap Example</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" re
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.
</head>
<body>
    <div class="container-fluid mb-5">
        <nav class="navbar navbar-expand-sm bg-info navbar-light">
            <div class="container-fluid">
                <ul class="navbar-nav">
                    <li class="nav-item">
                        <a class="nav-link active" href="/biodata">Biodata</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link active" href="/pelanggan">pelanggan</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="/barang">barang</a>
                    </li>
                </ul>
            </div>
        </nav>
    </div>
```

5. Buat di terminal php artisan make:controller BiodataController

```
C:\laragon\www\kode_contoh(main -> origin)
λ php artisan make:controller BiodataController

INFO Controller [C:\laragon\www\kode_contoh\app\Http\Controllers\BiodataController.php] created successfully.
```

6. Buka rute di folder routes->web.php
Tulis sebagai berikut, untuk menampilkan tabel.
Route::get('/biodata', [BiodataController::class, "index"])->name("biodata.index");

use App\Http\Controllers\BiodataController; // ini dapat dengan cara klik kanan di

BiodataController::class Dengan klik impor namespace dengan syarat sudah membuat BiodataController

```
use App\Http\Controllers\BiodataController;
/*
|-----
| Web Routes
|-----
|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider and all of them will
| be assigned to the "web" middleware group. Make something great!
|
*/
Route::get(uri: '/biodata', action: [BiodataController::class, "index"])->name(name: "biodata.index");
```

7. Buka folder App->Controllers->BiodataController.php

Tulis code public function indeks()

Biodata::latest()->paginate(10); // klik kanan Biodata:: untuk impor name space

use

App\Models\Biodata;

View: biodata.index itu berarti terletak resources ->biodata->index.blade.php

```
app > Http > Controllers > BiodataController.php > PHP > BiodataController > index()
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Biodata;
6  use Illuminate\Http\Request;
7
8  2 references | 0 implementations
9  class BiodataController extends Controller
10 {
11     1 reference | 0 overrides
12     public function index(): Factory|View
13     {
14         $data = Biodata::latest()->paginate(perPage: 10);
15         return view(view: 'biodata.index', data: compact(var_name: 'data'));
16     }
17 }
```

8. Buka app->Providers->AppServiceProvider.php tujuannya untuk menampilkan pagination khusus bootstraps 5
Tulis : `Paginator::useBootstrapFive();` di dalam public function boot():

9. Buka ke resources -> biodata -> index.blade.php
Ketik file indeks.blade.php seperti di bawah

Tampilan index

Biodata pelanggan barang karyawan supplayer user obat Logout

tambah

| no | nama | umur | alamat | aksi |
|----|------------|------|---------------|----------------------|
| 1 | Surya Wati | 35 | jl. Manunggal | <div>EDITHAPUS</div> |

10. Buka folder routes->web.php lengkapi route ya

```
Route::get(uri: '/biodata', action: [BiodataController::class, "index"])->name(name: "biodata.index");
Route::get(uri: '/biodata/create', action: [BiodataController::class, "create"])->name(name: 'biodata.create');
Route::post(uri: '/biodata', action: [BiodataController::class, "store"])->name(name: 'biodata.store');
Route::delete(uri: '/biodata/{id}', action: [BiodataController::class, "destroy"])->name(name: 'biodata.destroy');
Route::get(uri: '/biodata/{id}/edit', action: [BiodataController::class, "edit"])->name(name: 'biodata.edit');
Route::put(uri: '/biodata/{id}', action: [BiodataController::class, "update"])->name(name: 'biodata.update');
```

- a. Index : untuk menampilkan table
- b. Create : untuk membuat data
- c. Store : menyimpan data
- d. Destroy: menghapus data
- e. Edit : mengedit atau mengubah data
- f. Update : menyimpan perubahan data

11. Buka BiodataController.php tulis kode untuk memunculkan form tambah

```
1 reference | 0 overrides
public function create(): Factory|View
{
    return view(view: 'biodata.create');
}
```

12. Buka file di biodata->create.blade.php untuk form tambah

Tulis :

```
@extends(view: 'temple.master')
@section(section: 'content')

    <div class="container">
        <div class="row">
            <div class="col-md-12">

                <!-- menampilkan error input-->
                @if ($errors->any())
                    <div class="alert alert-danger md-3">
                        <strong>Whoops!</strong> Input anda anda yang salah<br><br>
                        <ul>
                            @foreach ($errors->all() as $error)
                                <li>{{ $error }}</li>
                            @endforeach
                        </ul>
                    </div>
                @endif

                <form action="{ route(name: 'biodata.store') }}" method="POST">

                    @csrf

                    <div class="mb-3 mt-3">
                        <label for="nama" class="form-label">Nama</label>
                        <input type="text" class="form-control" id="nama" placeholder="Enter nama" name="nama" required>
                    </div>

                    <div class="mb-3">
                        <label for="umur" class="form-label">Umur</label>
                        <input type="number" class="form-control" id="umur" placeholder="Enter umur" name="umur" required>
                    </div>

                    <div class="mb-3">
                        <label for="alamat" class="form-label">Alamat</label>
                        <input type="text" class="form-control" id="alamat" placeholder="Enter alamat" name="alamat">
                    </div>

                    <button type="submit" class="btn btn-primary">Submit</button>
                </form>
            </div>
        </div>
    </div>
@endsection
```

13. Buka BiodataController.php tulis kode untuk simpan data

```
1 reference | 0 overrides
public function store(Request $request): RedirectResponse
{
    $request->validate(rules: [
        'nama' => 'required|string|max:255',
        'umur' => 'required|integer|min:0',
        'alamat' => 'nullable|string|max:255',
    ]);

    Biodata::create(attributes: [
        'nama' => $request->nama,
        'umur' => $request->umur,
        'alamat' => $request->alamat,
    ]);

    return redirect()->route(route: 'biodata.index')->with(key: 'message', value: 'Biodata created successfully.');
```

14. Buka BiodataController.php tulis kode untuk edit data

```
1 reference | 0 overrides
public function edit($id): Factory|View
{
    $data = Biodata::where(column: 'id', operator: '=', value: $id)->first();
    return view(view: 'biodata.edit', data: compact(var_name: 'data'));
}
```

15. Buka file di biodata->edit.blade.php untuk form edit
Tulis :

```
resources > views > biodata > edit.blade.php
1  @extends(view: 'temple.master')
2  @section(section: 'content')
3
4
5      <div class="container">
6          <div class="row">
7              <div class="col-md-12">
8                  <form action="{{ route(name: 'pelanggan.update', parameters: $data->id) }}" method="POST">
9
10                     @csrf
11                     @method('PUT')
12
13                     <div class="mb-3 mt-3">
14                         <label for="nama" class="form-label">Nama</label>
15                         <input type="text" class="form-control" id="nama" placeholder="Enter name" name="nama"
16                             value="{{ old(key: 'nama', default: $data->nama) }}" required>
17                     </div>
18
19                     <div class="mb-3">
20                         <label for="umur" class="form-label">Umur</label>
21                         <input type="number" class="form-control" id="umur" placeholder="Enter umur" name="umur"
22                             value="{{ old(key: 'umur', default: $data->umur) }}" required>
23                     </div>
24
25                     <div class="mb-3">
26                         <label for="alamat" class="form-label">alamat</label>
27                         <input type="text" class="form-control" id="alamat" placeholder="Enter alamat" name="alamat"
28                             value="{{ old(key: 'alamat', default: $data->alamat) }}">
29                     </div>
30
31                     <button type="submit" class="btn btn-primary">Submit</button>
32                 </form>
33             </div>
34         </div>
35     </div>
36 @endsection
```

16. Buka BiodataController.php tulis kode untuk simpan update data

```
1 reference | 0 overrides
public function update(Request $request, $id): RedirectResponse
{
    $request->validate(rules: [
        'nama' => 'required|string|max:255',
        'umur' => 'required|integer|min:0',
        'alamat' => 'nullable|string|max:255',
    ]);

    Biodata::where(column: 'id', operator: '=', value: $id)->update(attributes: [
        'nama' => $request->nama,
        'umur' => $request->umur,
        'alamat' => $request->alamat,
    ]);

    return redirect()->route(route: 'biodata.index')->with(key: 'message', value: 'Biodata updated successfully.');
```

17. Buka BiodataController.php tulis kode untuk destroy atau hapus data

```
1 reference | 0 overrides
public function destroy($id): RedirectResponse
{
    Biodata::where(column: 'id', operator: '=', value: $id)->delete();
    return redirect()->route(route: 'biodata.index')->with(key: 'message', value: 'Biodata deleted successfully.');
```


CRUD UNTUK MENAMBAHKAN IMAGE ATAU GAMBAR:

1. Buka file migrasi di lokasi **Database->migrations** isi file migrasi tambahkan image
`$table->string('image')->nullable();`

```
database > migrations > 2025_07_16_094518_create_biodatas_table.php
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  return new class extends Migration {
8      /**
9       * Run the migrations.
10      */
11      public function up(): void
12      {
13          Schema::create(table: 'biodatas', callback: function (Blueprint $table): void {
14              $table->id();
15              $table->string(column: 'nama');
16              $table->integer(column: 'umur');
17              $table->string(column: 'alamat')->nullable();
18              $table->string(column: 'image')->nullable(); // Optional: if you want to store images
19              $table->timestamps();
20          });
21      }
22
23      /**
24       * Reverse the migrations.
25      */
26      public function down(): void
27      {
28          Schema::dropIfExists(table: 'biodatas');
29      }
30  };
31
```

2. Buka Models->biodata.php tambahkan image di fillable

```
app > Models > Biodata.php > ...
1  <?php
2
3  namespace App\Models;
4
5  use Illuminate\Database\Eloquent\Factories\HasFactory;
6  use Illuminate\Database\Eloquent\Model;
7
8  6 references | 0 implementations
9  class Biodata extends Model
10 {
11     use HasFactory;
12
13     0 references
14     protected $fillable = ['nama', 'umur', 'alamat', 'image'];
15 }
```

3. Buka terminal ketik menambahkan filed image di tabel biodatas
- php artisan migrate:refresh --path=database\migrations\2025_07_16_094518_create_biodatas_table.php

```
C:\laragon\www\kode_contoh(main -> origin)
λ php artisan migrate:refresh --path=database\migrations\2025_07_16_094518_create_biodatas_table.php

INFO Rolling back migrations.

2025_07_16_094518_create_biodatas_table ..... 134ms DONE
2024_09_07_013258_create_kariyawans_table ..... Migration not found
2024_09_28_020328_create_obats_table ..... Migration not found
2024_09_07_022533_create_suplayers_table ..... Migration not found
2024_09_02_114439_create_barangs_table ..... Migration not found
2024_08_03_030627_create_produk_s_table ..... Migration not found
2024_08_03_022432_create_konsumens_table ..... Migration not found
2019_12_14_000001_create_personal_access_tokens_table ..... Migration not found
2019_08_19_000000_create_failed_jobs_table ..... Migration not found
2014_10_12_100000_create_password_resets_table ..... Migration not found
2014_10_12_100000_create_password_reset_tokens_table ..... Migration not found
2014_10_12_000000_create_users_table ..... Migration not found

INFO Running migrations.

2025_07_16_094518_create_biodatas_table ..... 30ms DONE
```

4. Ubah resources->view->biodata-> indeks.blade.php
- Dengan menambahkan

```
<th>image</th>
<td></td>
```

```
resources > views > biodata > index.blade.php
1 @extends(view: 'template.master')
2 @section(section: 'content')
3
4
5 <div class="container">
6     <div class="row">
7         <div class="col-md-5">
8             @if(session()-has(key: 'message'))
9                 <div class="alert alert-success">
10                     <strong>Success!</strong> {{ session()-get(key: 'message') }}
11                 </div>
12             @endif
13         </div>
14     </div>
15     <div class="row">
16         <div class="col-md-1">
17             <a href="{{ route(name: 'biodata.create') }}" class="btn btn-primary mb-3">tambah</a>
18         </div>
19     </div>
20     <div class="row">
21         <div class="col-md-12">
22             <table class="table table-bordered">
23                 <thead>
24                     <tr>
25                         <th>no</th>
26                         <th>nama</th>
27                         <th>umur</th>
28                         <th>alamat</th>
29                         <th>image</th>
30                         <th>aksi</th>
31                     </tr>
32                 </thead>
33                 <tbody>
34                     @foreach ($data as $item)
35                         <tr>
36                             <td>{{ $loop->iteration + $data->firstItem() - 1 }}</td>
37                             <td>{{ $item->nama }}</td>
38                             <td>{{ $item->umur }}</td>
39                             <td>{{ $item->alamat }}</td>
40                             <td></td>
41                             <td>
42                                 <form onsubmit="return confirm('Apakah Anda Yakin ?');">
43                                     <a href="{{ route(name: 'biodata.destroy', parameters: $item->id) }}" method="POST">
44                                         @csrf
45                                         @method('DELETE')
46                                         <button type="submit" class="btn btn-sm btn-danger">HAPUS</button>
47                                     </form>
48                                 </td>
49                             </tr>
50                         @endforeach
51                     </tbody>
52                 </table>
53                 {{ $data->links() }}
54             </div>
55         </div>
56     </div>
57 @endsection
```

5. Ubah resources->view->biodata-> create.blade.php
- <form action="{{ route('biodata.store') }}" method="POST" enctype="multipart/form-data">

```
1.     <div class="mb-3">
2.     <label for="image">Image:</label>
3.     <input type="file" class="form-control" accept="image/*" id="image" name="image">
4.     </div>
```

```
C:\laragon\www\kode_contoh\resources - Contains emphasized items
@section(section: 'content')

    <div class="container">
        <div class="row">
            <div class="col-md-12">

                <!-- menampilkan error input-->
                @if ($errors->any())
                    <div class="alert alert-danger md-3">
                        <strong>Whoops!</strong> Input anda anda yang salah<br><br>
                        <ul>
                            @foreach ($errors->all() as $error)
                                <li>{{ $error }}</li>
                            @endforeach
                        </ul>
                    </div>
                @endif

                <form action="{{ route(name: 'biodata.store') }}" method="POST" enctype="multipart/form-data">

                    @csrf

                    <div class="mb-3 mt-3">
                        <label for="nama" class="form-label">Nama</label>
                        <input type="text" class="form-control" id="nama" placeholder="Enter nama" name="nama" required>
                    </div>

                    <div class="mb-3">
                        <label for="umur" class="form-label">Umur</label>
                        <input type="number" class="form-control" id="umur" placeholder="Enter umur" name="umur" required>
                    </div>

                    <div class="mb-3">
                        <label for="alamat" class="form-label">Alamat</label>
                        <input type="text" class="form-control" id="alamat" placeholder="Enter alamat" name="alamat">
                    </div>

                    <div class="mb-3">
                        <label for="image">Image:</label>
                        <input type="file" class="form-control" accept="image/*" id="image" name="image">
                    </div>

                    <button type="submit" class="btn btn-primary">Submit</button>
                </form>
            </div>
        </div>
    @endsection
```

6. Ubah resources->view->biodata-> edit.blade.php
- ```
<form action="{{ route('biodata.store') }}" method="POST" enctype="multipart/form-data">
```

```
1. <div class="mb-3">
2. <label for="image">Image:</label>
3. <input type="file" class="form-control" accept="image/*" id="image" name="image">
4. </div>
```

```
resources > views > biodata > edit.blade.php
1 @extends('template.master')
2 @section('content')
3
4
5 <div class="container">
6 <div class="row">
7 <div class="col-md-12">
8 <form action="{{ route('biodata.update', parameters: $data->id) }}" method="POST" enctype="multipart/form-data">
9
10 @csrf
11 @method('PUT')
12
13 <div class="mb-3 mt-3">
14 <label for="nama" class="form-label">Nama</label>
15 <input type="text" class="form-control" id="nama" placeholder="Enter name" name="nama"
16 value="{{ old('nama', default: $data->nama) }}" required>
17 </div>
18
19 <div class="mb-3">
20 <label for="umur" class="form-label">Umur</label>
21 <input type="number" class="form-control" id="umur" placeholder="Enter umur" name="umur"
22 value="{{ old('umur', default: $data->umur) }}" required>
23 </div>
24
25 <div class="mb-3">
26 <label for="alamat" class="form-label">alamat</label>
27 <input type="text" class="form-control" id="alamat" placeholder="Enter alamat" name="alamat"
28 value="{{ old('alamat', default: $data->alamat) }}">
29 </div>
30 <div class="mb-3">
31 <label for="image">Image:</label>
32 <input type="file" class="form-control" accept="image/*" id="image" name="image">
33 </div>
34 <button type="submit" class="btn btn-primary">Submit</button>
35 </form>
36 </div>
37 </div>
38 </div>
39 @endsection
```

7. Buka BiodataController.php tulis kode ubah public function store

```
// store method with image upload
1 reference|0 overrides
public function store(Request $request): RedirectResponse
{
 $request->validate(rules: [
 'nama' => 'required|string|max:255',
 'umur' => 'required|integer|min:0',
 'alamat' => 'nullable|string|max:255',
 'image' => 'nullable|image|mimes:jpeg,png,jpg,gif|max:2048',
]);

 $data = [
 'nama' => $request->nama,
 'umur' => $request->umur,
 'alamat' => $request->alamat,
];

 if ($request->hasFile(key: 'image')) {
 $imageName = time() . '.' . $request->image->extension();
 $request->image->move(public_path(path: 'gambar'), $imageName);
 $data['image'] = 'gambar/' . $imageName;
 }

 Biodata::create(attributes: $data);

 return redirect()->route(route: 'biodata.index')->with(key: 'message', value: 'Biodata created successfully.');
```

8. Buka BiodataController.php tulis kode ubah public function update

```
1 reference | 0 overrides
public function update(Request $request, $id): RedirectResponse
{
 $request->validate(rules: [
 'nama' => 'required|string|max:255',
 'umur' => 'required|integer|min:0',
 'alamat' => 'nullable|string|max:255',
 'image' => 'nullable|image|mimes:jpeg,png,jpg,gif|max:2048',
]);

 $data = [
 'nama' => $request->nama,
 'umur' => $request->umur,
 'alamat' => $request->alamat,
];

 if ($request->hasFile(key: 'image')) {
 $imageName = time() . '.' . $request->image->extension();
 $request->image->move(public_path(path: 'gambar'), $imageName);
 $data['image'] = 'gambar/' . $imageName;
 }

 Biodata::where(column: 'id', operator: '=', value: $id)->update(attributes: $data);

 return redirect()->route(route: 'biodata.index')->with(key: 'message', value: 'Biodata updated successfully.');
```

9. Tampilan Akhir halaman biodata index

Biodata pelanggan barang karyawan supplayer user obat Logout

Success! Biodata updated successfully.

tambah

| no | nama       | umur | alamat    | image                                                                                | aksi                 |
|----|------------|------|-----------|--------------------------------------------------------------------------------------|----------------------|
| 1  | andi satwa | 15   | jl mangga |  | <div>EDITHAPUS</div> |

Tampilan Create atau tambah dengan input file image

Biodata pelanggan barang karyawan supplayer user obat Logout

Nama

Enter nama

Umur

Enter umur

Alamat

Enter alamat

Image:

Pilih File

Tidak ada file yang dipilih

Submit