

Laporan Modul 5: Form Submission & Data Validation

Mata Kuliah: Workshop Web Lanjut

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Abstrak

Laporan ini membahas hasil praktikum dari **Modul 5: Form Submission & Data Validation** pada mata kuliah *Workshop Web Lanjut*. Tujuan modul ini adalah agar mahasiswa memahami alur pengiriman form pada Laravel (request → controller → response), mekanisme keamanan CSRF token, serta berbagai teknik validasi data — mulai dari validasi dasar, pesan error kustom, hingga implementasi multi-step form menggunakan session. Melalui praktikum mahasiswa belajar menampilkan form, memvalidasi input, menampilkan pesan error, serta menyimpan data sementara di session untuk form bertahap.

1. Dasar Teori

- **Arsitektur Request–Response di Laravel**

Form di-submit dari *view*, diterima oleh *route* dan *controller*, kemudian controller melakukan validasi dan mengembalikan *response* (view/redirect). Data diterima sebagai instance `Request` dan dapat diakses dengan `$request->input('field')` atau divalidasi langsung dengan `$request->validate([...])`.

- **CSRF Protection**

Semua form method POST/PUT/PATCH/DELETE harus menyertakan `@csrf` di Blade. Direktif ini menghasilkan input `_token` yang dicek oleh middleware — tanpa token valid request akan diblokir (error 419).

- **Validasi Data**

Cara umum validasi di Laravel:

1. `$request->validate([...])` di controller.
2. Form Request class (terpisah) untuk validasi kompleks.
3. `Validator` facade untuk skenario manual.

Rule umum: `required`, `email`, `integer`, `min`, `max`, `confirmed`, `unique`, `regex`, dsb.

- **Menampilkan Error & Old Input**

Laravel otomatis mengirim error ke view jika validasi gagal; gunakan `@error('field')` atau `$errors->all()` untuk menampilkannya. `old('field')` memulihkan input lama setelah redirect.

2. Langkah-Langkah Praktikum

2.1 Praktikum 1 — Form Dasar dengan Validasi & Redirect

Langkah-langkah:

1. Buat proyek baru

```
adhag@Adhagusti MINGW64 /c/web_lanjut/web-lanjut-2024573010009/projects (main)
$ laravel new form-app
```

2. Tambahkan route di `routes/web.php`

```
projects > form-app > routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\FormController;
5  use App\Http\Controllers\RegisterController;
6
7  Route::get('/', function () {
8      return view('welcome');
9  });
10
11 Route::get('/form', [FormController::class, 'showForm'])->name('form.show');
12 Route::post('/form', [FormController::class, 'handleForm'])->name('form.handle');
13 Route::get('/result', [FormController::class, 'showResult'])->name('form.result');
14 Route::get('/register', [RegisterController::class, 'showForm'])->name('register.show');
15 Route::post('/register', [RegisterController::class, 'handleForm'])->name('register.handle');
```

3. Buat controller `FormController`

```
adhag@Adhagusti MINGW64 /c/web_lanjut/web-lanjut-2024573010009/projects/form-app (main)
• $ php artisan make:controller Formcontroller

INFO Controller [C:\web_lanjut\web-lanjut-2024573010009\projects\form-app\app\Http\Controllers\Formcontroller.php] created successfully.
```

4. Edit File Form Controller:

```

<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;

class Formcontroller extends Controller
{
    public function showForm()
    {
        return view('form');
    }
    public function handleForm(Request $request)
    {
        $validated = $request->validate([
            'name' => 'required|string|max:255',
            'email' => 'required|email',
            'age' => 'required|integer|min:1',
            'password' => 'required|min:6',
            'gender' => 'required',
            'role' => 'required',
            'bio' => 'required',
            'confirm' => 'accepted',
        ]);

        return redirect()->route('form.result')->with('data', $validated);
    }
    public function showResult()
    {
        $data = session('data');
        return view('result', compact('data'));
    }
}

```

5. Buat view `form.blade.php`

```

<!DOCTYPE html>
<html>
<head>
    <title>Pengiriman Form</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.cs
s" rel="stylesheet">
</head>
<body class="container mt-5">
    <h2>Form Registrasi</h2>
    <form method="POST" action="{{ route('form.handle') }}">
        @csrf
        <div class="mb-3">
            <label>Nama</label>
            <input type="text" name="name" class="form-control" value="{{
old('name') }}">

```

```

        @error('name') <div class="text-danger">{{ $message }}</div>
@enderror
    </div>
    <div class="mb-3">
        <label>Email</label>
        <input type="email" name="email" class="form-control" value="{{
old('email') }}">
        @error('email') <div class="text-danger">{{ $message }}</div>
@enderror
    </div>
    <div class="mb-3">
        <label>Umur</label>
        <input type="number" name="age" class="form-control" value="{{
old('age') }}">
        @error('age') <div class="text-danger">{{ $message }}</div>
@enderror
    </div>
    <div class="mb-3">
        <label>Password</label>
        <input type="password" name="password" class="form-control">
        @error('password') <div class="text-danger">{{ $message }}
</div> @enderror
    </div>
    <div class="mb-3">
        <label>Jenis Kelamin</label><br>
        <div class="form-check form-check-inline">
            <input class="form-check-input" type="radio" name="gender"
value="male"> Laki-laki
        </div>
        <div class="form-check form-check-inline">
            <input class="form-check-input" type="radio" name="gender"
value="female"> Perempuan
        </div>
        @error('gender') <div class="text-danger">{{ $message }}</div>
@enderror
    </div>
    <div class="mb-3">
        <label>Role</label>
        <select name="role" class="form-select">
            <option value="">-- Pilih Role --</option>
            <option value="user">User</option>
            <option value="admin">Admin</option>
        </select>
        @error('role') <div class="text-danger">{{ $message }}</div>
@enderror
    </div>
    <div class="mb-3">
        <label>Bio</label>
        <textarea name="bio" class="form-control">{{ old('bio') }}
</textarea>
        @error('bio') <div class="text-danger">{{ $message }}</div>
@enderror
    </div>
    <div class="form-check mb-3">

```

```

        <input type="checkbox" id="confirm" name="confirm" class="form-check-input">
        <label class="form-check-label" for="confirm">Saya konfirmasi
informasi sudah benar</label>
        @error('confirm') <div class="text-danger">{{ $message }}</div>
    @enderror
    </div>
    <button type="submit" class="btn btn-primary" id="submitBtn"
disabled>Submit</button>
</form>

<script>
    document.getElementById('confirm').addEventListener('change',
function() {
        document.getElementById('submitBtn').disabled = !this.checked;
    });
</script>
</body>
</html>

```

6. Buat view `result.blade.php`

```

projects > form-app > resources > views > result.blade.php
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Hasil Form</title>
5      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
6  </head>
7  <body class="container mt-5">
8      <h2>Data Form yang Dikirim</h2>
9      @if ($data)
10         <ul class="list-group">
11             @foreach ($data as $key => $value)
12                 <li class="list-group-item"><strong>{{ ucfirst($key) }}:</strong> {{ $value }}</li>
13             @endforeach
14         </ul>
15     @else
16         <p>Tidak ada data tersedia.</p>
17     @endif
18 </body>
19 </html>

```

Hasil Pengujian:

- <http://127.0.0.1:8000/form> → menampilkan **Form Registrasi** (nama, email, umur, password, jenis kelamin, role, bio, checkbox konfirmasi).

127.0.0.1:8000/form

Summarize🔗🔍🌟🔖👤

Form Registrasi

Nama

Email

Umur

Password

Jenis Kelamin

Laki-laki

Perempuan

Role

-- Pilih Role --

Bio

☐ Saya konfirmasi informasi sudah benar

Submit

- Submit tanpa isi → kembali ke form dan tampilkan error per field (contoh: *The name field is required*).

127.0.0.1:8000/form

🔗🔍🌟🔖👤⋮

Form Registrasi

Nama

The name field is required.

Email

as@gmail.com

Umur

1

Password

The password field must be at least 6 characters.

Jenis Kelamin

Laki-laki

Perempuan

Role

-- Pilih Role --

Bio

a

☐ Saya konfirmasi informasi sudah benar

Submit

- Submit valid → redirect ke <http://127.0.0.1:8000/result> dan menampilkan data yang dikirim.

127.0.0.1:8000/result

Summarize🔗🔍🌟🔖👤⋮

Data Form yang Dikirim

Name: adha
Email: adhagustiharmadan@gmail.com
Age: 18
Password: adga213
Gender: male
Role: admin
Bio: mhs ti 2024573010009
Confirm: on

2.2 Praktikum 2 — Validasi Kustom & Pesan Error Sendiri

Langkah-langkah:

1. Tambahkan route `/register` (GET & POST).

```
projects > form-app > routes > web.php
1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\FormController;
5  use App\Http\Controllers\RegisterController;
6
7  Route::get('/', function () {
8      return view('welcome');
9  });
10
11 Route::get('/form', [FormController::class, 'showForm'])->name('form.show');
12 Route::post('/form', [FormController::class, 'handleForm'])->name('form.handle');
13 Route::get('/result', [FormController::class, 'showResult'])->name('form.result');
14 Route::get('/register', [RegisterController::class, 'showForm'])->name('register.show');
15 Route::post('/register', [RegisterController::class, 'handleForm'])->name('register.handle');
```

2. Buat controller `RegisterController` :

```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;

class RegisterController extends Controller
{
    public function showForm()
    {
        return view('register');
    }
    public function handleForm(Request $request)
    {
        $customMessages = [
            'name.required' => 'Kami perlu tahu nama Anda!',
            'email.required' => 'Email Anda penting bagi kami.',
            'email.email' => 'Hmm... itu tidak terlihat seperti email yang valid.',
            'password.required' => 'Jangan lupa untuk set password.',
            'password.min' => 'Password harus minimal :min karakter.',
            'username.regex' => 'Username hanya boleh berisi huruf dan angka.',
        ];

        $request->validate([
            'name' => 'required|string|max:100',
            'email' => 'required|email',
            'username' => ['required', 'regex:/^[a-zA-Z0-9]+$/', ],
            'password' => 'required|min:6',
        ], $customMessages);

        return redirect()->route('register.show')->with('success', 'Registrasi berhasil!');
    }
}
```

3. Buat view `register.blade.php` yang menampilkan pesan error kustom dan notifikasi sukses.

```

<!DOCTYPE html>
<html>
<head>
  <title>Form Register</title>
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.cs
s" rel="stylesheet">
</head>
<body class="container mt-5">
  <h2>Contoh Validasi Kustom</h2>

  @if (session('success'))
    <div class="alert alert-success">
      {{ session('success') }}
    </div>
  @endif

  <form method="POST" action="{{ route('register.handle') }}">
    @csrf
    <div class="mb-3">
      <label for="name">Nama Lengkap</label>
      <input name="name" class="form-control" value="{{ old('name')
    }}">
      @error('name') <div class="text-danger">{{ $message }}</div>
    @enderror
    </div>
    <div class="mb-3">
      <label for="email">Alamat Email</label>
      <input name="email" class="form-control" value="{{ old('email')
    }}">
      @error('email') <div class="text-danger">{{ $message }}</div>
    @enderror
    </div>
    <div class="mb-3">
      <label for="username">Username</label>
      <input name="username" class="form-control" value="{{
old('username') }}">
      @error('username') <div class="text-danger">{{ $message }}
    </div> @enderror
    </div>
    <div class="mb-3">
      <label for="password">Password</label>
      @error('password') <div class="text-danger">{{ $message }}
    </div> @enderror
    <input type="password" name="password" class="form-control">
    </div>
    <button type="submit" class="btn btn-primary">Register</button>
  </form>
</body>
</html>

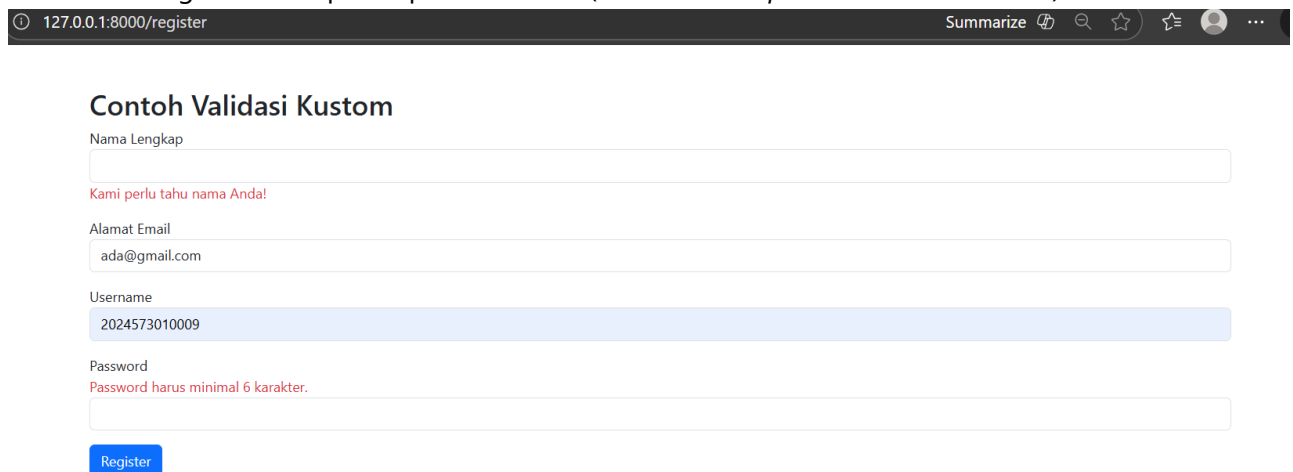
```

Hasil Pengujian:

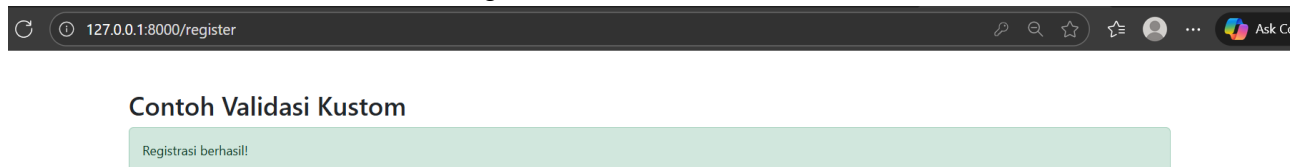
- <http://127.0.0.1:8000/register> → menampilkan form register.



- Submit kosong → menampilkan pesan kustom (contoh: *Kami perlu tahu nama Anda!*).



- Submit valid → muncul alert sukses: *Registrasi berhasil!!*.



2.3 Praktikum 3 — Multi-Step Form dengan Session

Langkah-langkah:

1. Buat Project Laravel Baru

```
adhag@Adhagusti MINGW64 /c/web_lanjut/web-lanjut-2024573010009/projects (main)
$ laravel new multistep-form-app
```

2. Buat file layout di `resources/views/layouts/app.blade.php`:

```
<!DOCTYPE html>
<html lang="id">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```

    <title>@yield('title', 'Multi-Step Form')</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
    <style>
        .step-progress {
            margin-bottom: 30px;
        }
        .step-item {
            text-align: center;
            position: relative;
        }
        .step-item .step-number {
            width: 40px;
            height: 40px;
            border-radius: 50%;
            background: #e9ecef;
            display: flex;
            align-items: center;
            justify-content: center;
            margin: 0 auto 10px;
            font-weight: bold;
        }
        .step-item.active .step-number {
            background: #007bff;
            color: white;
        }
        .step-item.completed .step-number {
            background: #28a745;
            color: white;
        }
        .card {
            box-shadow: 0 0.5rem 1rem rgba(0, 0, 0, 0.15);
        }
    </style>
</head>
<body>
    <nav class="navbar navbar-dark bg-dark">
        <div class="container">
            <span class="navbar-brand mb-0 h1">Multi-Step Form Demo</span>
        </div>
    </nav>

    <div class="container mt-4">
        @yield('content')
    </div>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
></script>
</body>
</html>

```

3. Buat controller nya MultiStepFormController

```
adhag@Adhagusti MINGW64 /c/web_lanjut/web-lanjut-2024573010009/projects/multistep-form-app (main)
$ php artisan make:controller MultiStepFormController

INFO Controller [C:\web_lanjut\web-lanjut-2024573010009\projects\multistep-form-app\app\Http\Control
lers\MultiStepFormController.php] created successfully.
```

Lalu isi

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class MultiStepFormController extends Controller
{
    // Step 1 - Informasi Pribadi
    public function showStep1()
    {
        return view('multistep.step1', [
            'step' => 1,
            'progress' => 0
        ]);
    }

    public function storeStep1(Request $request)
    {
        $validated = $request->validate([
            'full_name' => 'required|string|max:100',
            'email' => 'required|email',
            'phone' => 'required|string|max:15',
            'address' => 'required|string|max:200',
        ]);

        // Simpan data ke session
        session(['step1_data' => $validated]);

        return redirect()->route('multistep.step2');
    }

    // Step 2 - Informasi Pendidikan
    public function showStep2()
    {
        if (!session('step1_data')) {
            return redirect()->route('multistep.step1');
        }

        return view('multistep.step2', [
            'step' => 2,
            'progress' => 33
        ]);
    }
}
```

```
public function storeStep2(Request $request)
{
    $validated = $request->validate([
        'education' => 'required|string|max:50',
        'institution' => 'required|string|max:100',
        'graduation_year' => 'required|integer|min:1900|max:' .
date('Y'),
        'major' => 'required|string|max:100',
    ]);

    session(['step2_data' => $validated]);

    return redirect()->route('multistep.step3');
}

// Step 3 - Pengalaman Kerja
public function showStep3()
{
    if (!session('step1_data') || !session('step2_data')) {
        return redirect()->route('multistep.step1');
    }

    return view('multistep.step3', [
        'step' => 3,
        'progress' => 66
    ]);
}

public function storeStep3(Request $request)
{
    $validated = $request->validate([
        'current_job' => 'nullable|string|max:100',
        'company' => 'nullable|string|max:100',
        'experience_years' => 'required|integer|min:0|max:50',
        'skills' => 'required|string|max:200',
    ]);

    session(['step3_data' => $validated]);

    return redirect()->route('multistep.summary');
}

// Summary - Ringkasan Data
public function showSummary()
{
    $step1Data = session('step1_data');
    $step2Data = session('step2_data');
    $step3Data = session('step3_data');

    if (!$step1Data || !$step2Data || !$step3Data) {
        return redirect()->route('multistep.step1');
    }
}
```

```

        return view('multistep.summary', [
            'step' => 4,
            'progress' => 100,
            'step1Data' => $step1Data,
            'step2Data' => $step2Data,
            'step3Data' => $step3Data
        ]);
    }

    // Complete - Proses Final
    public function complete(Request $request)
    {
        // Di sini Anda bisa menyimpan data ke database
        // Untuk demo, kita hanya akan menampilkan pesan sukses

        $allData = [
            'personal' => session('step1_data'),
            'education' => session('step2_data'),
            'experience' => session('step3_data')
        ];

        // Hapus session data
        $request->session()->forget(['step1_data', 'step2_data',
        'step3_data']);

        return view('multistep.complete', [
            'data' => $allData
        ]);
    }
}
php`

```

4. Tambahkan route untuk step 1–3 + summary + complete

```

1  <?php
2
3  use Illuminate\Support\Facades\Route;
4  use App\Http\Controllers\MultiStepFormController;
5
6  Route::get('/', function () {
7      return view('welcome');
8  });
9  Route::get('/multistep', [MultiStepFormController::class, 'showStep1'])->name('multistep.step1');
10 Route::post('/multistep/step1', [MultiStepFormController::class, 'storeStep1'])->name('multistep.storeStep1');
11 Route::get('/multistep/step2', [MultiStepFormController::class, 'showStep2'])->name('multistep.step2');
12 Route::post('/multistep/step2', [MultiStepFormController::class, 'storeStep2'])->name('multistep.storeStep2');
13 Route::get('/multistep/step3', [MultiStepFormController::class, 'showStep3'])->name('multistep.step3');
14 Route::post('/multistep/step3', [MultiStepFormController::class, 'storeStep3'])->name('multistep.storeStep3');
15 Route::get('/multistep/summary', [MultiStepFormController::class, 'showSummary'])->name('multistep.summary');
16 Route::post('/multistep/complete', [MultiStepFormController::class, 'complete'])->name('multistep.complete');

```

5. Buat view `multistep/step1.blade.php`, `step2.blade.php`, `step3.blade.php`, `summary.blade.php`, `complete.blade.php` dengan progress bar dan tombol navigasi.

Step 1 - Informasi Pribadi `resources/views/multistep/step1.blade.php`

```

@extends('layouts.app')

@section('title', 'Step 1 - Informasi Pribadi')

@section('content')
<div class="row justify-content-center">
    <div class="col-md-8">
        <!-- Progress Bar -->
        <div class="step-progress">
            <div class="row">
                <div class="col-3 step-item active">
                    <div class="step-number">1</div>
                    <div>Informasi Pribadi</div>
                </div>
                <div class="col-3 step-item">
                    <div class="step-number">2</div>
                    <div>Pendidikan</div>
                </div>
                <div class="col-3 step-item">
                    <div class="step-number">3</div>
                    <div>Pengalaman</div>
                </div>
                <div class="col-3 step-item">
                    <div class="step-number">4</div>
                    <div>Ringkasan</div>
                </div>
            </div>
        </div>
    </div>

    <div class="card">
        <div class="card-header">
            <h4 class="mb-0">Step 1: Informasi Pribadi</h4>
        </div>
        <div class="card-body">
            <form method="POST" action="{{ route('multistep.storeStep1') }}">
                @csrf

                <div class="row">
                    <div class="col-md-6 mb-3">
                        <label for="full_name" class="form-label">Nama
Lengkap *</label>
                        <input type="text" class="form-control
@error('full_name') is-invalid @enderror"
                            id="full_name" name="full_name"
                            value="{{ old('full_name',
session('step1_data.full_name')) ?? '' }}"
                            required>
                        @error('full_name')
                            <div class="invalid-feedback">{{ $message }}
                        </div>
                        @enderror
                    </div>

```

```

        <div class="col-md-6 mb-3">
            <label for="email" class="form-label">Email *
        </label>
            <input type="email" class="form-control
@error('email') is-invalid @enderror"
                id="email" name="email"
                value="{{ old('email',
session('step1_data.email')) ?? '' }}"
                required>
            @error('email')
                <div class="invalid-feedback">{{ $message }}
            </div>
            @enderror
        </div>
    </div>

    <div class="row">
        <div class="col-md-6 mb-3">
            <label for="phone" class="form-label">Nomor
Telepon *</label>
            <input type="text" class="form-control
@error('phone') is-invalid @enderror"
                id="phone" name="phone"
                value="{{ old('phone',
session('step1_data.phone')) ?? '' }}"
                required>
            @error('phone')
                <div class="invalid-feedback">{{ $message }}
            </div>
            @enderror
        </div>

        <div class="col-md-6 mb-3">
            <label for="address" class="form-label">Alamat *
        </label>
            <input type="text" class="form-control
@error('address') is-invalid @enderror"
                id="address" name="address"
                value="{{ old('address',
session('step1_data.address')) ?? '' }}"
                required>
            @error('address')
                <div class="invalid-feedback">{{ $message }}
            </div>
            @enderror
        </div>
    </div>

    <div class="d-flex justify-content-between">
        <div></div> <!-- Spacer -->
        <button type="submit" class="btn btn-primary">
            Lanjut ke Step 2 <i class="fas fa-arrow-right
ms-2"></i>

```

```
</button>
</div>
</form>
</div>
</div>
</div>
</div>
@endsection
```

Step 2 - Informasi Pendidikan <resources/views/multistep/step2.blade.php>

```
@extends('layouts.app')

@section('title', 'Step 2 - Informasi Pendidikan')

@section('content')


>✓</div>


>2</div>


>3</div>


>4</div>


#### <form method="POST" action="{ route('multistep.storeStep2') }"> @csrf <label for="education" class="form-label">Tingkat


```



```

Pendidikan *</label>
        <select class="form-select @error('education') is-
invalid @enderror"
            id="education" name="education" required>
        <option value="">Pilih Tingkat
Pendidikan</option>
            <option value="SMA" {{ old('education',
session('step2_data.education')) ?? '' }} == 'SMA' ? 'selected' : ''
}}>SMA</option>
            <option value="D3" {{ old('education',
session('step2_data.education')) ?? '' }} == 'D3' ? 'selected' : ''
}}>D3</option>
            <option value="S1" {{ old('education',
session('step2_data.education')) ?? '' }} == 'S1' ? 'selected' : ''
}}>S1</option>
            <option value="S2" {{ old('education',
session('step2_data.education')) ?? '' }} == 'S2' ? 'selected' : ''
}}>S2</option>
            <option value="S3" {{ old('education',
session('step2_data.education')) ?? '' }} == 'S3' ? 'selected' : ''
}}>S3</option>
        </select>
        @error('education')
        <div class="invalid-feedback">{{ $message }}
</div>
        @enderror
    </div>

    <div class="row">
        <div class="col-md-8 mb-3">
            <label for="institution" class="form-label">Nama
Institusi *</label>
            <input type="text" class="form-control
@error('institution') is-invalid @enderror"
                id="institution" name="institution"
                value="{{ old('institution',
session('step2_data.institution')) ?? '' }}"
                required>
            @error('institution')
            <div class="invalid-feedback">{{ $message }}
</div>
            @enderror
        </div>

        <div class="col-md-4 mb-3">
            <label for="graduation_year" class="form-
label">Tahun Lulus *</label>
            <input type="number" class="form-control
@error('graduation_year') is-invalid @enderror"
                id="graduation_year"
                name="graduation_year"
                value="{{ old('graduation_year',
session('step2_data.graduation_year')) ?? '' }}"
                min="1900" max="{{ date('Y') }}" required>

```

Step 3 - Pengalaman Kerja <resources/views/multistep/step3.blade.php>

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```

        <div class="col-3 step-item completed">
            <div class="step-number">✓</div>
            <div>Informasi Pribadi</div>
        </div>
        <div class="col-3 step-item completed">
            <div class="step-number">✓</div>
            <div>Pendidikan</div>
        </div>
        <div class="col-3 step-item active">
            <div class="step-number">3</div>
            <div>Pengalaman</div>
        </div>
        <div class="col-3 step-item">
            <div class="step-number">4</div>
            <div>Ringkasan</div>
        </div>
    </div>
</div>

<div class="card">
    <div class="card-header">
        <h4 class="mb-0">Step 3: Pengalaman Kerja</h4>
    </div>
    <div class="card-body">
        <form method="POST" action="{{ route('multistep.storeStep3')
}}}">

            @csrf

            <div class="row">
                <div class="col-md-6 mb-3">
                    <label for="current_job" class="form-
label">Pekerjaan Saat Ini</label>
                    <input type="text" class="form-control
@error('current_job') is-invalid @enderror"
                        id="current_job" name="current_job"
                        value="{{ old('current_job',
session('step3_data.current_job')) ?? '' }}">
                    @error('current_job')
                        <div class="invalid-feedback">{{ $message }}
                    </div>
                    @enderror
                </div>

                <div class="col-md-6 mb-3">
                    <label for="company" class="form-
label">Perusahaan</label>
                    <input type="text" class="form-control
@error('company') is-invalid @enderror"
                        id="company" name="company"
                        value="{{ old('company',
session('step3_data.company')) ?? '' }}">
                    @error('company')
                        <div class="invalid-feedback">{{ $message }}
                    </div>
                </div>
            </div>
        </form>
    </div>
</div>

```

```

        @enderror
    </div>
</div>

<div class="row">
    <div class="col-md-6 mb-3">
        <label for="experience_years" class="form-label">Pengalaman Kerja (Tahun) *</label>
        <input type="number" class="form-control @error('experience_years') is-invalid @enderror"
            id="experience_years"
            name="experience_years"
            value="{{ old('experience_years', session('step3_data.experience_years')) ?? '' }}"
            min="0" max="50" required>
        @error('experience_years')
        <div class="invalid-feedback">{{ $message }}
    </div>
    @enderror
    </div>
</div>

<div class="mb-3">
    <label for="skills" class="form-label">Keahlian/Keterampilan *</label>
    <textarea class="form-control @error('skills') is-invalid @enderror"
        id="skills" name="skills" rows="3"
        placeholder="Contoh: PHP, Laravel, JavaScript, MySQL..."
        required>{{ old('skills', session('step3_data.skills')) ?? '' }}</textarea>
    @error('skills')
    <div class="invalid-feedback">{{ $message }}
</div>
    @enderror
    <div class="form-text">Pisahkan setiap keahlian dengan koma</div>
</div>

<div class="d-flex justify-content-between">
    <a href="{{ route('multistep.step2') }}" class="btn btn-secondary">
        <i class="fas fa-arrow-left me-2"></i>Kembali
    </a>
    <button type="submit" class="btn btn-primary">
        Lihat Ringkasan <i class="fas fa-arrow-right ms-2"></i>
    </button>
</div>
</form>
</div>
</div>
</div>

```

```
</div>
@endsection
```

Summary - Ringkasan Data

resources/views/multistep/summary.blade.php

```
@extends('layouts.app')

@section('title', 'Ringkasan Data')

@section('content')


<!-- Progress Bar -->


>✓</div>


>✓</div>


>✓</div>


>4</div>



#### Ringkasan Data Anda</h4>



<!-- Informasi Pribadi -->


##### <i class="fas fa-user me-2"></i>Informasi Pribadi


```

```

        <strong>Nama Lengkap:</strong><br>
        {{ $step1Data['full_name'] }}
    </div>
    <div class="col-md-6">
        <strong>Email:</strong><br>
        {{ $step1Data['email'] }}
    </div>
</div>
<div class="row mt-2">
    <div class="col-md-6">
        <strong>Telepon:</strong><br>
        {{ $step1Data['phone'] }}
    </div>
    <div class="col-md-6">
        <strong>Alamat:</strong><br>
        {{ $step1Data['address'] }}
    </div>
</div>
</div>

<!-- Informasi Pendidikan -->
<div class="mb-4">
    <h5 class="border-bottom pb-2">
        <i class="fas fa-graduation-cap me-2"></i>Informasi
Pendidikan

        <a href="{{ route('multistep.step2') }}" class="btn
btn-sm btn-outline-primary float-end">Edit</a>
    </h5>
    <div class="row">
        <div class="col-md-4">
            <strong>Tingkat Pendidikan:</strong><br>
            {{ $step2Data['education'] }}
        </div>
        <div class="col-md-4">
            <strong>Institusi:</strong><br>
            {{ $step2Data['institution'] }}
        </div>
        <div class="col-md-4">
            <strong>Tahun Lulus:</strong><br>
            {{ $step2Data['graduation_year'] }}
        </div>
    </div>
    <div class="row mt-2">
        <div class="col-12">
            <strong>Jurusan:</strong><br>
            {{ $step2Data['major'] }}
        </div>
    </div>
</div>

<!-- Pengalaman Kerja -->
<div class="mb-4">
    <h5 class="border-bottom pb-2">
        <i class="fas fa-briefcase me-2"></i>Pengalaman

```

```

Kerja
        <a href="{{ route('multistep.step3') }}" class="btn
btn-sm btn-outline-primary float-end">Edit</a>
    </h5>
    <div class="row">
        <div class="col-md-6">
            <strong>Pekerjaan Saat Ini:</strong><br>
            {{ $step3Data['current_job'] ?? 'Tidak
disebutkan' }}
        </div>
        <div class="col-md-6">
            <strong>Perusahaan:</strong><br>
            {{ $step3Data['company'] ?? 'Tidak disebutkan'
}}
        </div>
    </div>
    <div class="row mt-2">
        <div class="col-md-6">
            <strong>Pengalaman Kerja:</strong><br>
            {{ $step3Data['experience_years'] }} tahun
        </div>
        <div class="col-md-6">
            <strong>Keahlian:</strong><br>
            {{ $step3Data['skills'] }}
        </div>
    </div>
    <div class="alert alert-info">
        <i class="fas fa-info-circle me-2"></i>
        <strong>Perhatian:</strong> Pastikan semua data sudah
benar sebelum mengirim.
    </div>

    <form method="POST" action="{{ route('multistep.complete')
}}">
        @csrf
        <div class="d-flex justify-content-between">
            <a href="{{ route('multistep.step3') }}" class="btn
btn-secondary">
                <i class="fas fa-arrow-left me-2"></i>Kembali
            </a>
            <button type="submit" class="btn btn-success">
                <i class="fas fa-check me-2"></i>Kirim Data
            </button>
        </div>
    </form>
</div>
</div>
</div>
@endsection

```

resources/views/multistep/complete.blade.php

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```

<div class="card-header">
  <h6 class="mb-0">Data yang Disimpan (Debug)</h6>
</div>
<div class="card-body">
  <pre>{{ json_encode($data, JSON_PRETTY_PRINT) }}</pre>
</div>
</div>
@endif
</div>
</div>
@endsection

```

Hasil Pengujian:

- <http://127.0.0.1:8000/multistep> → Step 1: isi data pribadi (nama, email, telepon, alamat).

The screenshot shows a web browser at the URL `127.0.0.1:8000/multistep`. The page title is "Multi-Step Form Demo". A progress bar at the top shows four steps: 1 (active, blue circle), 2 (grey circle), 3 (grey circle), and 4 (grey circle). Below the progress bar, the form for "Step 1: Informasi Pribadi" is displayed. It contains four input fields: "Nama Lengkap *" with the value "Adha Gusti Harmadhan", "Email *" with the value "adhagustiharmadhan@gmail.com", "Nomor Telepon *" with the value "085261543453", and "Alamat *" with the value "Paya Punteuet". A blue button labeled "Lanjut ke Step 2" is at the bottom right.

- Submit Step 1 valid → redirect ke Step 2.

The screenshot shows the web browser at the URL `127.0.0.1:8000/multistep/step2`. The page title is "Multi-Step Form Demo". The progress bar now shows Step 1 as completed (green circle with a checkmark) and Step 2 as active (blue circle). The form for "Step 2: Informasi Pendidikan" is displayed. It contains three input fields: "Tingkat Pendidikan *" with a dropdown menu showing "SMA", "Nama Institusi *" with the value "SMAN 5 LHOKSEUMAWE", and "Tahun Lulus *" with the value "2024". There is also a "Jurusan *" field with the value "MIPA". At the bottom left is a grey button labeled "Kembali", and at the bottom right is a blue button labeled "Lanjut ke Step 3".

- Step 2: isi data pendidikan → valid → redirect Step 3.

127.0.0.1:8000/multistep/step3

Summarize

Multi-Step Form Demo

✓

Informasi Pribadi

✓

Pendidikan

3

Pengalaman

4

Ringkasan

Step 3: Pengalaman Kerja

Pekerjaan Saat Ini

Data Analyst

Perusahaan

analythism

Pengalaman Kerja (Tahun) *

2

Keahlian/Keterampilan *

MySQL

Pisahkan setiap keahlian dengan koma

Kembali

Lihat Ringkasan

- Summary → menampilkan gabungan data dari session (step1 + step2 + step3).

127.0.0.1:8000/multistep/summary

Summarize

Multi-Step Form Demo

✓

Informasi Pribadi

✓

Pendidikan

✓

Pengalaman

4

Ringkasan

Ringkasan Data Anda

Informasi Pribadi

Nama Lengkap:

Adha Gusti Harmadhan

Email:

adhagustiharmadhan@gmail.com

Telepon:

085261543453

Alamat:

Paya Punteuet

Informasi Pendidikan

Tingkat Pendidikan:

SMA

Institusi:

SMAN 5 LHOKSEUMAWE

Tahun Lulus:

2024

Jurusan:

MIPA

Pengalaman Kerja

Pekerjaan Saat Ini:

Data Analyst

Perusahaan:

analythism

Pengalaman Kerja:

2 tahun

Keahlian:

MySQL

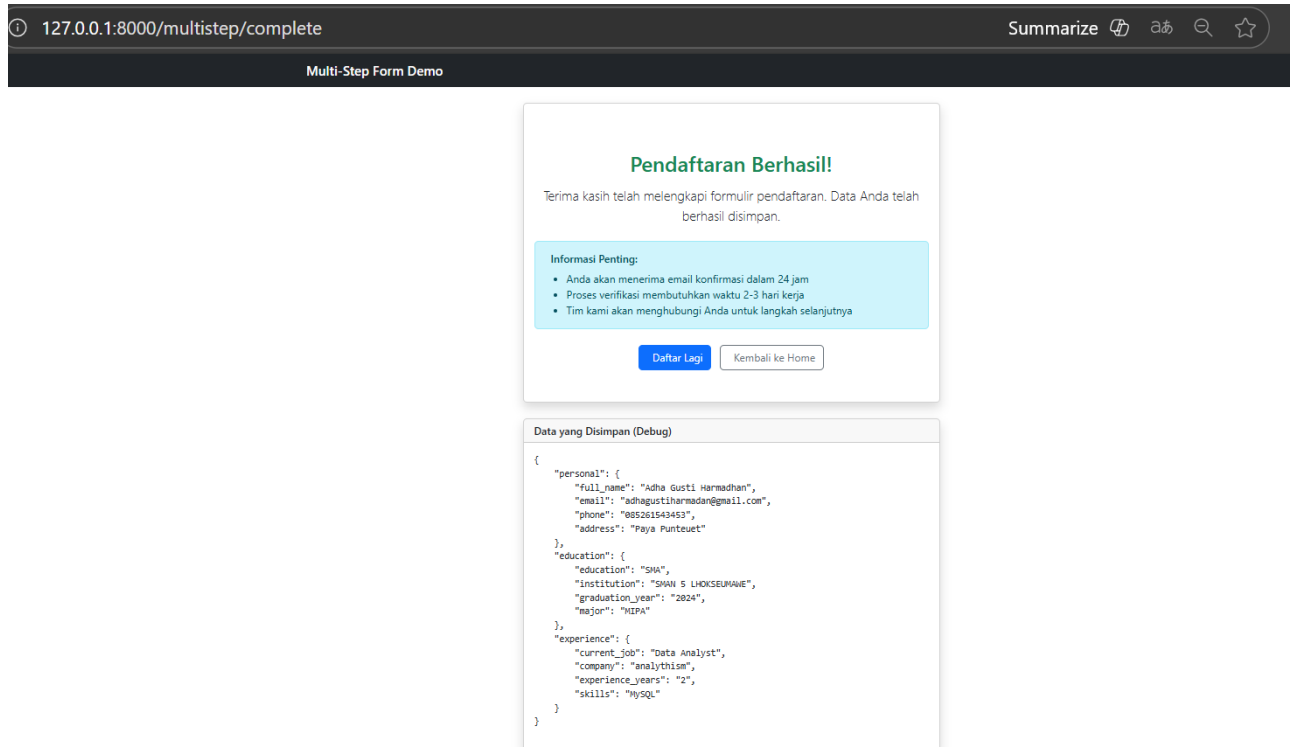
Perhatian:

Pastikan semua data sudah benar sebelum mengirim.

Kembali

Kirim Data

- Complete → menyimpan (atau mensimulasikan penyimpanan) dan menampilkan halaman sukses.



3. Hasil dan Pembahasan

Praktikum menunjukkan beberapa poin penting:

- Laravel menyediakan alur lengkap: tampilkan form → terima request → validasi → redirect → tampilkan hasil atau error.
- `@csrf` melindungi form dari CSRF; tanpa token akan terjadi error 419.
- Validasi bawaan cepat dan aman; pesan error kustom membuat UX lebih ramah.
- `old('field')` + error bag membantu user memperbaiki input tanpa mengulang pengetikan.
- Multi-step form dengan session memungkinkan pemecahan form panjang menjadi langkah-langkah yang lebih kecil, serta mencegah pengguna melompat ke step berikut tanpa menyelesaikan step sebelumnya.

4. Kesimpulan

1. Laravel memudahkan pembuatan form yang aman dan tervalidasi dengan sedikit kode.
2. Pesan error kustom meningkatkan kejelasan bagi pengguna.
3. Session efektif untuk menyimpan data sementara pada multi-step form.
4. Dengan menguasai form submission & validation, mahasiswa siap melanjutkan ke topik CRUD dan penyimpanan data ke database.

5. Referensi

- Modul 5 - Form Submission & Data Validation — HackMD: <https://hackmd.io/@mohdrzu/HJWzYp7Reg>
- Dokumentasi Resmi Laravel 12 — Validation & CSRF Protection: <https://laravel.com/docs/12.x/validation>

