

Laporan Modul 5: Form Submission & Data Validation

Mata Kuliah: Workshop Web Lanjut

Nama: Adha Gusti Harmadhan

NIM: 2024573010009

Kelas: 2B TI

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>
</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') }}
```

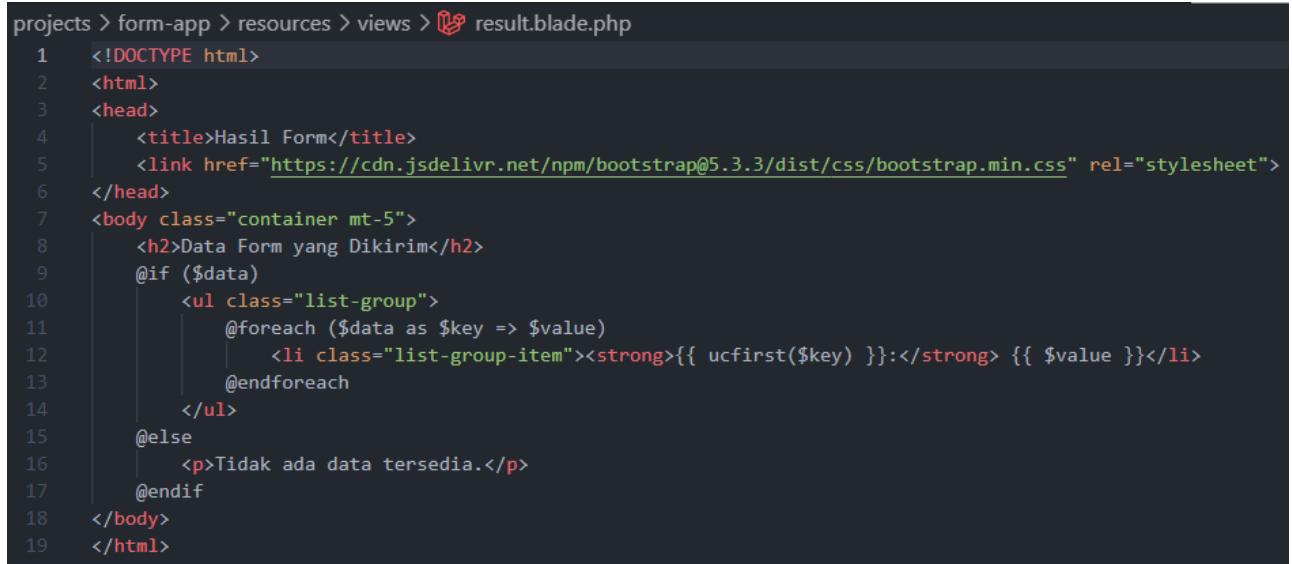
```

        <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).

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

① 127.0.0.1:8000/form ⚡ 🔍 ☆ ⚡ 🔍

Form Registrasi

Nama

The name field is required.

Email

Umur

Password

The password field must be at least 6 characters.

Jenis Kelamin
 Laki-laki Perempuan

Role

Bio

Saya konfirmasi informasi sudah benar

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

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:/^[\w\-\.\_]+@[a-zA-Z0-9]+\.[a-zA-Z]{2,}/'],
            '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.css"
        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.

Contoh Validasi Kustom

Nama Lengkap

Alamat Email

Username

Password

Register

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

Contoh Validasi Kustom

Nama Lengkap

Kami perlu tahu nama Anda!

Alamat Email

ada@gmail.com

Username

2024573010009

Password

Password harus minimal 6 karakter.

Register

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

Contoh Validasi Kustom

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: #e9ecf;
    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\Controllers\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')


1



Informasi Pribadi



2



Pendidikan



3



Pengalaman



4



Ringkasan



#### Step 1: Informasi Pribadi



@csrf



Nama Lengkap *

@error('full_name')


{{ $message }}


@enderror


```

```
<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 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>
</div>
```

```
        </button>
    </div>
</form>
</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')


>1



Informasi Pribadi



>2



Pendidikan



>3



Pengalaman



>4



Ringkasan



#### Step 2: Informasi Pendidikan



<form method="POST" action="{{ route('multistep.storeStep2') }}>
    @csrf

    <div class="mb-3">
        <label for="education" class="form-label">Tingkat


```

```

Pendidikan */>
    <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>
    </div>
</div>

```

```

                @error('graduation_year')
                    <div class="invalid-feedback">{{ $message }}</div>
            </div>
            @enderror
        </div>
    </div>

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

    <div class="d-flex justify-content-between">
        <a href="{{ route('multistep.step1') }}" class="btn btn-secondary">
            <i class="fas fa-arrow-left me-2"></i>Kembali
        </a>
        <button type="submit" class="btn btn-primary">
            Lanjut ke Step 3 <i class="fas fa-arrow-right ms-2"></i>
        </button>
    </div>
</form>
</div>
</div>
</div>
@endsection

```

Step 3 - Pengalaman Kerja [resources/views/multistep/step3.blade.php](#)

```

@extends('layouts.app')

@section('title', 'Step 3 - Pengalaman Kerja')

@section('content')


<div class="row">


```

```
<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>
                    @enderror
                </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>
                </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>
                </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')
<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 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 completed">
                    <div class="step-number">✓</div>
                    <div>Pengalaman</div>
                </div>
                <div class="col-3 step-item active">
                    <div class="step-number">4</div>
                    <div>Ringkasan</div>
                </div>
            </div>
        </div>
    </div>
</div>

<div class="card">
    <div class="card-header bg-success text-white">
        <h4 class="mb-0">Ringkasan Data Anda</h4>
    </div>
    <div class="card-body">
        <!-- Informasi Pribadi -->
        <div class="mb-4">
            <h5 class="border-bottom pb-2">
                <i class="fas fa-user me-2"></i>Informasi Pribadi
                <a href="{{ route('multistep.step1') }}" class="btn
btn-sm btn-outline-primary float-end">Edit</a>
            </h5>
            <div class="row">
                <div class="col-md-6">
```

```
        <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>

<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
```

Complete - Selesai

resources/views/multistep/complete.blade.php

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

@section('title', 'Pendaftaran Selesai')

@section('content')
<div class="row justify-content-center">
    <div class="col-md-6">
        <div class="card text-center">
            <div class="card-body py-5">
                <div class="mb-4">
                    <i class="fas fa-check-circle text-success" style="font-size: 4rem;"></i>
                </div>
                <h2 class="card-title text-success mb-3">Pendaftaran Berhasil!</h2>
                <p class="card-text lead mb-4">
                    Terima kasih telah melengkapi formulir pendaftaran. Data Anda telah berhasil disimpan.
                </p>

                <div class="alert alert-info text-start">
                    <h6><i class="fas fa-envelope me-2"></i>Informasi Penting:</h6>
                    <ul class="mb-0">
                        <li>Anda akan menerima email konfirmasi dalam 24 jam</li>
                        <li>Proses verifikasi membutuhkan waktu 2-3 hari kerja</li>
                        <li>Tim kami akan menghubungi Anda untuk langkah selanjutnya</li>
                    </ul>
                </div>

                <div class="mt-4">
                    <a href="{{ route('multistep.step1') }}" class="btn btn-primary me-2">
                        <i class="fas fa-plus me-2"></i>Daftar Lagi
                    </a>
                    <a href="/" class="btn btn-outline-secondary">
                        <i class="fas fa-home me-2"></i>Kembali ke Home
                    </a>
                </div>
            </div>
        </div>

        <!-- Debug Data (bisa dihapus di production) -->
        @if(env('APP_DEBUG'))
            <div class="card mt-4">
```

```

<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>
@endsection

```

Hasil Pengujian:

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

Multi-Step Form Demo

1 2 3 4

Informasi Pribadi Pendidikan Pengalaman Ringkasan

Step 1: Informasi Pribadi

Nama Lengkap *	Email *
Adha Gusti Harmadhan	adhagustiharmadan@gmail.com
Nomor Telepon *	Alamat *
085261543453	Paya Punteut

Lanjut ke Step 2

- Submit Step 1 valid → redirect ke Step 2.

Multi-Step Form Demo

1 2 3 4

Informasi Pribadi Pendidikan Pengalaman Ringkasan

Step 2: Informasi Pendidikan

Tingkat Pendidikan *	Tahun Lulus *
SMA	2024
Nama Institusi *	Jurusan *
SMAN 5 LHOKSEUMAWE	MIPA

Kembali Lanjut ke Step 3

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

127.0.0.1:8000/multistep/step3

Multi-Step Form Demo

Summarize ⚡ ⌂ ⌂ ⌂ ⌂

✓ ✓ 3 4

Informasi Pribadi Pendidikan Pengalaman 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

Multi-Step Form Demo

Summarize ⚡ ⌂ ⌂ ⌂ ⌂

✓ ✓ 4

Informasi Pribadi Pendidikan Pengalaman Ringkasan

Ringkasan Data Anda

Informasi Pribadi

Nama Lengkap: Adha Gusti Harmadhan Email: adhagustiharmadan@gmail.com

Telepon: 085261543453 Alamat: Paya Punteuet

Informasi Pendidikan

Tingkat Pendidikan:	Institusi:	Tahun Lulus:
SMA	SMAN 5 LHOKSEUMAWI	2024

Jurusan: MIPA

Pengalaman Kerja

Pekerjaan Saat Ini:	Perusahaan:
Data Analyst	analythism
Pengalaman Kerja:	Keahlian:
2 tahun	MySQL

Perhatian: Pastikan semua data sudah benar sebelum mengirim.

Kembali Kirim Data

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

The screenshot shows a browser window with the URL 127.0.0.1:8000/multistep/complete. The title bar says "Multi-Step Form Demo". The main content area displays a success message: "Pendaftaran Berhasil! Terima kasih telah melengkapi formulir pendaftaran. Data Anda telah berhasil disimpan." Below this is a "Informasi Penting" section with bullet points:

- Anda akan menerima email konfirmasi dalam 24 jam
- Proses verifikasi membutuhkan waktu 2-3 hari kerja
- Tim kami akan menghubungi Anda untuk langkah selanjutnya

 At the bottom are two buttons: "Daftar Lagi" and "Kembali ke Home". To the right of this main box is a smaller box titled "Data yang Disimpan (Debug)" containing the following JSON data:


```
{
        "personal": {
            "full_name": "Adha Gusti Harmadhan",
            "email": "adha.gusti.harmadhan@gmail.com",
            "phone": "085261513453",
            "address": "Paya Punteuet"
        },
        "education": {
            "education": "SMA",
            "institution": "SMAN 5 LHOKSEUMAWE",
            "graduation_year": "2024",
            "major": "NIPA"
        },
        "experience": {
            "current_job": "Data Analyst",
            "company": "analythism",
            "experience_years": "2",
            "skills": "MySQL"
        }
    }
```

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 meloncat 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>

