

**Laporan Praktikum
Pemrograman Web 2
Pertemuan 10
Email**



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Daftar Isi

Bab 1. Pendahuluan	2
1.1 Tujuan Praktikum	2
Bab 2. Hasil dan Pembahasan	3
2.1 Tugas	3
2.2 latihan	6
2.2.1 Soal	7
Bab 3. Kesimpulan	8

Bab 1. Pendahuluan

1.1 Tujuan Praktikum

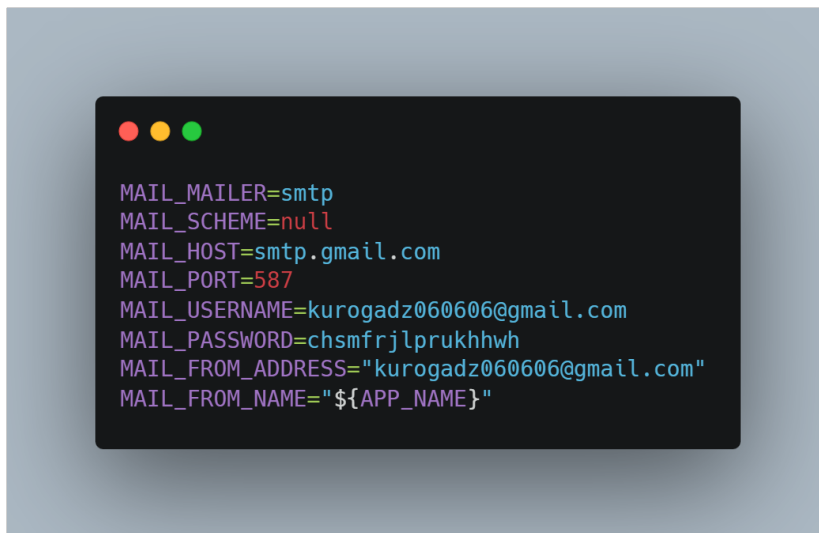
1. Mahasiswa mengonfigurasi Laravel Mail untuk menggunakan GMAIL
2. Mahasiswa mengirim email sederhana menggunakan Laravel
3. Mahasiswa mampu mengirim email menggunakan metode queue

Bab 2. Hasil dan Pembahasan

2.1 Tugas

1. Membuat pengiriman email menggunakan construct

(a) Atur .env



```
MAIL_MAILER=smtp
MAIL_SCHEME=null
MAIL_HOST=smtp.gmail.com
MAIL_PORT=587
MAIL_USERNAME=kurogadz060606@gmail.com
MAIL_PASSWORD=chsmfrjlprukhhwh
MAIL_FROM_ADDRESS="kurogadz060606@gmail.com"
MAIL_FROM_NAME="${APP_NAME}"
```

(b) Buat file app/Mail/SendEmail.php dan ubah kode-nya



```
<?php

namespace App\Mail;

use Illuminate\Bus\Queueable;
use Illuminate\Contracts\Queue\ShouldQueue;
use Illuminate\Mail\Mailable;
use Illuminate\Mail\Mailables\Content;
use Illuminate\Mail\Mailables\Envelope;
use Illuminate\Queue\SerializesModels;

class SendEmail extends Mailable

{
    use Queueable, SerializesModels;
    public $data;
    public function __construct(array $data)
    {
        $this->data = $data;
    }
    public function build()
    {
        return $this->subject($this->data['subject'])
            ->view('email.sendemail');
    }
}
```

(c) Buat folder emails di dalam folder resources/views , dan buka file sendemail.blade.php dan isikan kode berikut :

```

<!DOCTYPE html>
<html>
<head>
  <title>Praktikum Pemrograman Web</title>
</head>
<body>
  <h3>{{ $data['name'] }}</h3>
  <h4>{{ $data['body'] }}</h4>

  <p>Terima kasih</p>
</body>
</html>

```

(d) Buat controller sendEmail

```

<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use Mail;
use App\Mail\SendEmail;
class SendEmailController extends Controller
{
    public function index()
    {
        $content = [
            'name' => 'Ini Nama Pengirim',
            'subject' => 'Ini subject email',
            'body' => 'Ini adalah isi email yang
dikirim dari laravel 10'
        ];
        Mail::to('atmajagading666@gmail.com')->send(new
SendEmail($content));
        return "Email berhasil dikirim.";
    }
}

```

(e) Atur route di web.php

```

<?php
use App\Http\Controllers\ProfileController;
use Illuminate\Support\Facades\Route;
use App\Http\Controllers\JobController;
use App\Http\Controllers\SendEmailController;

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

Route::get('/dashboard', function () {
    if (Auth::user()->role === 'hr') {
        return view('dashboard_hr');
    } else {
        return view('dashboard_jobseeker');
    }
})->middleware(['auth', 'verified'])->name('dashboard');

Route::middleware('auth')->group(function () {
    Route::get('/profile', [ProfileController::class, 'edit'])->name('profile.edit');
    Route::patch('/profile', [ProfileController::class, 'update'])->name('profile.update');
    Route::delete('/profile', [ProfileController::class, 'destroy'])->name('profile.destroy');
});

Route::get('/jobs', [JobController::class, 'index'])->name('jobs');

Route::middleware(['auth', 'isAdmin'])->group(function () {
    Route::get('/admin/jobs', [JobController::class, 'index'])->name('admin.jobs');
});

Route::get('/send-mail', [SendEmailController::class,
'index'])->name('kirim-email');

Route::post('/post-email', [SendEmailController::class, 'store'])->name('post-email');

require __DIR__.'/auth.php';

```

(f) Jalankan php artisan serve dan buka <http://127.0.0.1:8000/send-mail>, lalu cek gmail dan akan muncul email

```
D:\laragon\www\lapraktebaguskeren>php artisan serve
```

```
INFO Server running on [http://127.0.0.1:8000].
```

```
Press Ctrl+C to stop the server
```

```
2025-11-12 21:04:03 / .....
2025-11-12 21:04:11 /favicon.ico .....
2025-11-12 21:04:23 /register .....
2025-11-12 21:04:49 /send-mail .....
2025-11-12 21:04:49 .....
2025-11-12 21:04:51 / .....
2025-11-12 21:04:51 /favicon.ico .....
2025-11-12 21:09:29 /send-mail .....
2025-11-12 21:09:29 /send-email .....
2025-11-12 21:09:48 /favicon.ico .....
2025-11-12 21:09:52 /send-mail .....
2025-11-12 21:09:52 /favicon.ico .....
```

2. Menggunakan queue

- (a) Buka file `app/Jobs/SendMailJob.php` dan ubah kode-nya menjadi seperti berikut ini

```
<?php
namespace App\Jobs;
use Illuminate\Bus\Queueable;
use Illuminate\Contracts\Queue\ShouldBeUnique;
use Illuminate\Contracts\Queue\ShouldQueue;
use Illuminate\Foundation\Bus\Dispatchable;
use Illuminate\Queue\InteractsWithQueue;
use Illuminate\Queue\SerializesModels;
use Illuminate\Support\Facades\Mail;
use App\Mail\SendEmail;
class SendMailJob implements ShouldQueue
{
    use Dispatchable, InteractsWithQueue, Queueable,
    SerializesModels;
    public $data;

    public function __construct($data)
    {
        $this->data = $data;
    }

    public function handle(): void
    {
        $email = new SendEmail($this->data);
        Mail::to($this->data['email'])->send($email);
    }
}
```

- (b) Membuat Route post email

```
MAIL_MAILER=smtp
MAIL_SCHEME=null
MAIL_HOST=smtp.gmail.com
MAIL_PORT=587
MAIL_USERNAME=kurogad060606@gmail.com
MAIL_PASSWORD=chsmfrjlpukhhwh
MAIL_FROM_ADDRESS="kurogad060606@gmail.com"
MAIL_FROM_NAME="${APP_NAME}"
```

- (c) Mengubah controller method `index()` dan tambah method `store()`

```

<?php

namespace App\Http\Controllers;
use Illuminate\Http\Request;
use Mail;
use App\Mail\SendEmail;
use App\Jobs\SendMailJob;

class SendEmailController extends Controller
{
    public function index()
    {
        return view('email.kirim-email');
    }
    public function store(Request $request)
    {
        $data = $request->all();
        dispatch(new SendMailJob($data));
        return redirect()->route('kirim-email')
        ->with('success', 'Email berhasil dikirim');
    }
}

abstract class Controller
{
    //
}

```

(d) Membuat file kirim-email.blade.php di folder view lalu isikan kode berikut:

```

@extends('layouts.guest')
@section('content')
<div class="row justify-content-center">
<div class="col-md-12 p-12">
<h3 class="text-center">Kirim Email</h3>
<div class="form-group">
<input type="text" class="form-control" name="name" id="name" placeholder="Nama">
</div>
<div class="form-group">
<input type="email" class="form-control" name="email" id="email" placeholder="Email Tujuan">
</div>
<div class="form-group">
<input type="text" class="form-control" name="subject" id="subject" placeholder="Subjek">
</div>
<div class="form-group">
<input type="text" class="form-control" name="body" id="body" placeholder="Body Deskripsi">
</div>
<div class="form-group">
<button class="btn btn-primary">Kirim Email</button>
</div>
</div>
</div>

```

(e) Jalankan php artisan serve dan buka <http://127.0.0.1:8000/send-mail>, lalu isi data yang ingin diisi lalu cek gmail dan akan muncul email

2.2 latihan

untuk link githubnya adalah [Repository GitHub - Laprak Bagus Keren](#)

2.2.1 Soal

Bab 3. Kesimpulan

Dari praktikum Pemrograman Web 2 pertemuan 10 dengan topik Email, dapat disimpulkan bahwa mahasiswa telah memahami cara konfigurasi dan implementasi fitur pengiriman email menggunakan Laravel. Melalui pengaturan environment (.env), pembuatan class Mailable, serta penerapan view email menggunakan Blade Template, mahasiswa mampu mengirimkan email secara otomatis dari aplikasi Laravel. Selain itu, dengan penerapan metode queue, mahasiswa juga belajar mengelola proses pengiriman email secara asinkron untuk meningkatkan efisiensi dan kinerja aplikasi web.

Praktikum ini melatih pemahaman mahasiswa terhadap integrasi Laravel dengan layanan eksternal seperti Gmail serta penerapan konsep job queue dalam sistem berbasis framework PHP modern.