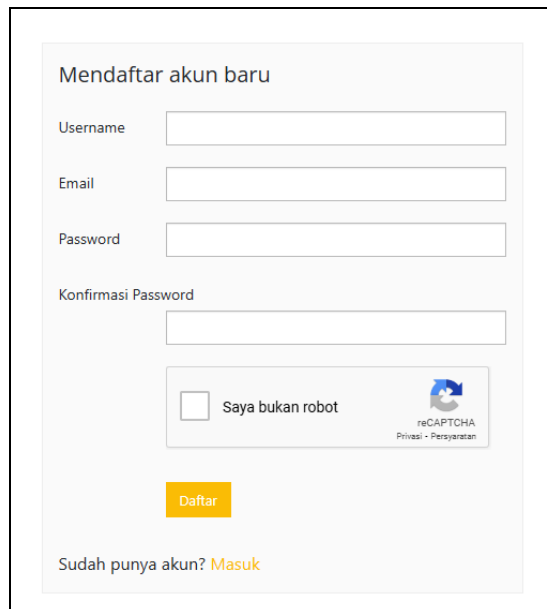Nama   : Misyhel Oktavia Br Nababn

Kelas   : PW 1

Kampus : Universitas Methodist Indonesia Medan
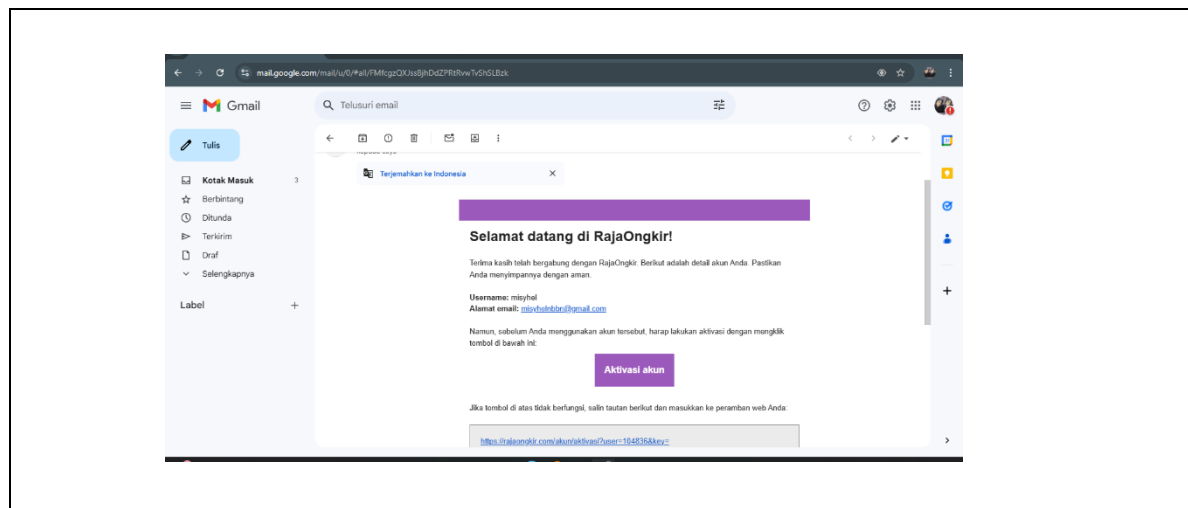

Langkah-Langkah pendaftaran rajaongkir

1.Lakukan pendaftaran akun

2.Validasi Email :

3.Lalu akan mendapatkan API KEY dari raja ongkir

Source code API raja ongkir :

```php
<?php

namespace App\Http\Controllers\Api;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;

class RajaOngkirController extends Controller
{
    public function provinces()
    {
        $client = new \GuzzleHttp\Client();
        $response = $client->request('GET',
'https://api.rajaongkir.com/starter/province', [
            'headers' => [
                'key' => '3250e7b9e7670f452ddaa1eb4c41abc4',
            ],
        ]);

        return response()->json(json_decode($response->getBody()-
>getContents()));
    }
```

```php
    public function cities(int $provinceId)
    {
        $client = new \GuzzleHttp\Client();
        $response = $client->request('GET',
'https://api.rajaongkir.com/starter/city?province=' . $provinceId, [
            'headers' => [
                'key' => '3250e7b9e7670f452ddaa1eb4c41abc4',
            ],
        ]);

        return response()->json(json_decode($response->getBody()-
>getContents()));
    }

    public function cekOngkir(Request $request)
    {
        $client = new \GuzzleHttp\Client();
        $response = $client->request('POST',
'https://api.rajaongkir.com/starter/cost', [
            'headers' => [
                'key' => '3250e7b9e7670f452ddaa1eb4c41abc4',
            ],
            "form_params" => [
                "origin" => $request->origin,
                "destination" => $request->destination,
                "weight" => $request->weight,
                "courier" => $request->courier
            ]
        ]);

        return response()->json(json_decode($response->getBody()-
>getContents()));
    }
}
```

Uraian : Source code berisi api key dan url integrasi untuk melakukan permintaan ke raja ongkir mulai dari provinsi dan kota dan yg terakhir akan dilakukan pengecekan ongkir dan kurir yg dipilih oleh user yang berasal dari api key dari rajaongkir.

Halaman pengecekan biaya ongkos kirim :

Halamn untuk cek ongkir :

Screenshoot source code pengecekan biaya ongkos kirim :

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

@section('content')
    <div class="card">
        <div class="card-header">
            Cek Ongkir
        </div>
        <div class="card-body">
            <form action="#" method="post" id="cekOngkirForm">
                <div class="row mb-3">
                    <div class="col-md-4">
                        <select name="province_origin" id="province_origin"
class="form-control">
                            <option value="">Pilih Provinsi Asal</option>
                            <option value="1">Banten</option>
                            <option value="1">Jawa Timur</option>
                        </select>
                    </div>
                    <div class="col-md-4">
                        <select name="city_origin" id="city_origin" class="form-
control" disabled>
                            <option value="">Pilih Kota Asal</option>
                            <option value="1">Tangerang</option>
                            <option value="1">Kota Malang</option>
                        </select>
                    </div>
                </div>
                <div class="row mb-3">
                    <div class="col-md-4">
                        <select name="province_destination"
id="province_destination" class="form-control">
                            <option value="">Pilih Provinsi Tujuan</option>
                            <option value="1">Banten</option>
                            <option value="1">Jawa Timur</option>
                        </select>
                    </div>
                    <div class="col-md-4">
                        <select name="city_destination" id="city_destination"
class="form-control" disabled>
                            <option value="">Pilih Kota Tujuan</option>
                            <option value="1">Tangerang</option>
                            <option value="1">Kota Malang</option>
                        </select>
```

```html
                    </div>
                </div>
                <div class="row mb-3">
                    <div class="col-md-4">
                        <input type="number" name="weight" id="weight"
class="form-control" placeholder="Berat (gram)">
                    </div>
                    <div class="col-md-4">
                        <select name="courier" id="courier" class="form-control">
                            <option value="">Pilih Kurir</option>
                            <option value="jne">JNE</option>
                            <option value="tiki">TIKI</option>
                            <option value="pos">Pos Indonesia</option>
                        </select>
                    </div>
                    <div class="col-md-4">
                        <button type="submit" class="btn btn-primary">Cek
Ongkir</button>
                    </div>
                </div>
            </form>
            <div class="row" id="cost-content">
                <div class="col-md-3">
                    <div class="card">
                        <div class="card-body">
                            <h5 class="card-title">REG - Layanan Reguler</h5>
                            <p class="card-text">Estimasi Pengiriman: 1-2 Hari
(Rp. 23.000)</p>
                            <a href="#" class="btn btn-primary">Pilih Layanan</a>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
@endsection

@push('scripts')
    <script>
        $(document).ready(function() {
            // Setup data provinsi untuk select option
            $.ajax({
                url: 'http://localhost:8000/api/provinces',
                type: 'GET',
                success: function(result) {
```

```javascript
                    let provinces = result.rajaongkir.results;
                    let optionsAsal = '<option value="">Pilih Provinsi
Asal</option>';
                    let optionsTujuan = '<option value="">Pilih Provinsi
Tujuan</option>';

                    provinces.forEach(province => {
                        optionsAsal +=
                            `<option
value="${province.province_id}">${province.province}</option>`;
                        optionsTujuan +=
                            `<option
value="${province.province_id}">${province.province}</option>`;
                    });

                    $('#province_origin').html(optionsAsal)
                    $('#province_destination').html(optionsTujuan)
                }
            })

        // Initialize select2
        $('#province_origin').select2();
        $('#city_origin').select2();
        $('#province_destination').select2();
        $('#city_destination').select2();
        $('#courier').select2();

        // Untuk mengisi data kota asal berdasarkan provinsi asal
        $('#province_origin').on('change', function() {
            let provinceId = $(this).val()
            $.ajax({
                url: 'http://localhost:8000/api/cities/' + provinceId,
                type: 'GET',
                success: function(result) {
                    let cities = result.rajaongkir.results;
                    let optionsAsal = '<option value="">Pilih Kota
Asal</option>';

                    cities.forEach(city => {
                        optionsAsal +=
                            `<option value="${city.city_id}">${city.type}
${city.city_name}</option>`;
                    });

                    $('#city_origin').removeAttr('disabled')
                    $('#city_origin').html(optionsAsal)
                }
```

```javascript
            })
        })

        // Untuk mengisi data kota tujuan berdasarkan provinsi tujuan
        $('#province_destination').on('change', function() {
            let provinceId = $(this).val()
            $.ajax({
                url: 'http://localhost:8000/api/cities/' + provinceId,
                type: 'GET',
                success: function(result) {
                    let cities = result.rajaongkir.results;
                    let optionsTujuan = '<option value="">Pilih Kota
Tujuan</option>';

                    cities.forEach(city => {
                        optionsTujuan +=
                            `<option value="${city.city_id}">${city.type}
${city.city_name}</option>`;
                    });

                    $('#city_destination').removeAttr('disabled')
                    $('#city_destination').html(optionsTujuan)
                }
            })
        })

        // Untuk menghitung ongkir
        $('#cekOngkirForm').on('submit', function(e) {
            e.preventDefault()
            let origin = $('#city_origin').val()
            let destination = $('#city_destination').val()
            let weight = $('#weight').val()
            let courier = $('#courier').val()
            $.ajax({
                url: 'http://localhost:8000/api/cost',
                type: 'POST',
                data: {
                    origin: origin,
                    destination: destination,
                    weight: weight,
                    courier: courier
                },
                success: function(result) {
                    let results = result.rajaongkir.results;
                    $('#cost-content').html('')
                    results.forEach(result => {
```

```
                            result.costs.forEach(cost => {
                                $('#cost-content').append(`
                            <div class="col-md-3">
                                <div class="card">
                                    <div class="card-body">
                                        <h5 class="card-title">${cost.service} -
${cost.description}</h5>

                                        <p class="card-text">Estimasi Pengiriman:
${cost.cost[0].etd} Hari (Rp. ${cost.cost[0].value})</p>
                                        <a href="#" class="btn btn-primary">Pilih
Layanan</a>
                                    </div>
                                </div>
                            </div>
                                `)
                            })
                        });
                    }
                })
            })
        });
    </script>
@endpush
```
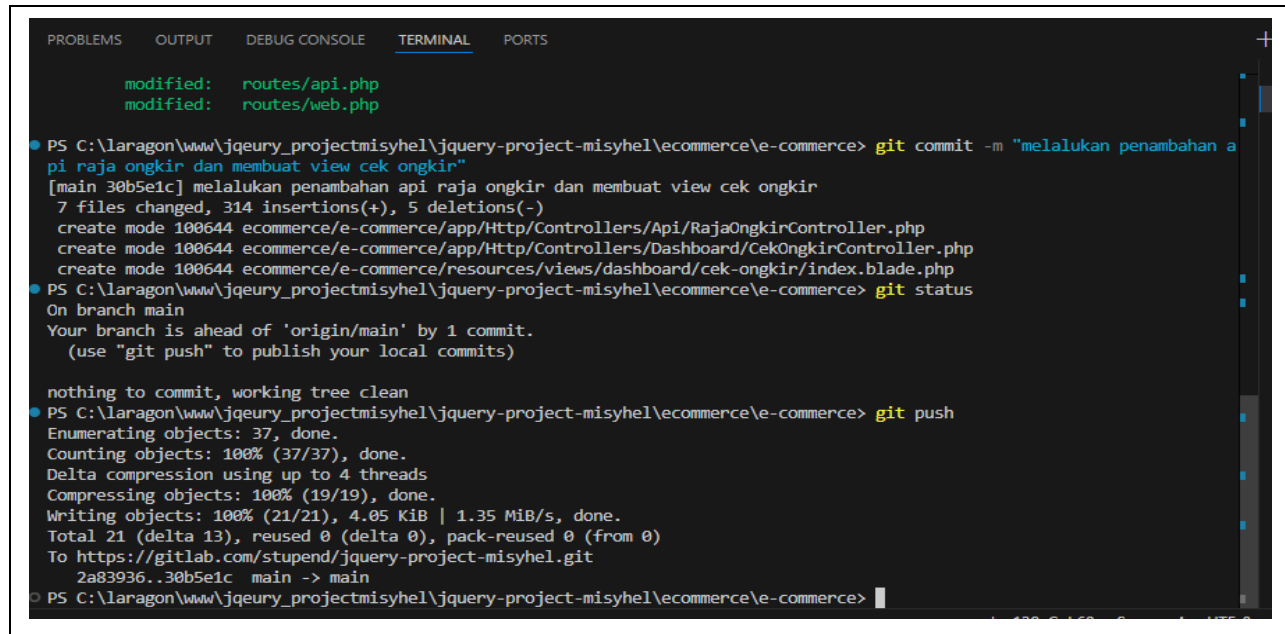
Uraian : Untuk melakukan pengecekan biaya ongkos kirim adalah dengan memilih pilih kota asal dan kota tujuan yang dituju dan setelah itu sesuai dengan source code kita akan mengirimkan request melalui api key kita ke rajaongkir untuk mengirimkan data hasil dari cek biaya ongkos kirim yang akan dikirim kan ke user

Hasil push ke repositori :