

PRAKTIKUM PEMROGRAMAN BERBASIS WEB (A)



Oleh :

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Dosen:

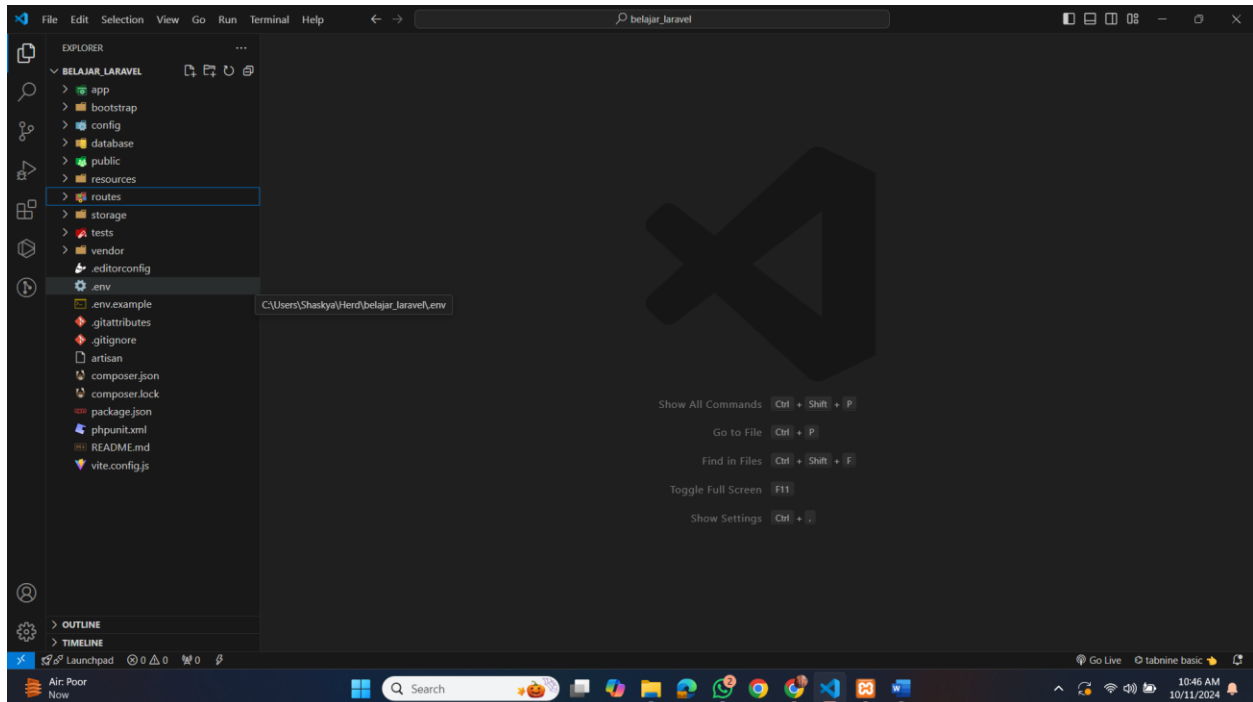
Adi Wahyu Pribadi, M.Kom.

S1 – Teknik Informatika

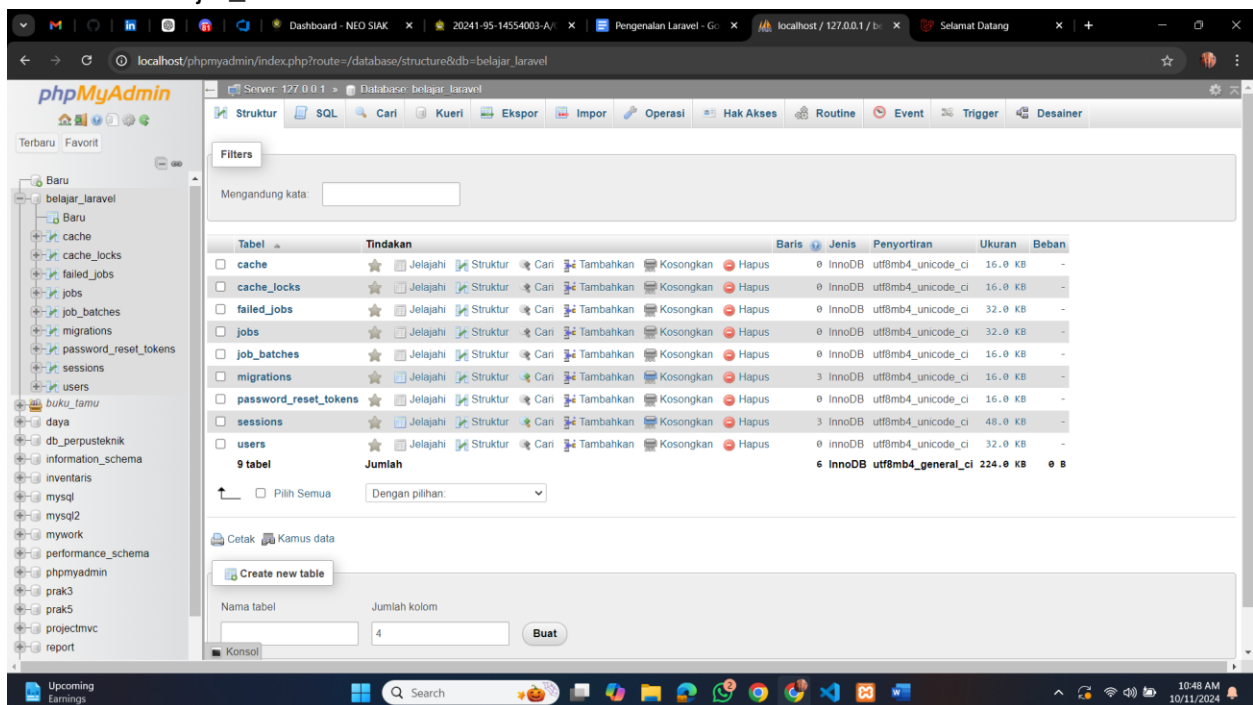
Fakultas Teknik Universitas Pancasila

2024/2025

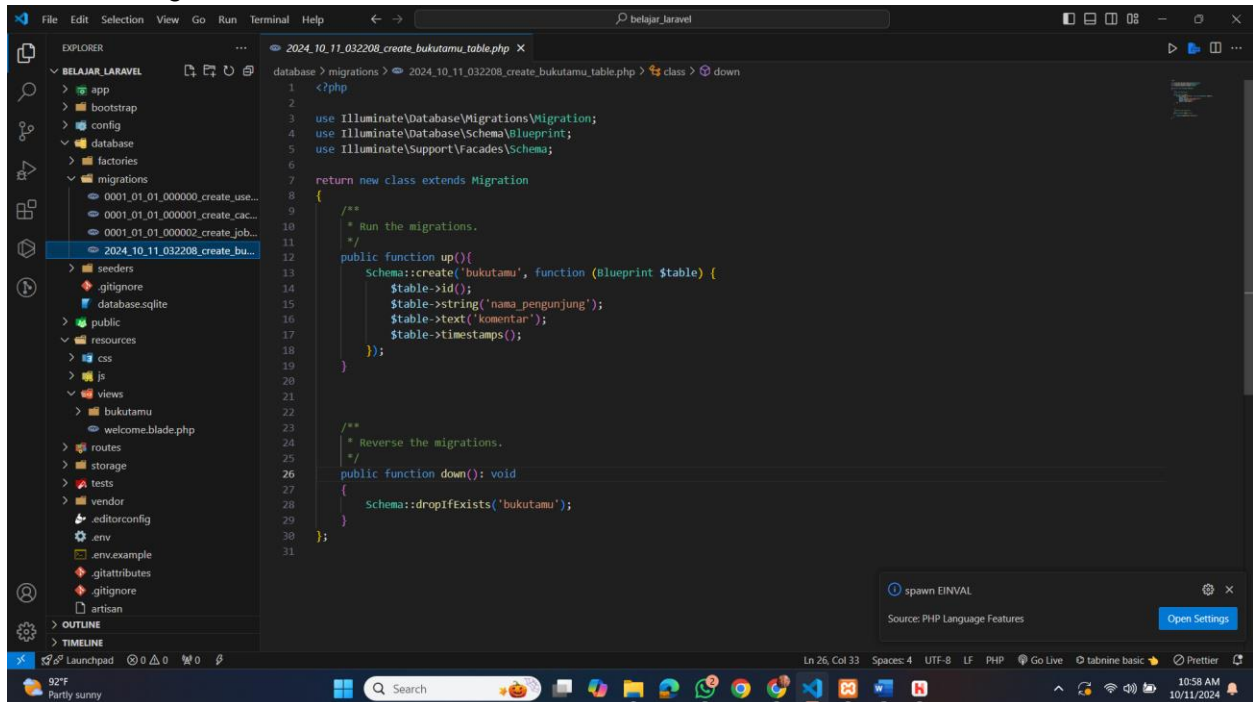
Folder Utama:



Database belajar_laravel:



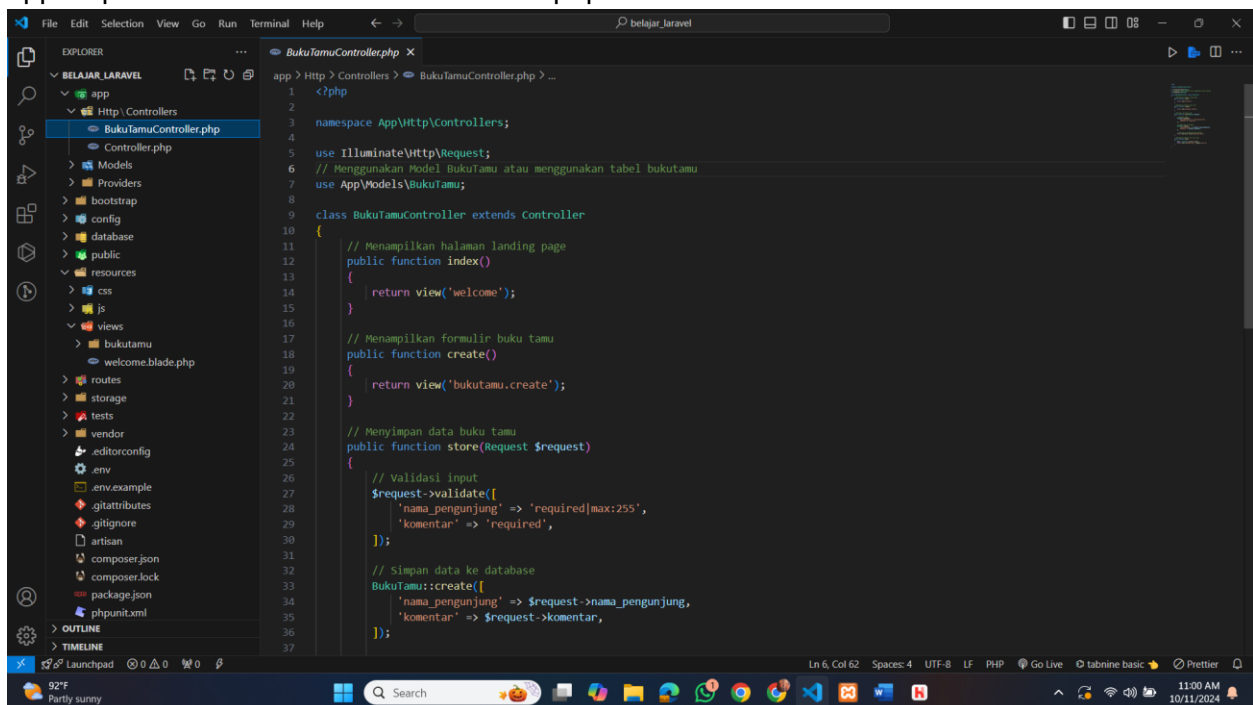
database/migrations/



The screenshot shows the VS Code editor with a Laravel project. The Explorer panel on the left shows the file structure, with the file `2024_10_11_032208_create_bukutamu_table.php` selected in the `migrations` directory. The main editor displays the content of this migration file. The code defines a migration class that extends `Illuminate\Database\Migrations\Migration`. It includes an `up()` method that creates a table named `bukutamu` with columns `id`, `nama_pengunjung`, `komentar`, and `timestamps`. It also includes a `down()` method that drops the `bukutamu` table if it exists. A status bar at the bottom indicates the current line is 26, column 33, and the file is encoded in UTF-8.

```
database > migrations > 2024_10_11_032208_create_bukutamu_table.php > class > down
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  return new class extends Migration
8  {
9
10     /**
11      * Run the migrations.
12      */
13     public function up(): void
14     {
15         Schema::create('bukutamu', function (Blueprint $table) {
16             $table->id();
17             $table->string('nama_pengunjung');
18             $table->text('komentar');
19             $table->timestamps();
20         });
21     }
22
23     /**
24      * Reverse the migrations.
25      */
26     public function down(): void
27     {
28         Schema::dropIfExists('bukutamu');
29     }
30 };
31
```

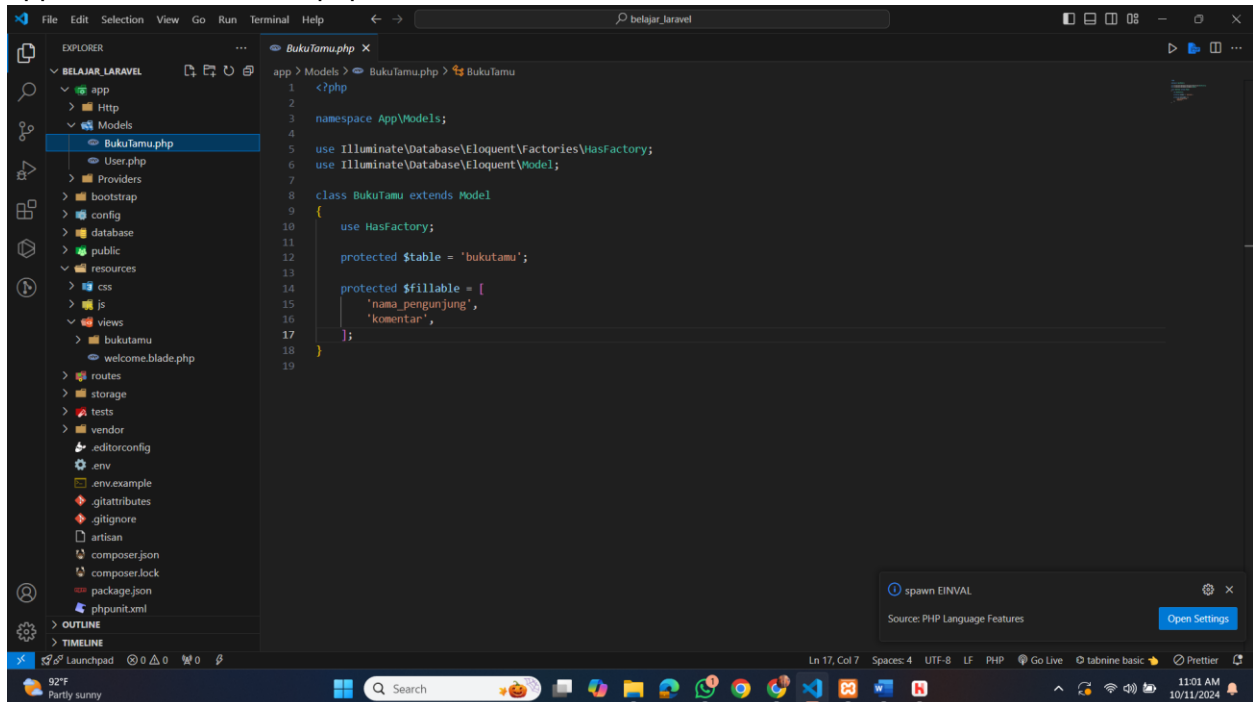
app/Http/Controllers/BukuTamuController.php



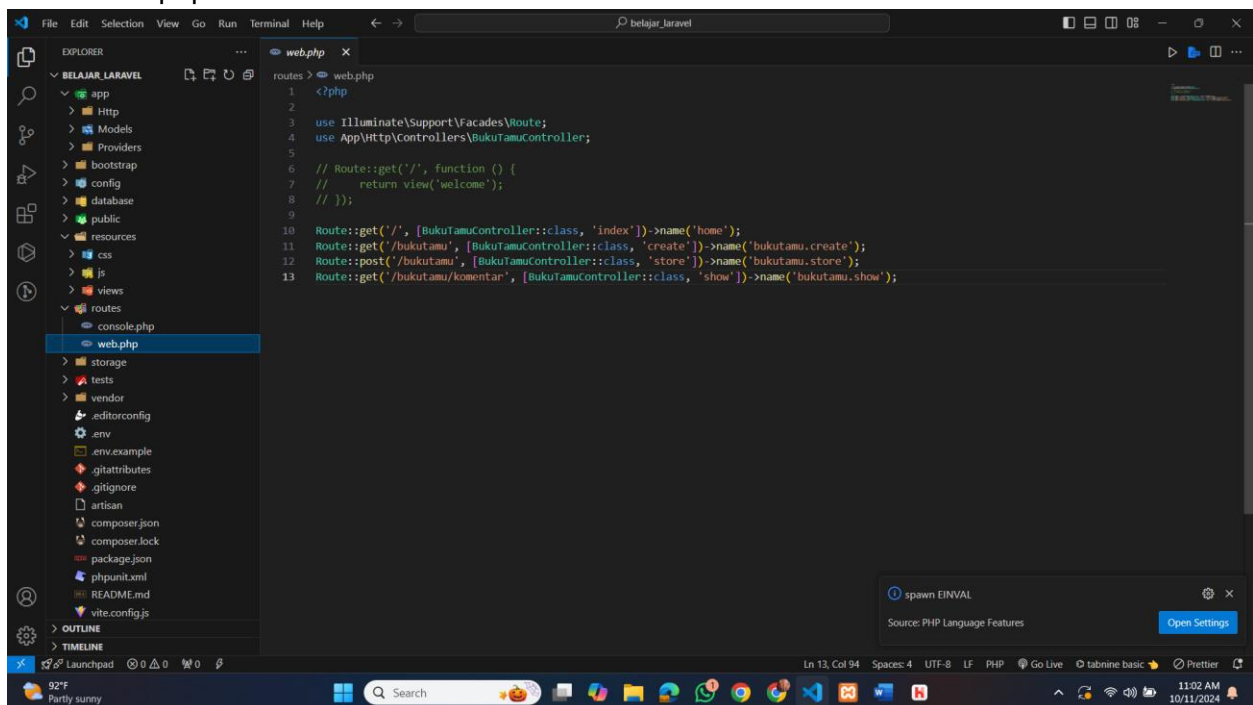
The screenshot shows the VS Code editor with a Laravel project. The Explorer panel on the left shows the file structure, with the file `BukuTamuController.php` selected in the `app/Http/Controllers` directory. The main editor displays the content of this controller file. The code defines a `BukuTamuController` class that extends `Controller`. It includes three methods: `index()` which returns a `view('welcome')`, `create()` which returns a `view('bukutamu.create')`, and `store(Request $request)` which validates the input (name and comment) and saves it to the database using `BukuTamu::create()`. A status bar at the bottom indicates the current line is 6, column 62, and the file is encoded in UTF-8.

```
app > Http > Controllers > BukuTamuController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  // Menggunakan Model BukuTamu atau menggunakan tabel bukutamu
7  use App\Models\BukuTamu;
8
9  class BukuTamuController extends Controller
10 {
11     // Menampilkan halaman landing page
12     public function index()
13     {
14         return view('welcome');
15     }
16
17     // Menampilkan formulir buku tamu
18     public function create()
19     {
20         return view('bukutamu.create');
21     }
22
23     // Menyimpan data buku tamu
24     public function store(Request $request)
25     {
26         // Validasi input
27         $request->validate([
28             'nama_pengunjung' => 'required|max:255',
29             'komentar' => 'required',
30         ]);
31
32         // Simpan data ke database
33         BukuTamu::create([
34             'nama_pengunjung' => $request->nama_pengunjung,
35             'komentar' => $request->komentar,
36         ]);
37     }
38 }
```

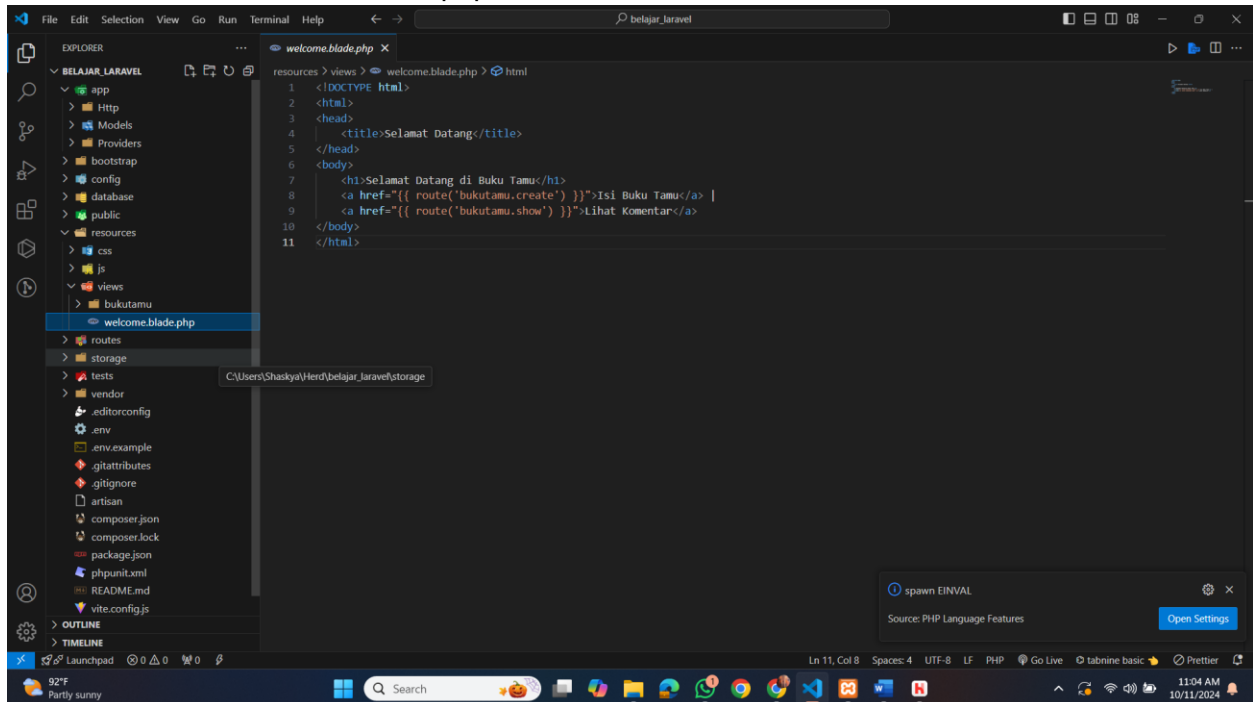
app/Models/BukuTamu.php



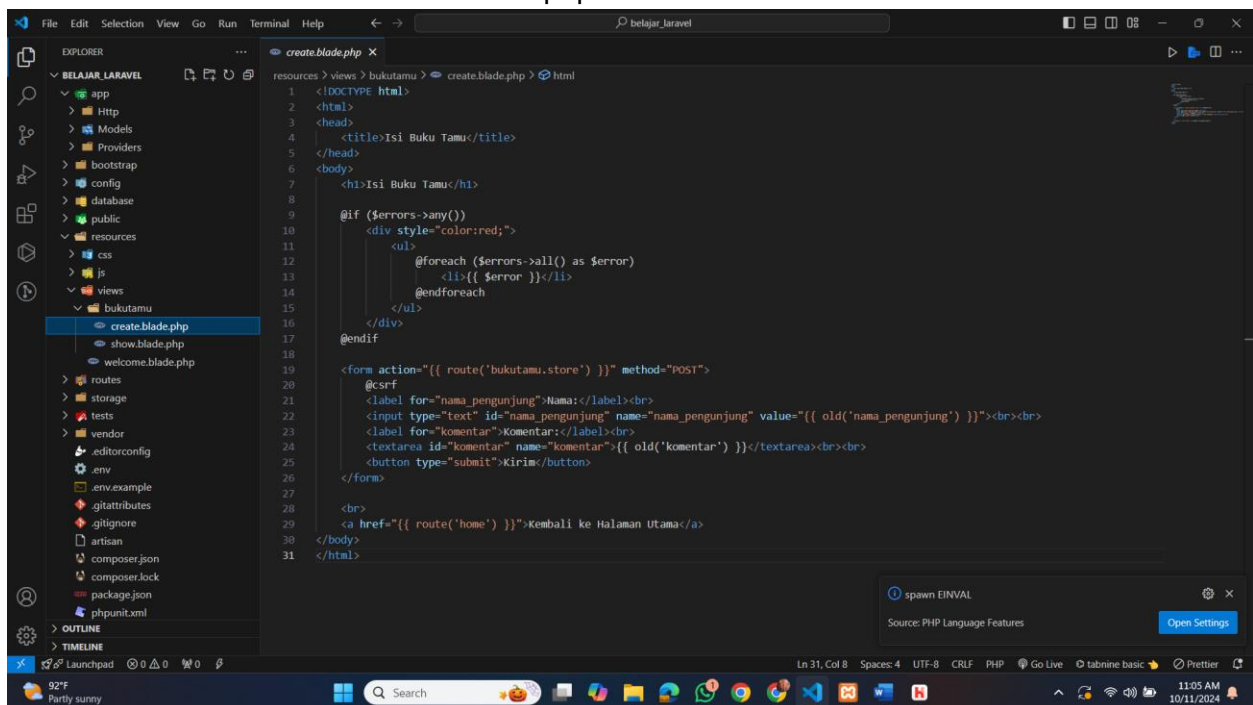
routes/web.php



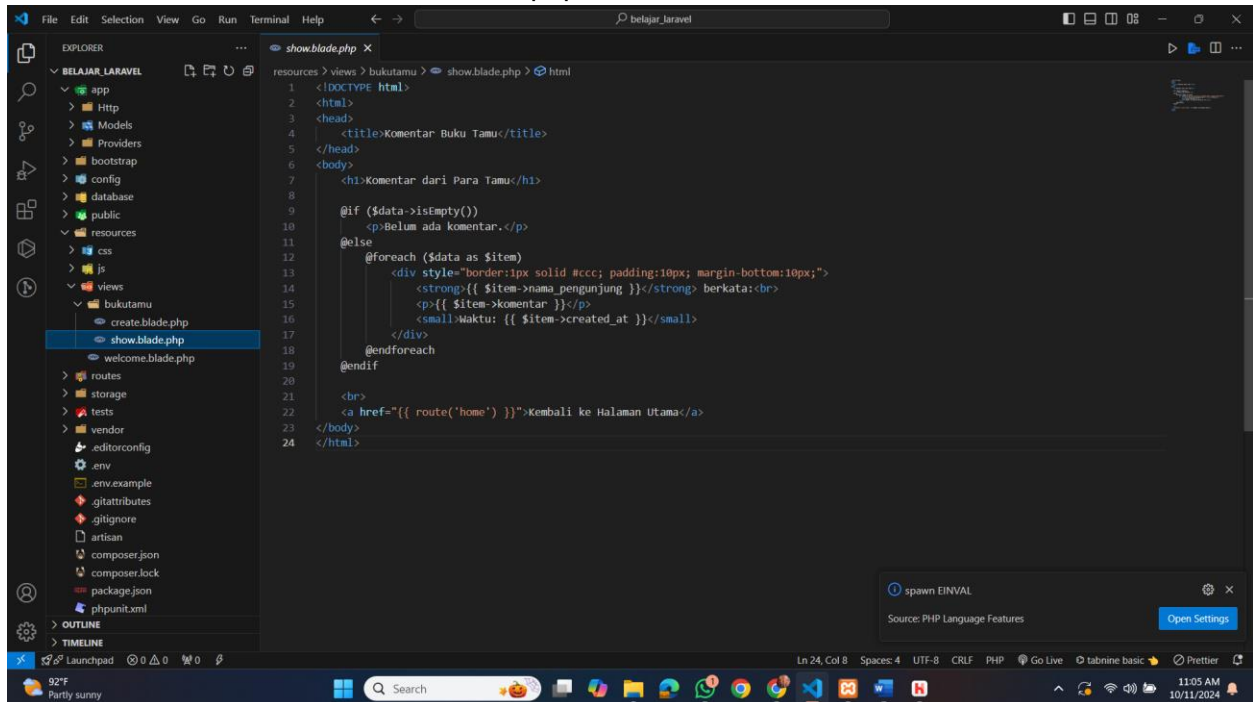
Resources/views/welcome.blade.php



Resources/views/bukutamu/create.blade.php



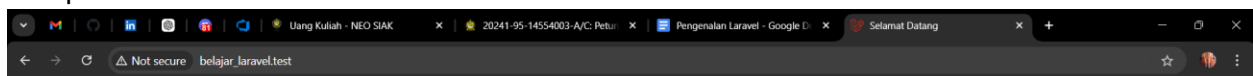
Resources/views/bukutamu/show.blade.php



The screenshot shows a code editor with the file explorer on the left and the code editor on the right. The file explorer shows the project structure, including the 'resources/views/bukutamu' directory. The code editor displays the content of 'show.blade.php'.

```
1 <doctype html>
2 <html>
3 <head>
4     <title>Komentar Buku Tamu</title>
5 </head>
6 <body>
7     <h1>Komentar dari Para Tamu</h1>
8
9     @if ($data->isEmpty())
10         <p>Belum ada komentar.</p>
11     @else
12         @foreach ($data as $item)
13             <div style="border:1px solid #ccc; padding:10px; margin-bottom:10px;">
14                 <strong>{{ $item->nama_pengunjung }}</strong> berkata:<br>
15                 <p>{{ $item->komentar }}</p>
16                 <small>Waktu: {{ $item->created_at }}</small>
17             </div>
18         @endforeach
19     @endif
20
21     <br>
22     <a href="{{ route('home') }}">Kembali ke Halaman Utama</a>
23 </body>
24 </html>
```

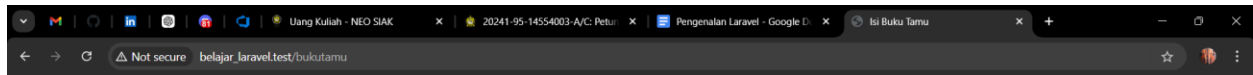
Tampilan Website:



Selamat Datang di Buku Tamu

[Isi Buku Tamu](#) | [Lihat Komentar](#)





Isi Buku Tamu

Nama:

Komentar:

[Kembali ke Halaman Utama](#)



Komentar dari Para Tamu

fathan berkata:

yey

Waktu: 2024-10-11 03:44:49

[Kembali ke Halaman Utama](#)



Kesimpulan:

Laravel adalah framework yang lengkap, didalam kita bisa membuat table database lewat coding tanpa melalui dbms, Selain itu kita dapat membuat url path sesuka hati. Laravel sendiri menerapkan MVC membuat kode tersusun dengan rapih

saran:

menambahkan CSS atau Bootstrap agar tampilan views menjadi lebih menarik dan responsif

Link Github:

<https://github.com/Fathanrachel/Prak.PBW-A->