

# **LAPORAN TUGAS PRAKTIKUM PEMROGRAMAN BERBASIS WEB**

*“Tugas 6 (Pengenalán Laravel: Membuat web aplikasi Buku Tamu)”*



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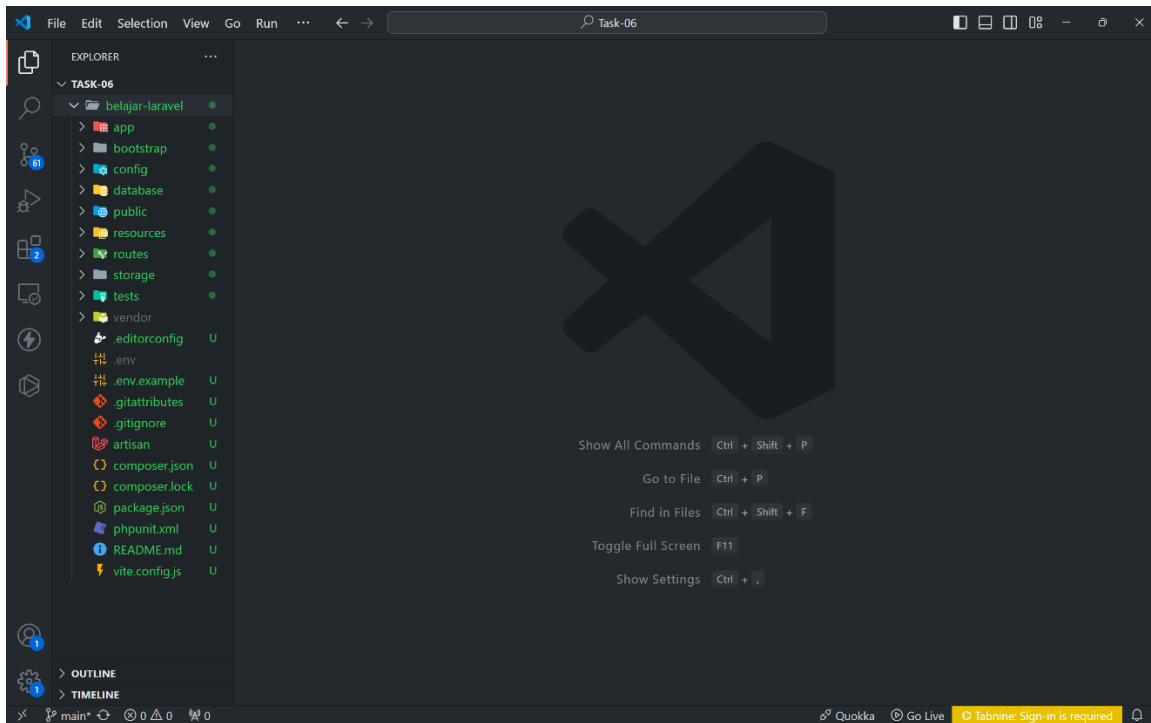
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**2024**

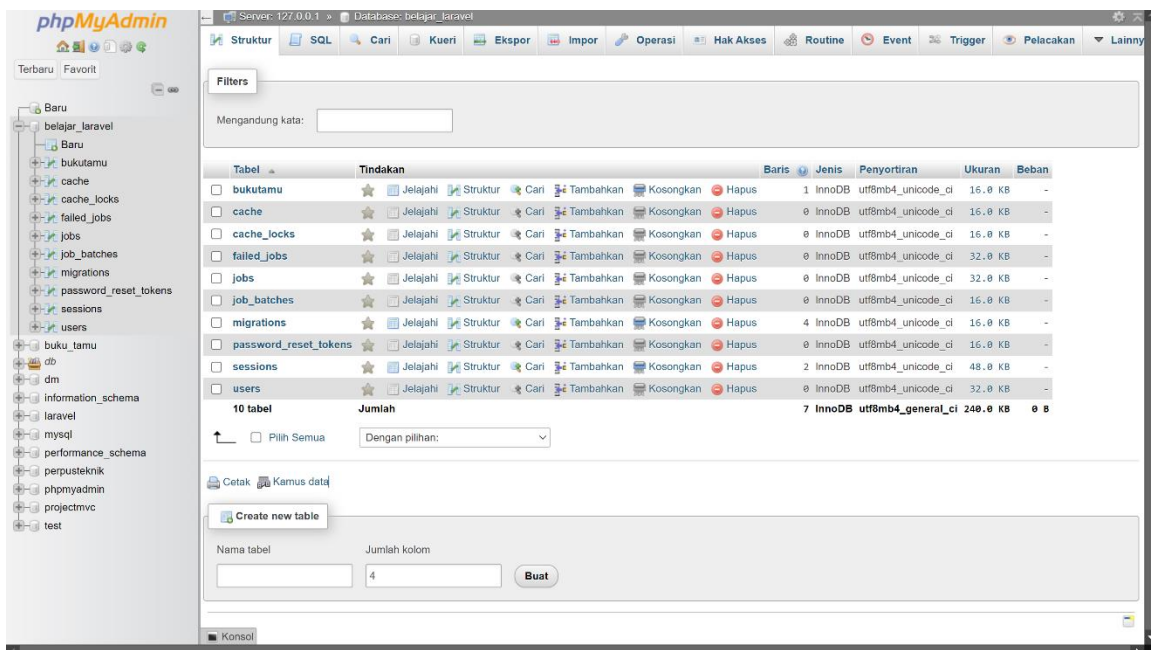
## Tujuan Praktikum

Praktikum kali ini bertujuan untuk memahami bagaimana cara menginstall, mengkonfigurasi dan menggunakan framework Laravel v11 dalam studi kasus pembuatan web aplikasi Buku Tamu.

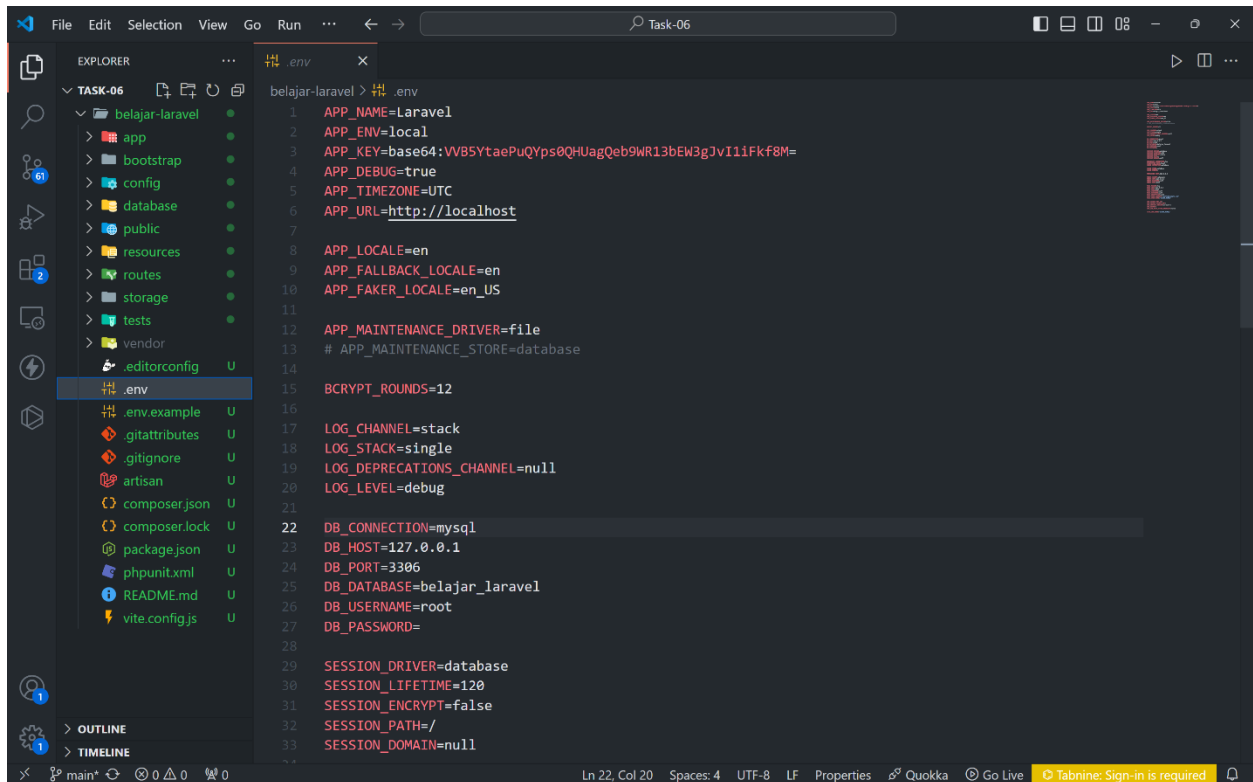
## Folder utama



## Database

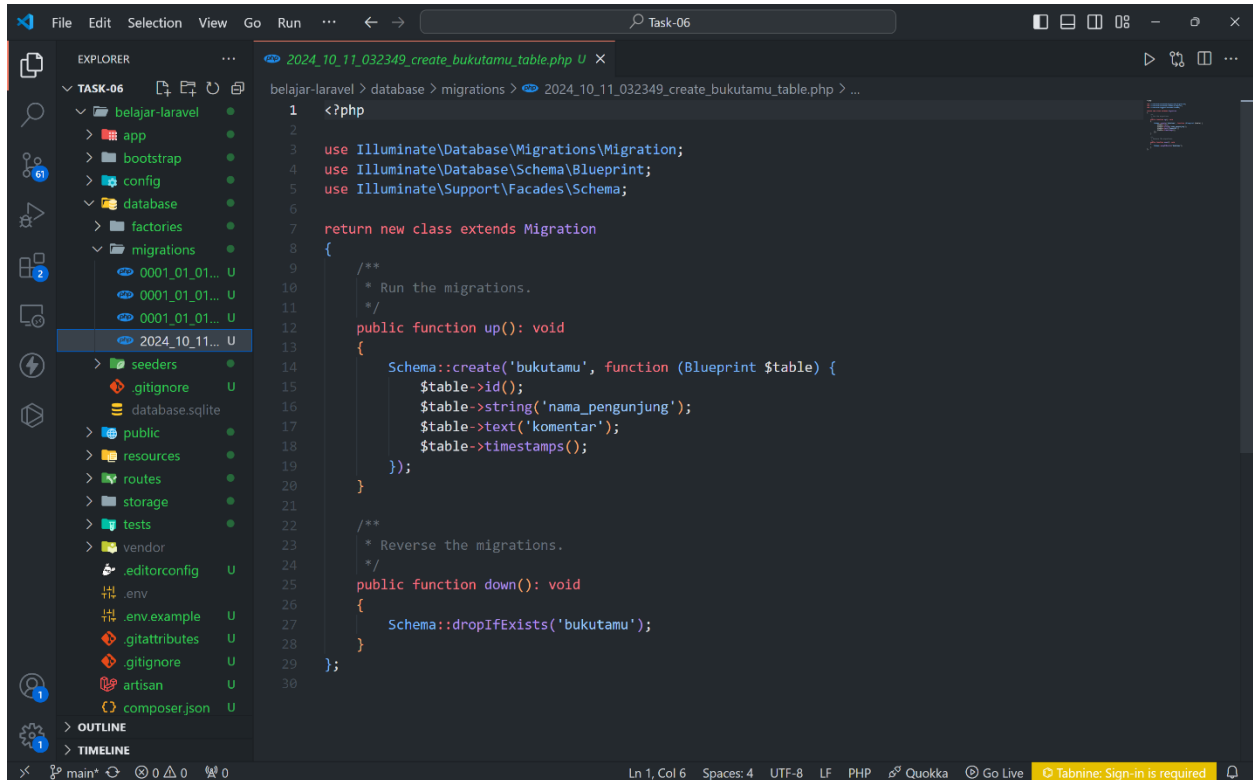


## Screenshoot Source Code



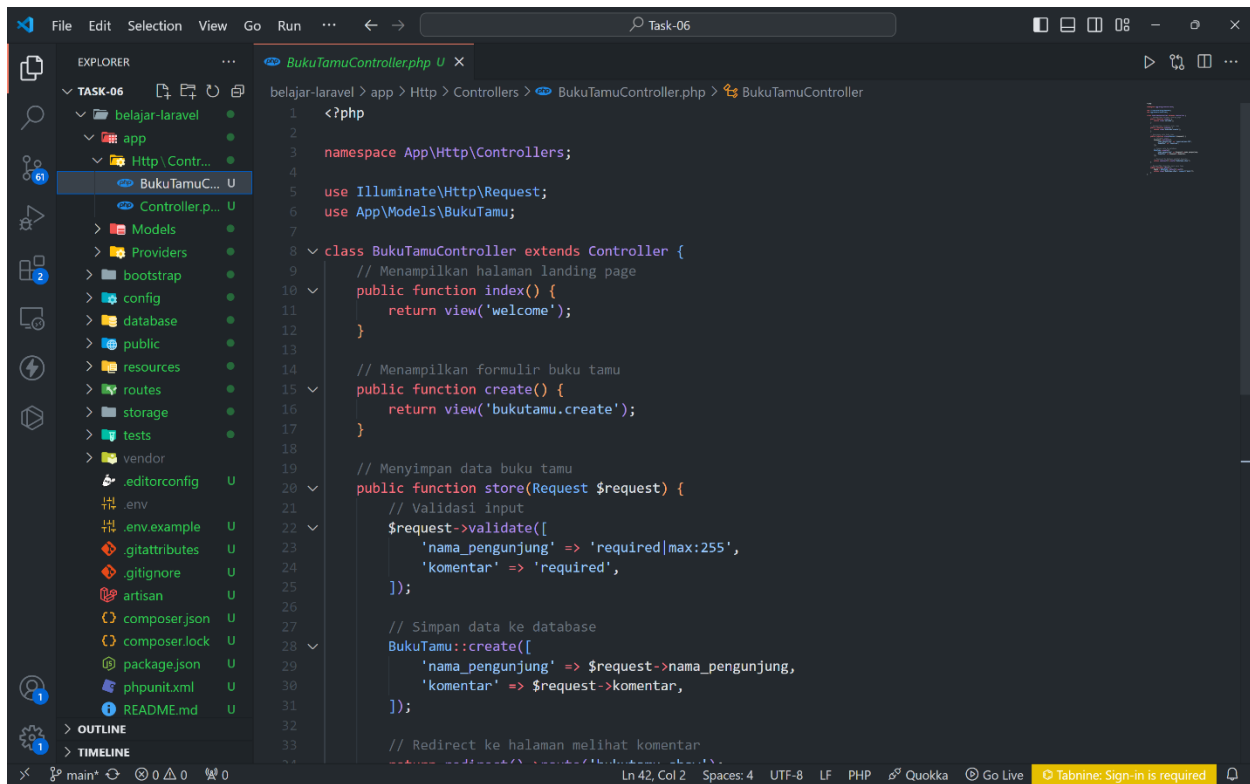
This screenshot shows the Visual Studio Code editor with a Laravel project open. The Explorer sidebar on the left displays the project structure, including folders like 'app', 'bootstrap', 'config', 'database', 'public', 'resources', 'routes', 'storage', 'tests', and 'vendor'. The file '.env' is selected and its contents are displayed in the main editor area. The code defines various environment variables for the application, including database connection details and session settings.

```
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:VVB5SYtaePuQYps0QHUagQeb9WR13bEW3gJvI11Fkf8M=
4 APP_DEBUG=true
5 APP_TIMEZONE=UTC
6 APP_URL=http://localhost
7
8 APP_LOCALE=en
9 APP_FALLBACK_LOCALE=en
10 APP_FAKER_LOCALE=en_US
11
12 APP_MAINTENANCE_DRIVER=file
13 # APP_MAINTENANCE_STORE=database
14
15 BCRYPT_ROUNDS=12
16
17 LOG_CHANNEL=stack
18 LOG_STACK=single
19 LOG_DEPRECATED_CHANNEL=null
20 LOG_LEVEL=debug
21
22 DB_CONNECTION=mysql
23 DB_HOST=127.0.0.1
24 DB_PORT=3306
25 DB_DATABASE=belajar_laravel
26 DB_USERNAME=root
27 DB_PASSWORD=
28
29 SESSION_DRIVER=database
30 SESSION_LIFETIME=120
31 SESSION_ENCRYPT=false
32 SESSION_PATH=/
33 SESSION_DOMAIN=null
```



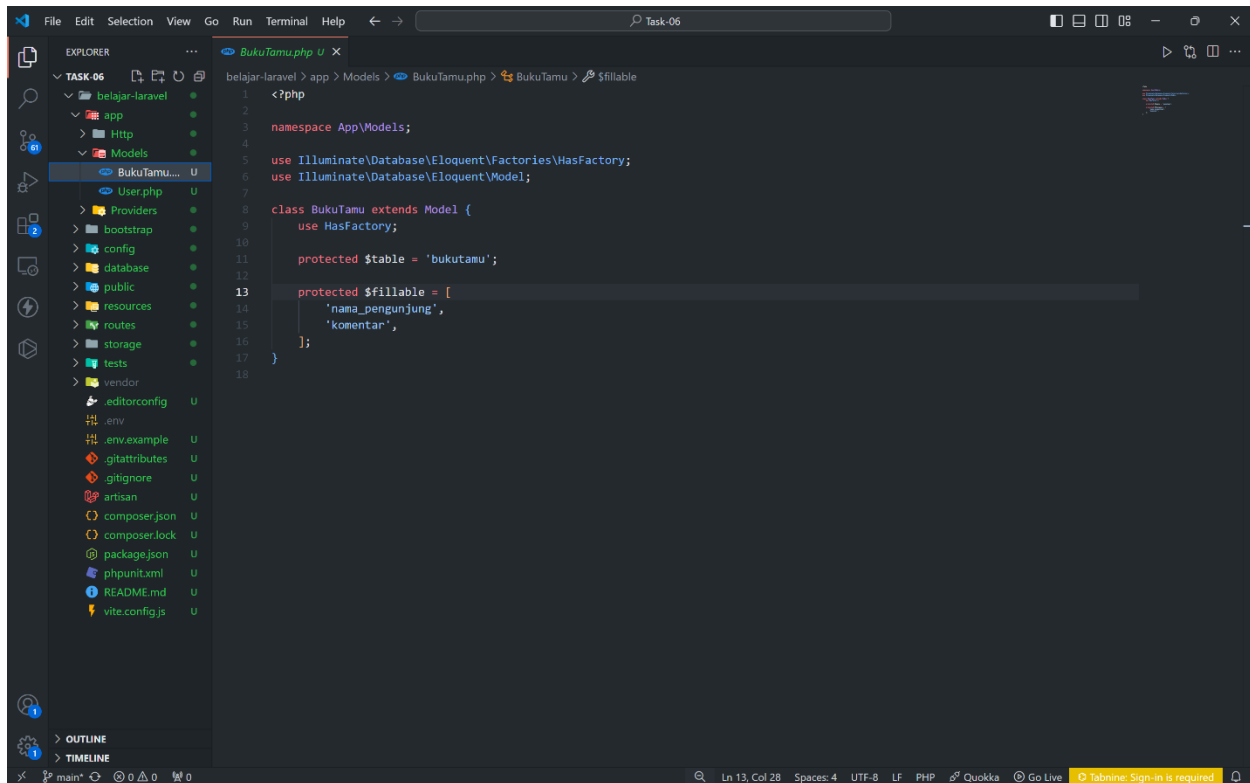
This screenshot shows the Visual Studio Code editor with a Laravel migration file open. The Explorer sidebar on the left shows the project structure, with the 'migrations' folder expanded. The file '2024\_10\_11\_032349\_create\_bukutamu\_table.php' is selected and its contents are displayed in the main editor area. The code defines a migration to create a 'bukutamu' table with columns for 'id', 'nama\_pengunjung', 'komentar', and 'timestamps'.

```
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      * Run the migrations.
11      */
12     public function up(): void
13     {
14         Schema::create('bukutamu', function (Blueprint $table) {
15             $table->id();
16             $table->string('nama_pengunjung');
17             $table->text('komentar');
18             $table->timestamps();
19         });
20     }
21
22     /**
23      * Reverse the migrations.
24      */
25     public function down(): void
26     {
27         Schema::dropIfExists('bukutamu');
28     }
29 };
30
```



The screenshot shows the Visual Studio Code editor with a project named 'belajar-laravel'. The Explorer sidebar on the left shows the file structure, with 'BukuTamuController.php' selected under 'app > Http > Controllers'. The main editor displays the code for 'BukuTamuController.php'. The code includes namespace declarations, use statements for 'Illuminate\Http\Request' and 'App\Models\BukuTamu', and three methods: 'index()' for displaying the landing page, 'create()' for displaying the form, and 'store()' for saving data to the database with input validation. The status bar at the bottom indicates the current position is Line 42, Column 2.

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



The screenshot shows the Visual Studio Code editor with the same 'belajar-laravel' project. The Explorer sidebar shows 'BukuTamu.php' selected under 'app > Models'. The main editor displays the code for 'BukuTamu.php'. The code includes namespace declarations, use statements for 'Illuminate\Database\Eloquent\Factories\HasFactory' and 'Illuminate\Database\Eloquent\Model', and the 'BukuTamu' model class. The class extends 'Model' and uses 'HasFactory'. It defines a protected '\$table' attribute as 'bukutamu' and a protected '\$fillable' array containing 'nama\_pengunjung' and 'komentar'.

```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class BukuTamu extends Model {
9     use HasFactory;
10
11    protected $table = 'bukutamu';
12
13    protected $fillable = [
14        'nama_pengunjung',
15        'komentar',
16    ];
17 }
18
```

```
1 <?php
2
3 use Illuminate\Support\Facades\Route;
4 use App\Http\Controllers\BukuTamuController;
5
6 // Route::get('/', function () {
7 //     return view('welcome');
8 // });
9
10 Route::get('/', [BukuTamuController::class, 'index'])->name('home');
11 Route::get('/bukutamu', [BukuTamuController::class, 'create'])->name('bukutamu.create');
12 Route::post('/bukutamu', [BukuTamuController::class, 'store'])->name('bukutamu.store');
13 Route::get('/bukutamu/komentar', [BukuTamuController::class, 'show'])->name('bukutamu.show');
```

```
1 <html lang="{{ str_replace('_', '-', app()->getLocale()) }}">
2 <head>
3
17 <style>
18
19     a {
20         color: #9d0b35e8;
21         text-decoration: none;
22     }
23
24     a:hover {
25         color: #ff4d4d;
26     }
27
28     .btn-custom {
29         background-color: #9d0b35e8;
30         border-color: #9d0b35e8;
31         color: white;
32     }
33
34     .btn-custom:hover {
35         background-color: #ff4d4d;
36         border-color: #ff4d4d;
37     }
38
39     /* General layout */
40     .container {
41         margin-top: 50px;
42     }
43
44 </style>
45 </head>
46 <body class="font-sans antialiased">
47     <div class="container text-center">
48         <h1>Selamat Datang di Buku Tamu</h1>
49         <div class="mt-4">
50             <a href="{{ route('bukutamu.create') }}" class="btn btn-custom">Isi Buku Tamu</a>
51             <a href="{{ route('bukutamu.show') }}" class="btn btn-custom ms-2">Lihat Komentar</a>
52         </div>
53     </div>
54 </body>
55 </html>
```



## Screenshoot Hasil Tampilan

