

Nama : Muhammad

NIM : 2702285454

Link Repository : <https://github.com/muhammadmakky/LatihanUTS>

## UI

- Home Page

The screenshot shows the homepage of a website called "EduFun". At the top, there is a navigation bar with links for "Home", "Category", "Writers", "About Us", and "Popular". The main banner features a large blue background with the text "Belajar IT Gratis untuk Masa Depan Digital". Below the banner, there is a section titled "Artikel Terbaru" (Latest Articles) which displays four articles in a grid format. Each article card includes a thumbnail with the text "INT MATERI" and "Interactive Multimedia", the article title, the date it was published, the author's name, a brief description, and a "read more..." button.

Article Title	Date	Author	Description	Action
Veritatis autem non consequatur doloremque eos enim recusandae.	11 Sep 2025	Bia Mecca Annisa	In facere qui corporis recusandae. Quia a fugiat inventore deleniti qui officia. Illum nobis molestias tempore aut sed laborum.	read more...
Human and Computer Interaction: Merancang Antarmuka Intuitif	07 Sep 2025	Raka Putra Wicaksono	HCI adalah studi tentang bagaimana manusia berinteraksi dengan sistem komputasi. Fokusnya adalah merancang produk yang efisien, aman, dan mudah digunakan.	read more...
Officia ullam qui eos ducimus optio.	06 Sep 2025	Bia Mecca Annisa	Eius dicta iste dolores neque recusandae corrupti rem. Qui eius recusandae in aliquam voluptas. Sit rerum ad magnam atque commodi in.	read more...
Excepturi officiis velit perspiciatis voluptatem nihil maiores nihil.	10 Jun 2025	Bia Mecca Annisa	Dolorem eius quos dolorum fuga et odio sed. Debitis occaecati aut qui aut qui et. Voluptas alias iste ea cumque.	read more...

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- Post Page

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## Software Engineering

**Pattern Software Design: Blueprint untuk Solusi Skalabel**

29 Apr 2025 by Abi Firmansyah

Pattern Design adalah solusi tenjtu untuk masalah yang sering muncul dalam desain perangkat lunak. Menggunakan pattern membuat kode lebih mudah dipahami dan diawat.

[read more...](#)

**Code Reengineering: Meremajakan Sistem Lama**

28 Apr 2025 by Abi Firmansyah

Code Reengineering melibatkan pemeriksaan, restrukturisasi, atau pembaruan kode tanpa mengubah fungsionalitas eksternalnya. Penting untuk sistem warisan (legacy systems).

[read more...](#)

**Agile Software Development: Kecepatan dan Adaptabilitas**

01 Dec 2024 by Abi Firmansyah

Agile adalah serangkaian prinsip yang mengutamakan kolaborasi, perubahan, dan pengiriman "incremental". Ini berbeda dari metodologi Waterfall tradisional.

[read more...](#)

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- Detail Post Page

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# Veritatis autem non consequatur doloremque eos enim recusandae.

11 Sep 2025 by: Bia Mecca Annisa

Recusandae qui neque dignissimos molestiae. Eveniet a quod quam accusantium dolorum cum omnis repudiandae. Maxime tempore in ut provident. Nemo a in id exercitationem.

Odio quos recusandae error voluptatibus tempore. Quasi quaerat excepturi eum sit alias. Quisquam minima quo labore voluptatibus dolore reprehenderit occaecati. Amet in officia tempore ut vel voluptatibus vel.

Eaque et quisquam temporibus sunt omnis aliquid. Mollitia iusto unde reiciendis aut magni neque sunt. Pariatur ut cum reprehenderit nemo. Eum architecto in necessitatibus quis rerum.

At et eos dolore quam fugit qui. Vel quidem vel eos. Velit placeat fugit exercitationem vel impedit aut nemo expedita. Magni qui doloribus qui ea dolor.

Velit tempora odio omnis voluptatum. Et corrupti id aut quod exercitationem non. A molestiae nulla sapiente laborum. Recusandae fuga fuga saepe est.

Enim delectus et fugit esse nisi sequi. Aut corrupti dolorem laudantium vel sed cupiditate voluptatem. Labore minima enim voluptatibus atque sunt. Quo distinctio eaque rerum eos non.

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- Writer Page

## Our Writers:



**Bia Mecca Annisa**  
Spesialis Data Science



**Raka Putra Wicaksono**  
Spesialis Interactive Multimedia



**Abi Firmansyah**  
Spesialis Network Security

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- Detail Writer Page



**Raka Putra Wicaksono**  
Spesialis Interactive Multimedia

Artikel Ditulis Oleh Raka Putra Wicaksono



**Human and Computer Interaction: Merancang Antarmuka Intuitif**

07 Sep 2025 by Raka Putra Wicaksono

HC adalah studi tentang bagaimana manusia berinteraksi dengan sistem komputasi. Fokusnya adalah merancang produk yang efisien, aman, dan mudah digunakan.

[read more...](#)



**User Experience (UX): Lebih dari Sekadar Tampilan**

23 Mar 2025 by Raka Putra Wicaksono

UX melibatkan seluruh perjalanan pengguna saat berinteraksi dengan produk, dari kesadaran pertama hingga interaksi akhir. Ini adalah tentang memastikan pengguna merasa puas.

[read more...](#)



**UX untuk Teknologi Imersif: Tantangan Baru di Dunia VR/AR**

02 Feb 2025 by Raka Putra Wicaksono

Fokus pada pengalaman pengguna dalam lingkungan Virtual Reality (VR), Augmented Reality (AR), dan teknologi imersif lainnya. Membutuhkan pendekatan desain 3D yang berbeda.

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- About Us Page

## About EduFun

EduFun adalah perusahaan pendidikan berbasis teknologi asal Indonesia. EduFun menyediakan layanan akses pendidikan dalam format tulisan berbahasa Indonesia yang disajikan secara online melalui website.

Tujuan utama kami adalah memberikan ilmu secara gratis kepada Mahasiswa terkait mata kuliah di Bidang IT, khususnya Data Science, Interactive Multimedia, Network Security, dan Software Engineering.

EduFun hadir sebagai bentuk revolusi dari pendidikan di Indonesia dengan mengedepankan cara berpikir kritis, logis, rasional, dan sumber pengetahuan sains yang terintegrasi terhadap semua mahasiswa IT di Indonesia.

EduFun bercita-cita mencetak generasi Indonesia yang memahami ilmu pengetahuan dan cinta belajar.

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- Popular Post Page

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### Popular Articles

**Officia ullam qui eos ducimus optio.**  
06 Sep 2025 by Iba Mecca Annisa  
Eius dicta iste dolores neque recusandae corrupti rem. Qui eius recusandae in aliquam voluptas. Sit rerum ad magnam atque commodi in.

[read more...](#)

**Explicabo exercitationem illum eos placeat.**  
09 Mar 2025 by Iba Mecca Annisa  
A porro quo et molestiae sunt. Ratione incident expedita optio et.

[read more...](#)

**Voluptas natus possimus ad repellat ad pariatur deserunt voluptatem ipsum.**  
18 Jan 2025 by Iba Mecca Annisa  
Numquam querat et ut et molestias odit quidem. Optio non asperiores veniam ad.

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Showing 1 to 3 of 6 results. [1](#) [2](#) [3](#)

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## CODE

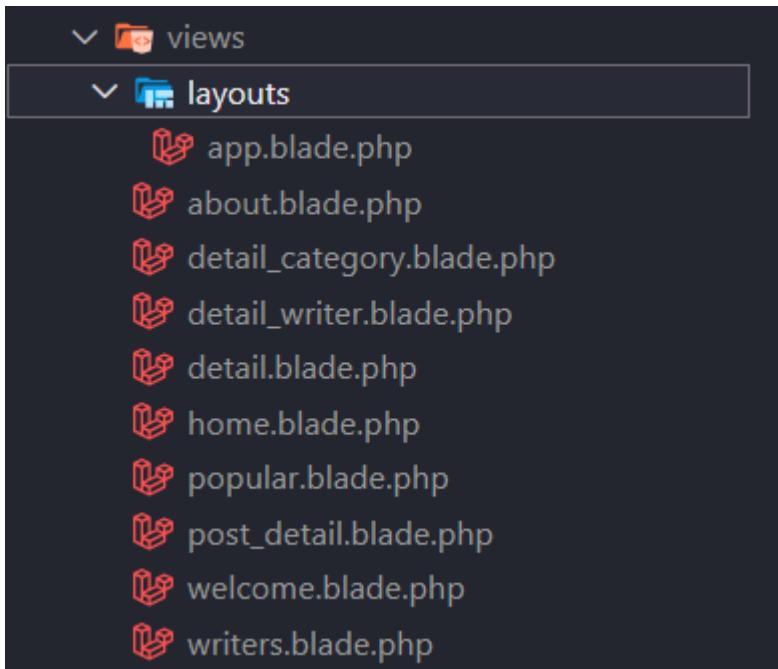
- Routes

```

1  <?php
2
3  use App\Http\Controllers\HomeController;
4  use App\Http\Controllers\CategoryController;
5  use App\Http\Controllers\WriterController;
6  use App\Http\Controllers\PopularController;
7  use Illuminate\Support\Facades\Route;
8
9  Route::get('/', [HomeController::class, 'index'])->name('home');
10
11 Route::get('/about', [HomeController::class, 'about'])->name('about');
12
13 Route::get('/category', [CategoryController::class, 'index'])->name('category');
14 Route::get('/category/{category:slug}', [CategoryController::class, 'show'])->name('category.show');
15
16 Route::get('/writers', [WriterController::class, 'index'])->name('writers');
17 Route::get('/writers/{writer:slug}', [WriterController::class, 'show'])->name('writer.show');
18
19 Route::get('/posts/{post:slug}', [HomeController::class, 'showPost'])->name('post.show');
20
21 Route::get('/popular', [PopularController::class, 'index'])->name('popular');

```

- View dan Blade



- Controller

CategoryController

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Category;
6  use Illuminate\Routing\Controller;
7  use Illuminate\Http\Request;
8
9  class CategoryController extends Controller
10 {
11     public function index()
12     {
13         $categories = Category::whereIn('slug', ['interactive-multimedia', 'software-engineering'])->get();
14         return view('category', compact('categories'));
15     }
16
17     public function show(Category $category)
18     {
19         return view('detail_category', [
20             'category' => $category,
21             'posts' => $category->posts()->latest('published_at')->get()
22         ]);
23     }
24 }
```

## HomeController

```
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Models\Post;
6  use Illuminate\Routing\Controller;
7  use Illuminate\Http\Request;
8
9  class HomeController extends Controller
10 {
11     public function index()
12     {
13         $latestPosts = Post::latest('published_at')->take(4)->get();
14         return view('home', compact('latestPosts'));
15     }
16     public function showPost(Post $post)
17     {
18         return view('detail', ['post' => $post]);
19     }
20     public function about()
21     {
22         return view('about');
23     }
24 }
```

## PopularController

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Post;
6 use Illuminate\Routing\Controller;
7 use Illuminate\Http\Request;
8
9 class PopularController extends Controller
10 {
11     public function index()
12     {
13         $popularPosts = Post::where('is_popular', true)->paginate(3);
14         return view('popular', compact('popularPosts'));
15     }
16 }
```

## WriterController

```
1 <?php
2
3 namespace App\Http\Controllers;
4
5 use App\Models\Writer;
6 use Illuminate\Routing\Controller;
7 use Illuminate\Http\Request;
8
9 class WriterController extends Controller
10 {
11     public function index()
12     {
13         $writers = Writer::all();
14         return view('writers', compact('writers'));
15     }
16     public function show(Writer $writer)
17     {
18         return view('detail_writer', [
19             'writer' => $writer,
20             'posts' => $writer->posts()->latest('published_at')->get()
21         ]);
22     }
23 }
```

- Model

Category

```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Category extends Model
9 {
10     use HasFactory;
11     protected $guarded = ['id'];
12
13     public function posts()
14     {
15         return $this->hasMany(Post::class);
16     }
17
18     public function getRouteKeyName()
19     {
20         return 'slug';
21     }
22 }
```

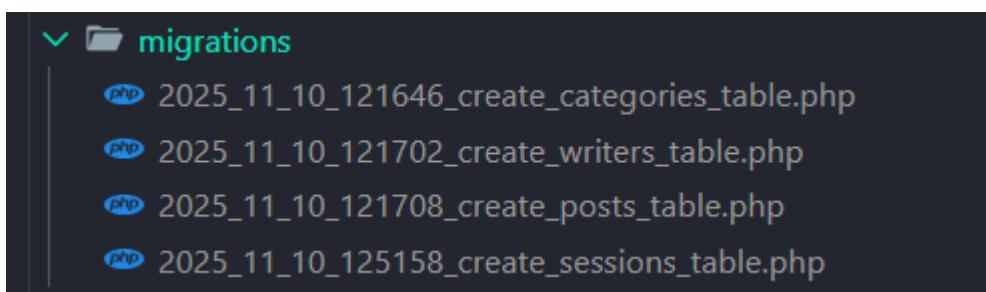
Post

```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Post extends Model
9 {
10     use HasFactory;
11     protected $guarded = ['id'];
12     protected $with = ['category', 'writer'];
13
14     protected $casts = [
15         'published_at' => 'datetime',
16     ];
17
18     public function category()
19     {
20         return $this->belongsTo(Category::class);
21     }
22
23     public function writer()
24     {
25         return $this->belongsTo(Writer::class);
26     }
27
28     public function getRouteKeyName()
29     {
30         return 'slug';
31     }
32 }
```

Writer

```
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class Writer extends Model
9 {
10     use HasFactory;
11     protected $guarded = ['id'];
12
13     public function posts()
14     {
15         return $this->hasMany(Post::class);
16     }
17
18     public function getRouteKeyName()
19     {
20         return 'slug';
21     }
22 }
```

- Migration File



- Seeder dan Faker

