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Artikel Tentang Network Security



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Arta Jail Ardianto S.E.
Spesialis Data Science




Vicky Purwanti S.T.
Spesialis Network Security




Hafshah Alika Suartini
Spesialis Data Science


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Navbar



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Untuk navbar, saya menggunakan template dari Bootstrap lalu saya modifikasi. Saat opsi navbar diklik, maka akan diarahkan ke page yang sesuai dengan route yang dibuat.

```
Route::get('/aboutUs', function(){
    return (view('aboutUs'));
})->name('aboutUs');
```

```
<li class="nav-item {{ Route::is('aboutUs') ? 'active' : '' }}">
    <a class="nav-link" href="{{ route('aboutUs') }}">About Us</a>
</li>
```

Misalnya page AboutUs, ketika opsi about us diklik maka href akan merujuk ke route aboutUs.

Category

Category ▾ Writers

Data Science
Network Security

Dropdown category dapat diakses.

```
<ul class="dropdown-menu" aria-labelledby="navbarDropdown">
    <li><a class="dropdown-item {{ Route('articles.category', 'Data Science') }}" href="{{ route('articles.category', ['category' => 'Data Science']) }}">Data Science</a></li>
    <li><a class="dropdown-item {{ Route('articles.category', 'Network Security') }}" href="{{ route('articles.category', ['category' => 'Network Security']) }}">Network Security</a></li>
</ul>
```

Ketika opsi diklik, maka akan href ke route article.category dengan categorynya masing-masing.

Artikel berdasarkan category

```
public function categoryArticles($category){
    $articles = Article::whereHas('writer', function ($query) use ($category) {
        $query->where('spesialis', $category);
    })->get();

    return view('articles.category', compact('articles', 'category'));
}
```

WriterController akan menerima value category. Buat variable articles untuk mengambil semua data artikel milik writer yang spesialisnya sama dengan category yang dipilih. Lalu akan di view melalui route articles.category, dengan mengirim data articles dan category ke view.

```
Route::get('/articles/category/{category}', [WriterController::class, 'categoryArticles'])
->name('articles.category');
```

Dari route kita akan sambung ke database untuk panggil datanya pakai controller. Disini saya menggunakan WriterController dengan nama function categoryArticles dengan passing value category yang dipilih.

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```
@foreach($articles as $article)
    <div class="col-12 mb-4">
        <div class="card">
            <div class="row no-gutters">
                <div class="col-md-4">
                    title }}" style="width:
                </div>
                <div class="col-md-8">
                    <div class="card-body">
                        <h4 class="card-title">{{ $article->title }}</h4>
                        <p class="card-subtitle text-muted">{{ $article->created_at->format('d M Y') }} | By {{ explode(' '
                        <p class="card-text">{{ Str::limit($article->body, 150, '...') }}</p>
                        <a href="{{ route('articles.show', $article->id) }}" class="btn btn-outline-primary">Read More</a>
                    </div>
                </div>
            </div>
        </div>
    </div>
@endforeach
```

Lakukan foreach articles untuk menampilkan daftar artikel berdasarkan category yang dipilih sampai habis.

Footer

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Master

```
<div class="container-fluid">
    @include('layout.header')

    @yield('content')

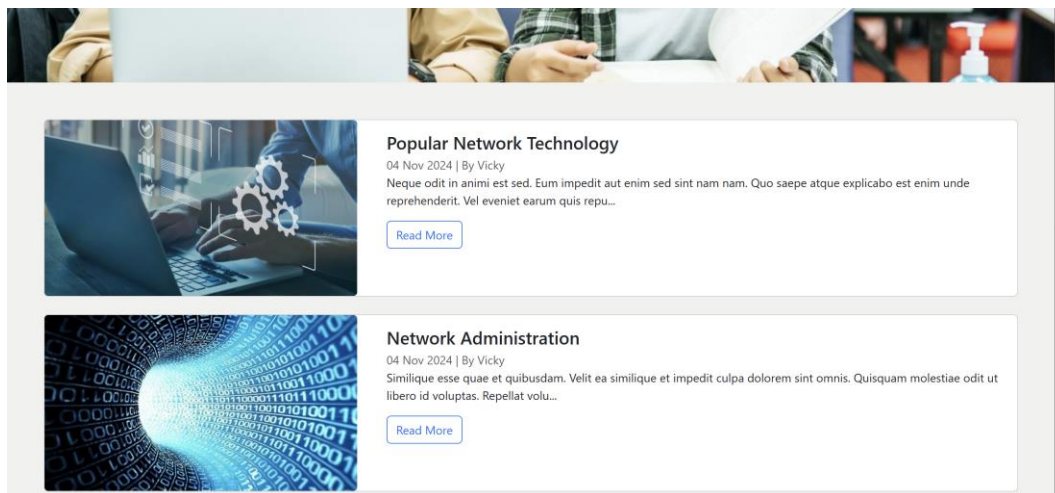
    @include('layout.footer')
</div>
```

Pada master.blade.php, saya meletakkan include header, yield content, dan include footer agar nantinya hanya di-extend di file yang ingin diberi header, content, dan footer (Agar code tidak panjang).

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Artikel di home page



Di home page, saya menampilkan seluruh artikel yang ada di database.

```
public function index(){
    $writers = Writer::with("articles")->get();
    $articles = Article::with('writer')->get();

    return view("home", compact("writers", "articles"));
}
```

Di WriterController, function ini berisi variable writers dan articles akan menampung semua data writer dan article. Lalu return data ke home dengan mengirim data writers dan articles.

```
Route::get('/home', [WriterController::class, 'index']
    )->name('home');
```

Agar semua artikel muncul di home, maka gunakan function index yang ada di WriterController.

```
@foreach($articles as $article)
    <div class="col-12 mb-4">
        <div class="card">
            <div class="row">
                <div class="col-md-4">
                    title }}" style="width: 100%; height: auto;">
                </div>
                <div class="col-md-8">
                    <div class="card-body">
                        <h4 class="card-title">{{ $article->title }}</h4>
                        <p class="card-subtitle text-muted">{{ $article->created_at->format('d M Y') }} | By {{ explode(' ', $article->writer->nama)[0] }}</p>
                        <p class="card-text">{{ Str::limit($article->body, 150, '...') }}</p>
                        <a href="{{ route('articles.show', $article->id) }}" class="btn btn-outline-primary">Read More</a>
                    </div>
                </div>
            </div>
        </div>
    </div>
@endforeach
```

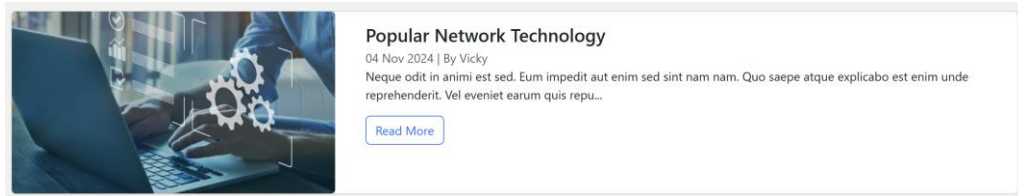
Pada home page, saya melakukan foreach artikel untuk mengambil data artikel secara berulang sampai habis. Mengambil data dari artikelnya untuk ditampilkan seperti

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`asset($article->gambarPath)` untuk ambil path gambar artikel (disimpan di folder img), `{{ explode(' ', $article->writer->nama)[0] }}` untuk mengambil nama depan writernya, dll.

Detail Article



```
<a href="{{ route('articles.show', $article->id) }}" class="btn btn-outline-primary">Read More</a>
```

Ketika button diklik maka akan href ke route `article.show` dan meneruskan value `id` ke route.

```
public function show($id)
{
    $article = Article::with('writer')->findOrFail($id);

    return view('articles.show', compact('article'));
}
```

Di `ArticleController`, ada function `show` yang membutuhkan parameter `id` dari `id` artikel yang dipilih. Variabel `article` akan menampung data artikel yang memiliki `id` yang sama seperti `id` yang dipilih

```
Route::get('/articles/{id}', [ArticleController::class, 'show']
->name('articles.show'));
```

Di route akan simpan `id` article yang dipilih untuk masuk ke function `show` di `ArticleController`.



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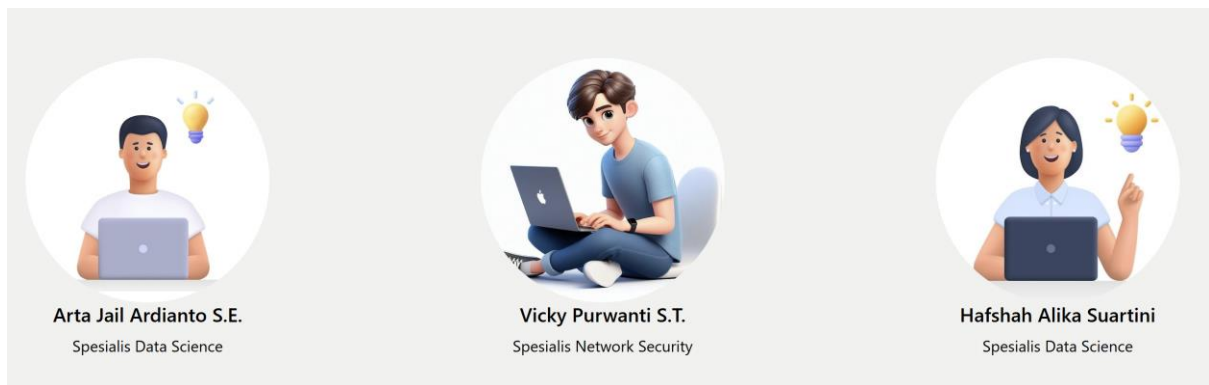
```
<h1 style="padding-bottom: 50px;">{{ $article->title }}</h1>
title }}" style="width: 100%; height: auto; border-radius: 10px;" />
<p class="text-muted">{{ $article->created_at->format('d M Y') }} | by {{ explode(' ', $article->writer->nama)[0] }}</p>
<div class="article-body">
    <p>{{ $article->body }}</p>
</div>
```

Tampilkan detail artikel sesuai dengan `id` artikel yang dipilih.

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Writers



Akan menampilkan data writers dari database.

```
public function writerList(){
    $writers = Writer::select('id', 'nama', 'spesialis', 'gambarPath', 'created_at')->get();
    return view("writers", compact("writers"));
}
```

Di WriterController, var writers akan menampung semua data yang di select untuk dikembalikan ke view writers.

```
Route::get('/writers', [WriterController::class, 'writerList']
)->name('writers');
```

Route akan mengarahkan untuk memanggil function writerList dari WriterController.

```
@foreach($writers as $writer)
    <div class="col-4">
        <a href="{{ route('writers.articles', ['id' => $writer->id]) }}" style="text-decoration: none; color: black;">
            
            <h5>{{ $writer->nama }}</h5>
            <p>Spesialis {{ $writer->spesialis }}</p>
        </a>
    </div>
@endforeach
```

Dengan menggunakan foreach writers, maka akan muncul semua data writer sampai habis.

Ketika gambar, nama, maupun spesialisnya diklik maka akan hred ke route writers.article dengan passing id dari writer yang dipilih.

Artikel milik writer

```
public function show($id){
    $writer = Writer::with('articles')->findOrFail($id);
    return view('writerArticle', compact('writer'));
}
```

Dalam function show di WriterController dengan parameter id milik writer, var writer akan simpan data writer dan artikel milik writer dengan id yang dipilih.

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```
Route::get('/writers/{id}/articles', [WriterController::class, 'show']
)->name('writers.articles');
```

Route akan panggil func show WriterController dengan simpan id writer yang dipilih.


```


</div>
<div class="col-11">
    <h3>{{ $writer->nama }}</h3>
    <h6>Spesialis {{ $writer->spesialis }}</h6>
</div>
</div>


@if($writer->articles->isEmpty())
<p>Tidak ada artikel dari penulis ini.</p>
@else
<div class="row">
    @foreach($writer->articles as $article)
    <div class="col-12 mb-4">
        <div class="card">
            <div class="row">
                <div class="col-md-4">
                    title }}" style="width: 100%; height: auto;">
                </div>
                <div class="col-md-8">
                    <div class="card-body">
                        <h4 class="card-title">{{ $article->title }}</h4>
                        <p class="card-subtitle text-muted">{{ $article->created_at->format('d M Y') }} | By {{ explode(' ', $article->writer->nama)[0] }}</p>
                        <p class="card-text">{{ Str::limit($article->body, 150, '...') }}</p>
                        <a href="{{ route('articles.show', $article->id) }}" class="btn btn-outline-primary">Read More</a>
                    </div>
                </div>
            </div>
        </div>
    </div>
    @endforeach
</div>
@endif
```

Ambil data writer yang akan ditampilkan, seperti nama, gambar, dan spesialis. Untuk menampilkan daftar artikel milik writer, lakukan foreach untuk ambil data artikel yang dimiliki writer sampai habis.

Popular page







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Pada popular page, caranya sama seperti memanggil semua data artikel yang ada di home page. Ada tambahan yaitu pagination Dimana 1 page menampilkan 3 artikel.

```
@endforeach
{{ $articles->links() }}
</div>
```

di popular.blade.php

```
public function popular(){
    $articles = Article::paginate(3);
    return view('popular', compact('articles'));
}
```

Lakukan paginate untuk setiap 3 artikel

```
AppServiceProvider.php
1
2
3
4
5 use Illuminate\Support\ServiceProvider;
6 use Illuminate\Pagination\Paginator;
7
8 class AppServiceProvider extends ServiceProvider
9 {
10     /**
11      * Register any application services.
12      */
13     public function register(): void
14     {
15         //
16     }
17
18     /**
19      * Bootstrap any application services.
20      */
21     public function boot(): void
22     {
23         //
24         Paginator::useBootstrap();
25     }
26 }
27
```

Tambahkan “use Illuminate\Pagination\Paginator;” dan “Paginator::useBootstrap();” agar pagination lebih rapi.