

LAPORAN
TUGAS BESAR PEMROGRAMAN WEB LANJUT
“WEBSITE ELDHA NEWS”



Oleh:

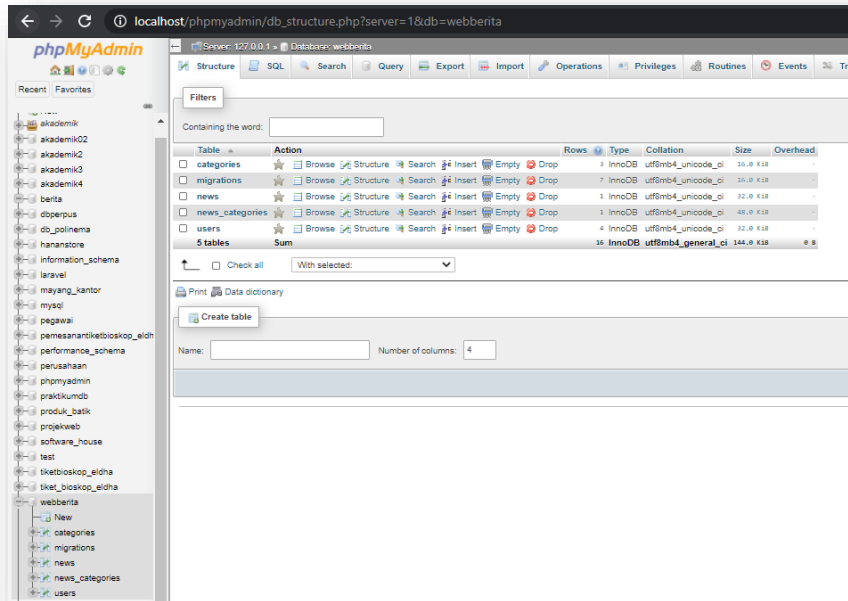
R. Eldha Nirwana / 1931710140

MI 2D

PEMROGRAMAN STUDI D3 MANAJEMEN INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2020

Judul Website	Eldha News
Jenis Website	Website Berita
Deskripsi	Eldha News adalah jenis website berita dimana memberikan layanan kepada para pembaca untuk membaca berita- berita yang menarik secara online. Pembaca bisa membaca berita tanpa login. Login hanya digunakan bagi admin untuk mengupdate berita (add , delete dan edit) berdasarkan kategori. Admin juga bisa mengupdate kategori (add , delete dan edit).
Menu	<ol style="list-style-type: none"> 1. Halaman utama halaman ini sebagai menyajikan daftar berita yang telah diupload. 2. Login Menu login ini dikhususkan untuk admin saja untuk melakukan update berita. 3. Berita Menu Berita ini digunakan untuk menambahkan, mengedit dan mendelete berita. 4. Kategori Menu Kategori berita digunakan untuk menambah, mengedit dan mendelete kategori berita. 5. Pengguna Menu pengguna digunakan untuk mengedit profil pengguna(admin) dan juga menambah pengguna. 6. Logout Menu logout digunakan untuk keluar dari website

DATABASE



```
.env
1 APP_NAME=Laravel
2 APP_ENV=local
3 APP_KEY=base64:vr6wuRODEf7qNMLKV1STUwRMSP7cDZuMo5E1v+M15s=
4 APP_DEBUG=true
5 APP_URL=http://localhost
6
7 LOG_CHANNEL=stack
8
9 DB_CONNECTION=mysql
10 DB_HOST=127.0.0.1
11 DB_PORT=3306
12 DB_DATABASE=webberita
13 DB_USERNAME=root
14 DB_PASSWORD=
15
16 BROADCAST_DRIVER=log
17 CACHE_DRIVER=file
18 QUEUE_CONNECTION=sync
19 SESSION_DRIVER=file
20 SESSION_LIFETIME=120
21
22 REDIS_HOST=127.0.0.1
23 REDIS_PASSWORD=null
24 REDIS_PORT=6379
25
26 MAIL_DRIVER=smtp
27 MAIL_HOST=smtp.mailtrap.io
28 MAIL_PORT=2525
29 MAIL_USERNAME=null
30 MAIL_PASSWORD=null
31 MAIL_ENCRYPTION=null
32 MAIL_FROM_ADDRESS=null
33 MAIL_FROM_NAME="${APP_NAME}"
34
35 AWS_ACCESS_KEY_ID=
36 AWS_SECRET_ACCESS_KEY=
37 AWS_DEFAULT_REGION=us-east-1
38 AWS_BUCKET=
39
```

SOURCE CODE

1. MODEL

➤ Users

```
app > User.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Contracts\Auth\MustVerifyEmail;
6  use Illuminate\Foundation\Auth\User as Authenticatable;
7  use Illuminate\Notifications\Notifiable;
8
9  class User extends Authenticatable
10 {
11     use Notifiable;
12
13     /**
14      * The attributes that are mass assignable.
15      *
16      * @var array
17      */
18     protected $fillable = [
19         'name', 'email', 'password',
20     ];
21
22     /**
23      * The attributes that should be hidden for arrays.
24      *
25      * @var array
26      */
27     protected $hidden = [
28         'password', 'remember_token',
29     ];
30
31     /**
32      * The attributes that should be cast to native types.
33      *
34      * @var array
35      */
36     protected $casts = [
37         'email_verified_at' => 'datetime',
38     ];
39
40     /**
41      * one to many ke tabel news
42      *
43      * @return void
44      */
45     public function news()
46     {
47         return $this->hasMany('App\News');
48     }
49 }
50
```

➤ News

```
app > News.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6
7  class News extends Model
8  {
9      protected $table = 'news';
10
11      // kolom yang boleh diisi
12      protected $fillable = ['title', 'slug', 'news_text', 'created_by'];
13
14      /**
15       * Many to many ke tabel categories
16       *
17       * @return void
18       */
19      public function categories()
20      {
21          return $this->belongsToMany('App\Category', 'news_categories', 'news_id', 'category_id');
22      }
23
24      /**
25       * one to many ke tabel users
26       *
27       * @return void
28       */
29      public function users()
30      {
31          return $this->belongsTo('App\User', 'created_by', 'id');
32      }
33
34  }
```

➤ Category

```
app > Category.php
1  <?php
2
3  namespace App;
4
5  use Illuminate\Database\Eloquent\Model;
6
7  class Category extends Model
8  {
9      protected $table = 'categories';
10
11      // kolom yang boleh diisi
12      protected $fillable = ['name'];
13  }
14
```

2. VIEW

➤ Layout

✓ Tampilan Layout

```
resources > views > layouts > layout.blade.php
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <meta http-equiv="X-UA-Compatible" content="ie=edge">
7 <link rel="stylesheet" href="{{ asset('css/app.css') }}">
8
9 <title>@yield('title')</title>
10
11 <style>
12     .judul-berita {
13         font-size: 20px;
14         font-weight: bold;
15     }
16
17     .kategori-berita {
18         margin-top: 30px;
19     }
20
21     .kategori-berita span {
22         font-size: 13px;
23     }
24
25     .kategori-berita span.kategori-title {
26         border: solid rgb(136, 117, 117) 1px;
27         padding: 2px 6px;
28         font-weight: bold;
29     }
30
31     /* Untuk pagination biar bisa ketengah */
32     .pagination {
33         justify-content: center;
34     }
35 </style>
```

```
37 @stack('css')
38 </head>
39 <body class="bg-light">
40
41 <!--Include Navbar-->
42 @include('layouts.navbar')
43
44 {{-- Untuk menampung data body --}}
45 <div class="container mt-2">
46     @yield('content')
47 </div>
48
49
50 <script src="{{ asset('vendors/jquery/jquery.min.js') }}"></script>
51 <script src="{{ asset('vendors/bootstrap/js/bootstrap.min.js') }}"></script>
52
53 @stack('js')
54 </body>
55 </html>
```

✓ Navbar Layout

```
resources > views > layouts > navbar.blade.php
1 <nav class="navbar navbar-expand-lg navbar-dark bg-dark">
2 <div class="container">
3
4 <a class="navbar-brand" href="/">ELDHA NEWS</a>
5 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavDropdown" aria-controls="nav
6 <span class="navbar-toggler-icon"></span>
7 </button>
8 <div class="collapse navbar-collapse" id="navbarNavDropdown">
9 <!--Jika keadaan sudah login-->
10 @if (\Auth::user())
11 <ul class="navbar-nav ml-auto">
12 <li class="nav-item">
13 <a class="nav-link" {{ Request::is('admin/berita') ? ' active' : '' }} href="{{ route('admin.berita.index') }}">Berita</a>
14 </li>
15 <li class="nav-item">
16 <a class="nav-link" {{ Request::is('admin/kategori') ? ' active' : '' }} href="{{ route('admin.kategori.index') }}">Kategori</a>
17 </li>
18 <li class="nav-item">
19 <a class="nav-link" {{ Request::is('admin/pengguna') ? ' active' : '' }} href="{{ route('admin.pengguna.index') }}">Pengguna</a>
20 </li>
21 <li class="nav-item dropdown">
22 <a class="nav-link dropdown-toggle" href="#" id="navbarDropdownMenuLink" data-toggle="dropdown" aria-haspopup="true"
23 {{ \Auth::user()->name ?? 'Nothing' }}>
24 </a>
25 <div class="dropdown-menu" aria-labelledby="navbarDropdownMenuLink">
26 <form action="{{ route('logout') }}" method="post" id="logout">
27 @csrf
28 <a class="dropdown-item" href="#" onclick="document.getElementById('logout').submit();">Logout</a>
29 </form>
30 </div>
31 </li>
32 </ul>
33
34 <!--Jika keadaan sudah belum/tidak login-->
35 @else
36 <ul class="navbar-nav ml-auto">
37 <li class="nav-item">
38 <a class="nav-link active" href="{{ route('login') }}">Login</a>
39 </li>
40 </ul>
41 @endif
42 </div>
43 </div>
44 </nav>
```

➤ Berita

✓ Index (tampilan daftar berita)

```
resources > views > berita > index.blade.php
1  @extends('layouts.layout')
2
3  @section('title', 'Berita Hari Ini')
4
5  @section('content')
6
7      <div class="card">
8          <div class="card-header p-3">
9              <h4 class="card-title m-0">Daftar berita</h4>
10             </div>
11
12             @foreach ($newses as $news)
13                 <div class="card-body p-2">
14                     <div class="judul-berita">
15                         <a href="{{ route('berita.detail', $news->slug_title) }}">{{ $news->title }}</a>
16                     </div>
17                     <div class="tanggal-berita">
18                         <small>{{ date('d M Y', strtotime($news->created_at)) }}</small>
19                     </div>
20
21                     <hr>
22                 </div>
23             @endforeach
24         </div>
25     @endsection
26
27 @endsection
```

✓ Detail (detail berita yang dipilih)

```
resources > views > berita > detail.blade.php
1  @extends('layouts.layout')
2
3  @section('title', $news->title)
4
5  @section('content')
6      <div class="card">
7          <div class="card-body">
8              <h3>{{ $news->title }}</h3>
9              <small>By <b>{{ $news->users->name }}</b> - {{ date('d M Y', strtotime($news->created_at)) }}</small>
10
11              <hr>
12
13              <div class="isi-berita">
14                  {{ $news->news_text }}
15              </div>
16
17              <div class="kategori-berita">
18                  <span class="kategori-title">kategori</span>
19                  @foreach ($news->categories as $category)
20                      <a href="#">
21                          <span class="badge badge-primary">
22                              {{ $category->name }}
23                          </span>
24                      </a>
25                  @endforeach
26              </div>
27          </div>
28      </div>
29  @endsection
30
```


➤ Auth

✓ Login (tampilan login)

```
resources > views > auth > login.blade.php
1  @extends('layouts.layout')
2
3  @section('content')
4  <div class="container">
5      <div class="row justify-content-center">
6          <div class="col-md-8">
7              <div class="card">
8                  <div class="card-header">{{ __('Login') }}</div>
9
10                 <div class="card-body">
11                     <form method="POST" action="{{ route('login') }}">
12                         @csrf
13
14                         <div class="form-group row">
15                             <label for="email" class="col-md-4 col-form-label text-md-right">{{ __('E-Mail Address') }}</label>
16
17                             <div class="col-md-6">
18                                 <input id="email" type="email" class="form-control @error('email') is-invalid @enderror" name="email">
19
20                                 @error('email')
21                                     <span class="invalid-feedback" role="alert">
22                                         <strong>{{ $message }}</strong>
23                                     </span>
24                                 @enderror
25                             </div>
26                         </div>
27
28                         <div class="form-group row">
29                             <label for="password" class="col-md-4 col-form-label text-md-right">{{ __('Password') }}</label>
30
31                             <div class="col-md-6">
32                                 <input id="password" type="password" class="form-control @error('password') is-invalid @enderror" name="password">
33
34                                 @error('password')
35                                     <span class="invalid-feedback" role="alert">
36                                         <strong>{{ $message }}</strong>
37                                     </span>
38                                 @enderror
39                             </div>
40                         </div>
41
42                         <div class="form-group row mb-0">
43                             <div class="col-md-8 offset-md-4">
44                                 <button type="submit" class="btn btn-primary">
45                                     {{ __('Login') }}
46                                 </button>
47                             </div>
48                         </div>
49                     </form>
50                 </div>
51             </div>
52         </div>
53     </div>
54 </div>
55 @endsection
56
```

➤ Admin

✓ Menu Berita

- Index (tampilan untuk table berita terdiri dari judul, berita, kategori dll serta untuk mendelete berita)

```
resources > views > admin > berita > index.blade.php
1  @extends('layouts.layout')
2
3  @section('title', 'Daftar Berita')
4
5  @section('content')
6  <div class="row justify-content-center">
7    <div class="col-md-12">
8      <div class="card card-default">
9        <div class="card-header">
10         <h5 class="card-title d-inline">Daftar Berita</h5>
11         <a href="{{ route('admin.berita.create') }}" class="btn btn-success btn-sm float-right">Tambah Berita</a>
12       </div>
13       <div class="card-body">
14         <table class="table table-bordered table-hover table-striped">
15           <thead>
16             <tr>
17               <th width=50>#</th>
18               <th width=100>Judul</th>
19               <th width=500>Berita</th>
20               <th width=200>Kategori</th>
21               <th width=100>Judul Slug</th>
22               <th width=100>Created By</th>
23               <th width=100>Tgl. Buat</th>
24               <th width=100>Action</th>
25             </tr>
26           </thead>
27           <tbody>
28             <!--Menampilkan semua kategori-->
29             @foreach ($newses as $key => $news )
30               <tr>
31                 <td>{{ ++$key }}</td>
32                 <td>{{ $news->title }}</td>
33                 <td>{{ $news->news_text }}</td>
34                 <td>
35                   @foreach ($news->categories as $category)
36                     <label class="badge badge-success">{{ $category->name }}</label>
37                   </td>
38                 <td>{{ $news->slug_title }}</td>
39                 <td>{{ $news->users->name }}</td>
40                 <td>{{ date('d/M/Y', strtotime($news->created_at)) }}</td>
41                 <td>
42                   <div class="btn-group-sm">
43                     <form action="{{ route('admin.berita.destroy', $news->id) }}" method="post">
44                       <a href="{{ route('admin.berita.edit', $news->id) }}" class="btn btn-warning btn-sm">Edit</a>
45                       @csrf
46                       @method('delete')
47                       <button type="submit" class="btn btn-danger btn-sm">Delete</button>
48                     </form>
49                   </div>
50                 </td>
51               </tr>
52             @endforeach
53           </tbody>
54           <tfoot>
55             <tr>
56               <td colspan=8>
57                 <div class="row justify-content-between">
58                   <div class="col-md-12 ">
59                     {{ $newses->appends(Request::all())->links() }}
60                   </div>
61                 </div>
62               </td>
63             </tr>
64           </tfoot>
65         </table>
66       </div>
67     </div>
68   </div>
69 </div>
70 </div>
71 </div>
72 @endsection
```

- Edit (Tampilan edit berita dengan menginputkan judul, isi berita dan kategori)

```
resources > views > admin > berita > edit.blade.php
1  @extends('layouts.layout')
2
3  @section('title', 'Edit Pengguna')
4
5  @section('content')
6  <form action="{{ route('admin.berita.update', $news->id) }}" method="post">
7  @csrf
8  @method('put')
9
10     <div class="row justify-content-center">
11         <div class="col-md-6">
12             <div class="card card-default">
13                 <div class="card-header">
14                     <h5 class="card-title d-inline">Edit Berita</h5>
15                 </div>
16                 <div class="card-body">
17                     <div class="form-group">
18                         <label for="nama">Judul</label>
19                         <input type="text" name="judul" id="judul"
20                             class="form-control" placeholder="Masukan judul berita" autofocus="on" required
21                             value="{{ $news->title }}">
22                     </div>
23
24                     <div class="form-group">
25                         <label for="isi_berita">Isi Berita</label>
26                         <textarea name="isi_berita" id="isi_berita" cols="30" rows="5"
27                             class="form-control" placeholder="Masukan isi berita">{{ $news->news_text }}</textarea>
28                     </div>
29                 </div>
30             </div>
31         </div>
32
33         <div class="col-md-4">
34             <div class="card card-default">
35                 <div class="card-header">
36                     <h5 class="card-title d-inline">Tambah Kategori Berita</h5>
37                 </div>
38                 <div class="card-body">
39                     <!--Melakukan perulangan kategori dan mengecek kategori mana yang dipakai untuk kebutuhan engeditan-->
40                     @foreach ($categories as $category)
41                         <div>
42                             <input type="checkbox" name="categories[]" value="{{ $category->id }}" id="c-{{ $category->id }}"
43                                 {{ in_array($category->id, $news_category_id) ? 'checked' : '' }}>
44                             <label for="c-{{ $category->id }}">{{ $category->name }}</label>
45                         </div>
46                     @endforeach
47
48                     <div class="form-group">
49                         <button type="submit" class="btn btn-success btn-sm">Simpan</button>
50                     </div>
51                 </div>
52             </div>
53         </div>
54     </form>
55 @endsection
```

- Create (tampilan untuk menambah berita dengan menginputkan judul, isi, dan kategori)

```
resources > views > admin > berita > create.blade.php
1  @extends('layouts.layout')
2
3  @section('title', 'Tambah Berita')
4
5  @section('content')
6  <form action="{{ route('admin.berita.store') }}" method="post">
7  @csrf
8
9  <div class="row justify-content-center">
10     <div class="col-md-6">
11         <div class="card card-default">
12             <div class="card-header">
13                 <h5 class="card-title d-inline">Tambah Berita</h5>
14             </div>
15             <div class="card-body">
16
17                 <div class="form-group">
18                     <label for="nama">Judul</label>
19                     <input type="text" name="judul" id="judul"
20                         class="form-control" placeholder="Masukan judul berita" autofocus="on" required>
21                 </div>
22
23                 <div class="form-group">
24                     <label for="isi_berita">Isi Berita</label>
25                     <textarea name="isi_berita" id="isi_berita" cols="30" rows="5"
26                         class="form-control" placeholder="Masukan isi berita"></textarea>
27                 </div>
28             </div>
29         </div>
30     </div>
```

```
31     <div class="col-md-4">
32         <div class="card card-default">
33             <div class="card-header">
34                 <h5 class="card-title d-inline">Tambah Kategori Berita</h5>
35             </div>
36             <div class="card-body">
37                 @foreach ($categories as $category)
38                     <div>
39                         <input type="checkbox" name="categories[]" value="{{ $category->id }}" id="c-{{ $category->id }}">
40                         <label for="c-{{ $category->id }}">{{ $category->name }}</label>
41                     </div>
42                 @endforeach
43
44                 <div class="form-group">
45                     <button type="submit" class="btn btn-success btn-sm">Simpan</button>
46                 </div>
47             </div>
48         </div>
49     </div>
50 </form>
51 @endsection
```

3. CONTROLLER

➤ UserController

```
app > Http > Controllers > UserController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\User;
6  use Illuminate\Http\Request;
7  use Illuminate\Support\Facades\Hash;
8  use Illuminate\Support\Facades\Validator;
9
10 class UserController extends Controller
11 {
12     /**
13      * Display a listing of the resource.
14      *
15      * @return \Illuminate\Http\Response
16      */
17     public function index()
18     {
19         // Digunakan untuk menampung data pengguna yang akan di tampilkan ke view
20         // di halaman hanya menampilkan 5 pengguna
21         $users = User::paginate(5);
22
23         return view('admin.pengguna.index', compact('users'));
24     }
25
26     /**
27      * Show the form for creating a new resource.
28      *
29      * @return \Illuminate\Http\Response
30      */
31     public function create()
32     {
33         return view('admin.pengguna.create');
34     }
35
36     /**
37      * Store a newly created resource in storage.
38      *
39      * @param \Illuminate\Http\Request $request
40      * @return \Illuminate\Http\Response
41      */
42     public function store(Request $request)
43     {
44         // Untuk validasi pengguna
45         $this->validate($request, [
46             'nama' => ['required', 'string', 'max:20'], // Untuk validasi nama, maksimal 20
47             'email' => ['required', 'string', 'email', 'max:255', 'unique:users'], // Untuk validasi email, email tidak boleh sama dengan y
48             'password' => ['required', 'string', 'min:5', 'confirmed'], // membuat validasi password beserta konfirmasi password
49         ]);
50
51         $user = new User();
52
53         $user->name = $request->get('nama');
54         $user->email = $request->get('email');
55         $user->password = Hash::make($request->get('password'));
56
57         $user->save();
58
59         return redirect()
60             ->route('admin.pengguna.index');
61     }
62 }
```

```

63  /**
64  * Show the form for editing the specified resource.
65  *
66  * @param int $id
67  * @return \Illuminate\Http\Response
68  */
69  public function edit($id)
70  {
71      // melakukan pencarian kategori berdasarkan ID
72      $user = User::where('id', $id)->first();
73
74      return view('admin.pengguna.edit', compact('user'));
75  }
76
77  /**
78  * Update the specified resource in storage.
79  *
80  * @param \Illuminate\Http\Request $request
81  * @param int $id
82  * @return \Illuminate\Http\Response
83  */
84  public function update(Request $request, $id)
85  {
86      // membuat variabel yang fungsinya untuk menampung object yang dicari
87      $user = User::where('id', $id)->firstOrFail();
88
89      // menampung inputan data
90      $user->name = $request->get('name');
91
92      // cek inputan password
93      if ($request->get('password') != '') {
94          $user->password = Hash::make($request->get('password'));
95      }
96
97      $user->save();
98
99      // Kembali ke data index kategori
100     return redirect()
101         ->route('admin.pengguna.index');
102 }

```

```

104  /**
105  * Remove the specified resource from storage.
106  *
107  * @param int $id
108  * @return \Illuminate\Http\Response
109  */
110  public function destroy($id)
111  {
112      //
113  }
114 }
115

```

➤ NewsReader

```

app > Http > Controllers > NewsReaderController.php
1  namespace App\Http\Controllers;
2
3  use App\News;
4  use Illuminate\Http\Request;
5
6  class NewsReaderController extends Controller
7  {
8
9      /**
10     * Digunakan untuk menampilkan daftar berita
11     *
12     * @return void
13     */
14     public function dashboard()
15     {
16         $newses = News::paginate(5);
17         return view('berita.index', compact('newses'));
18     }
19
20     /**
21     * Menampilkan detail berita
22     *
23     * @return void
24     */
25     public function detailBerita($slug_title)
26     {
27         $news = News::where('slug_title', $slug_title)->firstOrFail();
28
29         return view('berita.detail', compact('news'));
30     }
31 }
32
33

```

➤ NewsController

```
app > Http > Controllers > NewsController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Category;
6  use App\News;
7  use Illuminate\Support\Str;
8  use Illuminate\Http\Request;
9
10 class NewsController extends Controller
11 {
12     /**
13      * Display a listing of the resource.
14      *
15      * @return \Illuminate\Http\Response
16      */
17     public function index()
18     {
19         $newses = News::paginate(5);
20
21         return view('admin.berita.index', compact('newses'));
22     }
23
24     /**
25      * Show the form for creating a new resource.
26      *
27      * @return \Illuminate\Http\Response
28      */
29     public function create()
30     {
31         $categories = Category::all();
32
33         return view('admin.berita.create', compact('categories'));
34     }
35 }
```

```
39     * @param \Illuminate\Http\Request $request
40     * @return \Illuminate\Http\Response
41     */
42     public function store(Request $request)
43     {
44         // dd($request->all(), $request->get('categories')[2]);
45
46         // untuk menyimpan data yang sudah diinputkan
47         $news = new News();
48
49         $news->title = $request->get('judul'); // mengambil inputan berdasarkan nama
50         $news->slug_title = Str::slug($request->get('judul')); // membuat data berupa SLUG sesuai dengan judul
51         $news->news_text = $request->get('isi_berita'); // mengambil inputan berdasarkan isi berita
52         $news->created_by = \Auth::user()->id; // mengambil ID PENGGUNA yang login
53
54         // untuk menyimpan inputan
55         $news->save();
56
57         // Menambahkan kategori yang dipilih
58         // dicek apakah data kosong atau tidak
59         if ($request->get('categories') != NULL) {
60             $news->categories()->attach($request->get('categories'));
61         }
62
63         // Kembali ke data index kategori
64         return redirect()
65             ->route('admin.berita.index');
66     }
67 }
```

```

71  * @param int $id
72  * @return \Illuminate\Http\Response
73  */
74  public function edit($id)
75  {
76      $categories = Category::all();
77
78      // melakukan pencarian kategori berdasarkan ID
79      $news = News::where('id', $id)->first();
80
81      // Digunakan untuk menampung data array relasi, yang mana digunakan agar checkbox bisa
82      // Tercentang secara otomatis
83      $news_category_id = $news->categories->pluck('id')->toArray();
84
85      return view('admin.berita.edit', compact('categories', 'news', 'news_category_id'));
86  }
87

```

```

91  * @param \Illuminate\Http\Request $request
92  * @param int $id
93  * @return \Illuminate\Http\Response
94  */
95  public function update(Request $request, $id)
96  {
97      // untuk menyimpan data yang sudah diinputkan
98      $news = News::where('id', $id)->firstOrFail();
99
100     $news->title = $request->get('judul'); // mengambil inputan berdasarkan nama
101     $news->slug_title = Str::slug($request->get('judul')); // membuat data berupa SLUG sesuai dengan judul
102     $news->news_text = $request->get('isi_berita'); // mengambil inputan berdasarkan isi berita
103     $news->created_by = \Auth::user()->id; // mengambil ID PENGGUNA yang login
104
105     // untuk menyimpan inputan
106     $news->save();
107
108     // Menambahkan kategori yang dipilih
109     $news->categories()->sync($request->get('categories'));
110
111     // Kembali ke data index kategori
112     return redirect()
113         ->route('admin.berita.index');
114 }
115

```

```

116  /**
117   * Remove the specified resource from storage.
118   *
119   * @param int $id
120   * @return \Illuminate\Http\Response
121   */
122  public function destroy($id)
123  {
124      //untuk menghapus berita berdasarkan ID
125      News:: where('id', $id)-> delete();
126
127      //kembali ke data index kategori
128      return redirect()
129          ->back();
130  }
131 }
132

```


➤ CategoryController

```
app > Http > Controllers > CategoryController.php
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use App\Category;
6  use Illuminate\Http\Request;
7
8  class CategoryController extends Controller
9  {
10     /**
11      * Display a listing of the resource.
12      *
13      * @return \Illuminate\Http\Response
14      */
15     public function index()
16     {
17         // Digunakan untuk menampung data kategori yang akan di tampilkan ke view
18         // di halaman hanya menampilkan 5 kategori
19         $categories = Category::paginate(5);
20
21         return view('admin.kategori.index', compact('categories'));
22     }
23
24     /**
25      * Show the form for creating a new resource.
26      *
27      * @return \Illuminate\Http\Response
28      */
29     public function create()
30     {
31         // Menampilkan tampilan tambah
32         return view('admin.kategori.create');
33     }
34
35     /**
36      * Store a newly created resource in storage.
37      *
38      * @param \Illuminate\Http\Request $request
39      * @return \Illuminate\Http\Response
40      */
41     public function store(Request $request)
42     {
43         // untuk menyimpan data yang sudah diinputkan
44         $category = new Category;
45
46         $category->name = $request->get('nama_kategori'); // mengambil inputan berdasarkan nama
47
48         // untuk menyimpan inputan
49         $category->save();
50
51         // Kembali ke data index kategori
52         return redirect()
53             ->route('admin.kategori.index');
54     }
55
56     /**
57      * Show the form for editing the specified resource.
58      *
59      * @param int $id
60      * @return \Illuminate\Http\Response
61      */
62     public function edit($id)
63     {
64         // melakukan pencarian kategori berdasarkan ID
65         $category = Category::where('id', $id)->first();
66
67         return view('admin.kategori.edit', compact('category'));
68     }
69 }
```

```

74      * @param \Illuminate\Http\Request $request
75      * @param int $id
76      * @return \Illuminate\Http\Response
77      */
78      public function update(Request $request, $id)
79      {
80          // membuat variabel yang fungsinya untuk menampung object yang dicari
81          $category = Category::where('id', $id)->firstOrFail();
82
83          // menampung inputan data
84          $category->name = $request->get('nama_kategori');
85
86          $category->save();
87
88          // Kembali ke data index kategori
89          return redirect()
90              ->route('admin.kategori.index');
91      }
92
93      /**
94       * Remove the specified resource from storage.
95       *
96       * @param int $id
97       * @return \Illuminate\Http\Response
98       */
99      public function destroy($id)
100     {
101         // Untuk menghapus kategori berdasarkan ID
102         Category::where('id', $id)->delete();
103
104         // Kembali ke data index kategori
105         return redirect()
106             ->back();
107     }
108 }

```

4. MIGRATION

➤ add_news_table

```

database > migrations > 2020_12_20_014734_add_news_table.php
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  class AddNewsTable extends Migration
8  {
9      /**
10       * Run the migrations.
11       *
12       * @return void
13       */
14       public function up()
15       {
16           Schema::create('news', function (Blueprint $table) {
17               $table->id();
18               $table->string('title');
19               $table->string('slug_title');
20               $table->text('news_text');
21               $table->unsignedBigInteger('created_by');
22               $table->timestamps();
23           });
24       }
25
26       /**
27        * Reverse the migrations.
28        *
29        * @return void
30        */
31       public function down()
32       {
33           Schema::dropIfExists('news');
34       }
35 }

```

➤ add_categories_table

```
database > migrations > 2020_12_20_014906_add_categories_table.php
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  class AddCategoriesTable extends Migration
8  {
9      /**
10       * Run the migrations.
11       *
12       * @return void
13       */
14     public function up()
15     {
16         Schema::create('categories', function (Blueprint $table) {
17             $table->id();
18             $table->string('name');
19             $table->timestamps();
20         });
21     }
22
23     /**
24      * Reverse the migrations.
25      *
26      * @return void
27      */
28     public function down()
29     {
30         Schema::dropIfExists('categories');
31     }
32 }
33
```

➤ add_news_categories_table

```
database > migrations > 2020_12_20_015014_add_news_categories_table.php
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  class AddNewsCategoriesTable extends Migration
8  {
9      /**
10       * Run the migrations.
11       *
12       * @return void
13       */
14     public function up()
15     {
16         Schema::create('news_categories', function (Blueprint $table) {
17             $table->id();
18             $table->unsignedBigInteger('news_id');
19             $table->unsignedBigInteger('category_id');
20
21             // Menambahkan relasi ke tabel news
22             $table->foreign('news_id')
23                 ->references('id')
24                 ->on('news')
25                 ->onUpdate('cascade')
26                 ->onDelete('cascade');
27
28             // Menambahkan relasi ke tabel categories
29             $table->foreign('category_id')
30                 ->references('id')
31                 ->on('categories')
32                 ->onUpdate('cascade')
33                 ->onDelete('cascade');
34         });
35     }
36 }
```

```

37  /**
38   * Reverse the migrations / jika dijalankan rollback
39   *
40   * @return void
41   */
42  public function down()
43  {
44      Schema::table('news_categories', function (Blueprint $table) {
45          $table->dropForeign(['news_id', 'category_id']);
46      });
47
48      Schema::dropIfExists('news');
49  }
50 }
51

```

➤ add_relation_create_by_with_users

```

database > migrations > 2020_12_20_015144_add_relation_created_by_with_users.php
1  <?php
2
3  use Illuminate\Database\Migrations\Migration;
4  use Illuminate\Database\Schema\Blueprint;
5  use Illuminate\Support\Facades\Schema;
6
7  class AddRelationCreatedByWithUsers extends Migration
8  {
9
10     /**
11      * Run the migrations.
12      *
13      * @return void
14      */
15     public function up()
16     {
17         Schema::table('news', function (Blueprint $table) {
18             $table->foreign('created_by')
19                 ->references('id')
20                 ->on('users')
21                 ->onUpdate('cascade')
22                 ->onDelete('cascade');
23         });
24     }
25
26     /**
27      * Reverse the migrations.
28      *
29      * @return void
30      */
31     public function down()
32     {
33         Schema::table('news', function (Blueprint $table) {
34             $table->dropForeign(['created_by']);
35         });
36     }
37 }

```

5. Seeder

➤ Users

```
database > seeds > UserSeeder.php
1  <?php
2
3  use App\User;
4  use Illuminate\Database\Seeder;
5  use Illuminate\Support\Facades\Hash;
6
7  class UserSeeder extends Seeder
8  {
9      /**
10       * Run the database seeds.
11       *
12       * @return void
13       */
14     public function run()
15     {
16         echo "[-] Tambah pengguna dalam proses . . .";
17
18         // Menambahkan pengguna baru
19         User::create([
20             'name' => 'admin',
21             'email' => 'admin@gmail.com',
22             'password' => Hash::make('admin') // password = admin
23         ]);
24
25         echo "[+] Tambah pengguna sudah selesai . . .";
26     }
27 }
28
29
```

➤ NewsSeeder

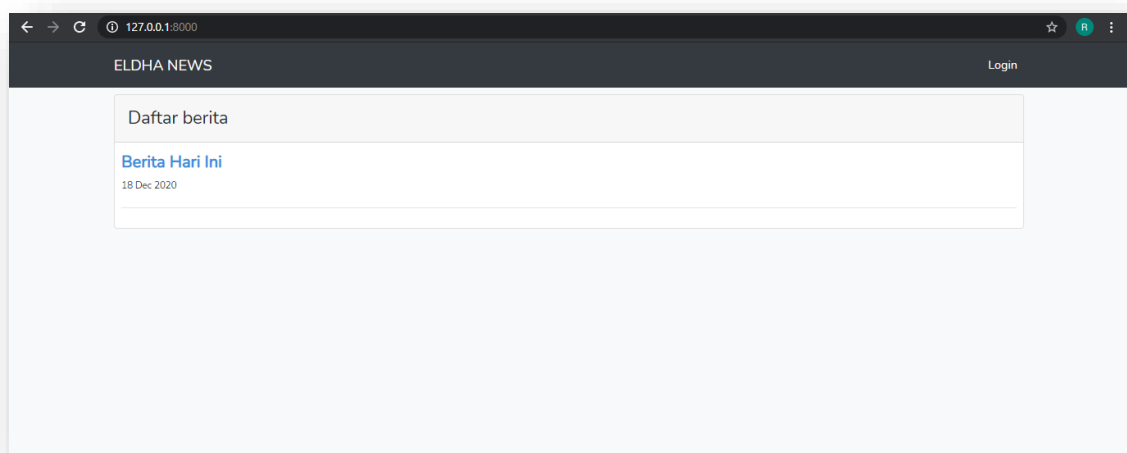
```
database > seeds > NewsSeeder.php
1  <?php
2
3  use App\News;
4  use Illuminate\Support\Str;
5  use Illuminate\Database\Seeder;
6
7  class NewsSeeder extends Seeder
8  {
9      /**
10       * Run the database seeds.
11       *
12       * @return void
13       */
14     public function run()
15     {
16         echo "[-] Tambah Berita dalam proses . . . <br>";
17
18         // Menambahkan berita baru
19         $news = News::create([
20             'title' => "Berita Hari Ini",
21             'slug_title' => Str::slug("Berita Hari Ini"),
22             'news_text' => "Lorem ipsum dolor sit, amet consectetur adipisicing elit. Aperiam iure itaque nulla distinct",
23             'created_by' => 1, // 1 adalah ID user
24         ]);
25
26         echo "[-] Tambah Kategori Berita dalam proses . . . <br>";
27
28         // Menambahkan kategori berita
29         $news->categories()->attach([1, 2]);
30
31         echo "[-] Tambah Berita selesai . . . <br>";
32     }
33 }
34
```

➤ CategorySeeder

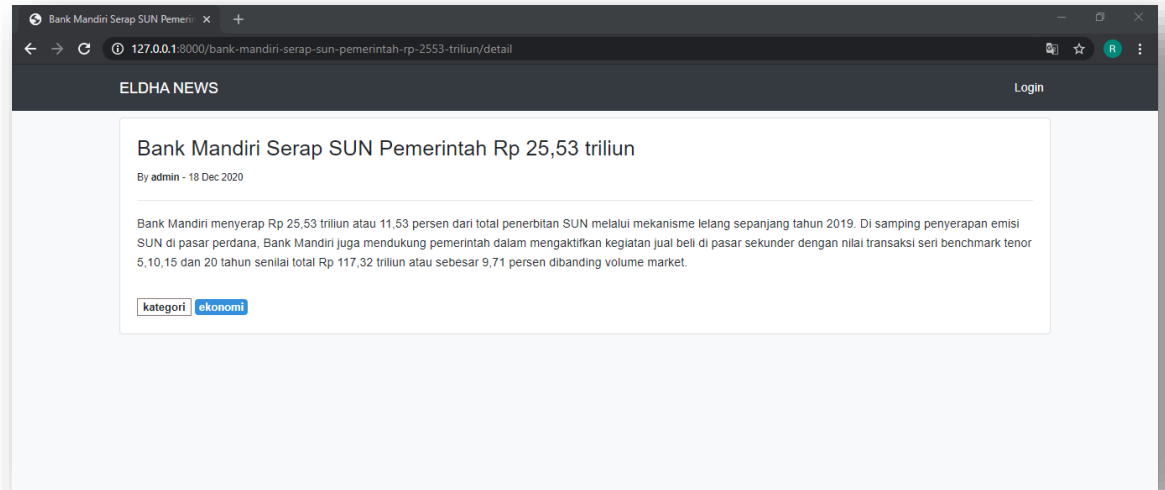
```
database > seeds > CategorySeeder.php
1  <?php
2
3  use App\Category;
4  use Illuminate\Database\Seeder;
5
6  class CategorySeeder extends Seeder
7  {
8      /**
9       * Run the database seeds.
10      *
11      * @return void
12      */
13     public function run()
14     {
15         echo "[-] Tambah kategori dalam proses . . . <br>";
16
17         // Menambahkan kategori baru
18         for ($i=1; $i <= 2; $i++) {
19             Category::create([
20                 'name' => 'kategori' . $i,
21             ]);
22         }
23
24         echo "[+] Tambah kategori sudah selesai . . . <br>";
25     }
26 }
27
```

6. HASIL

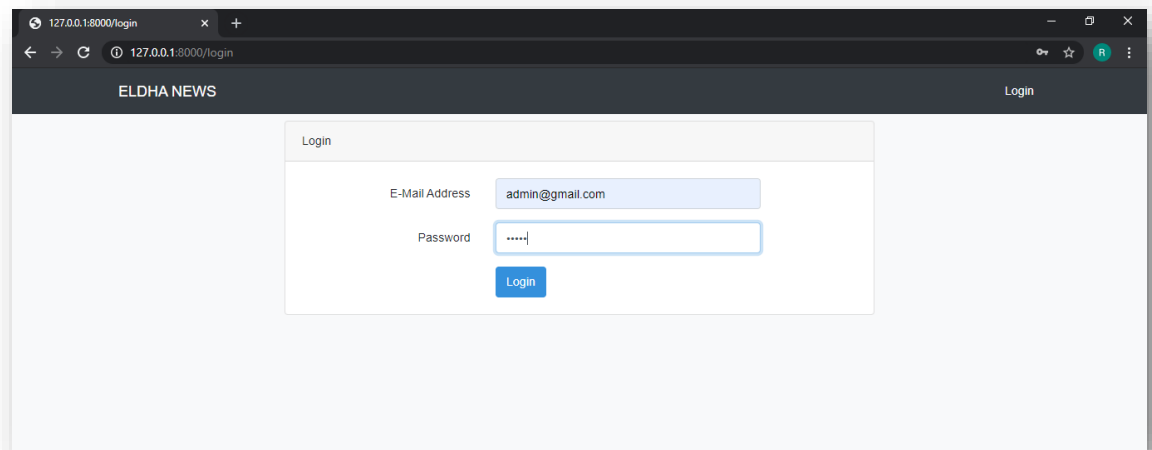
➤ Tampilan bagi pembaca dan daftar berita yang telah diupload



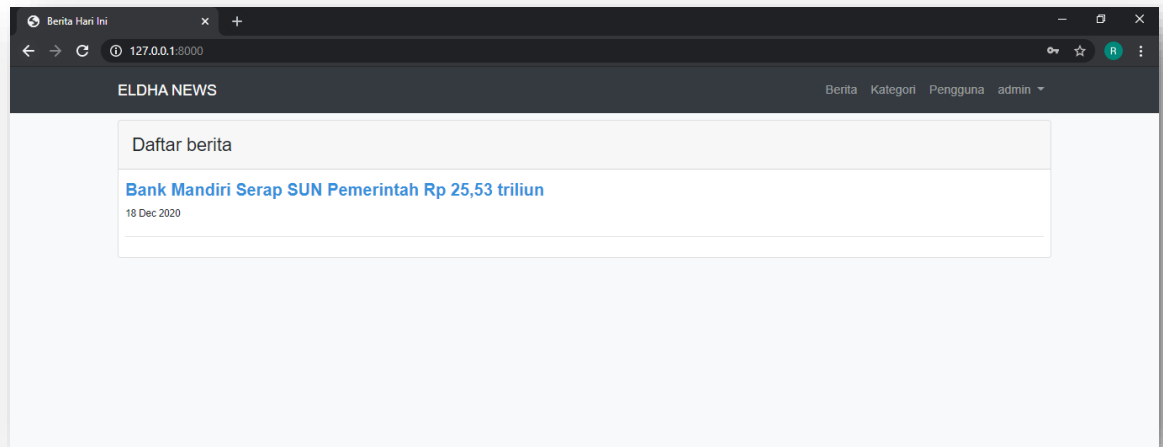
➤ Detail Berita yang dipilih pembaca



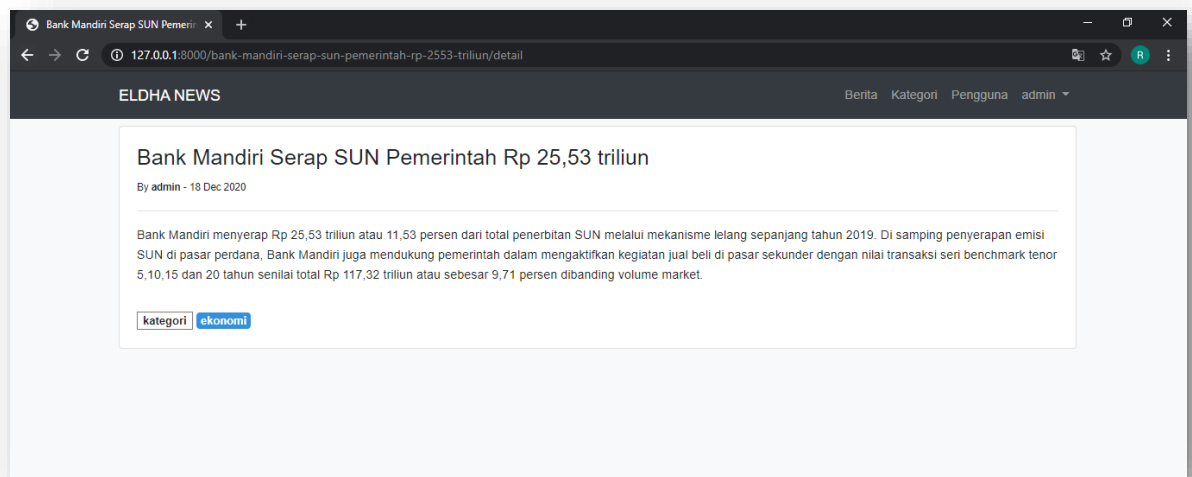
➤ Login untuk admin



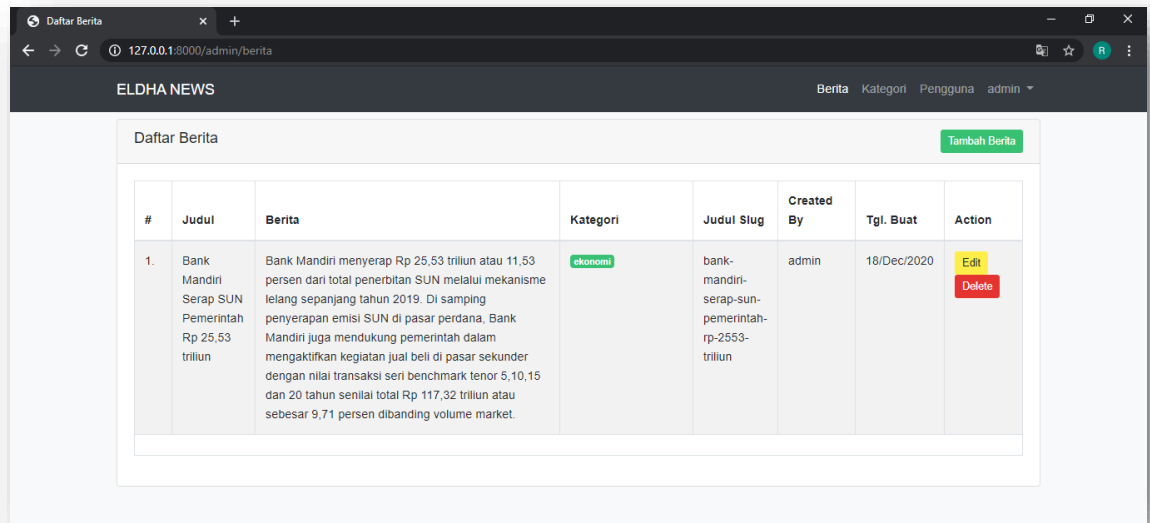
➤ Tampilan ketika admin telah login dan daftar berita



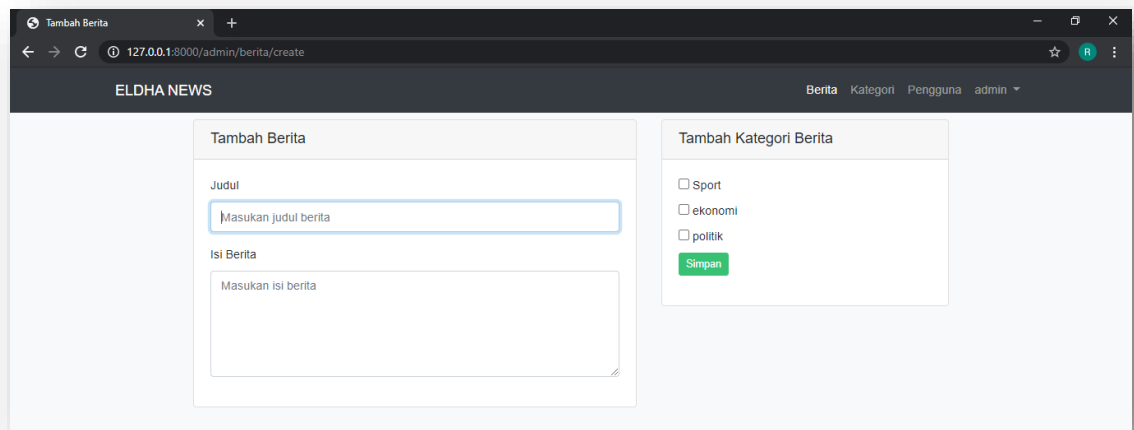
➤ Detail berita



➤ Tampilan Menu berita dan Delete berita



➤ Tambah berita



➤ Edit berita

ELDHA NEWS

Berita Kategori Pengguna admin

Edit Berita

Judul

Bank Mandiri Serap SUN Pemerintah Rp 25,53 triliun

Isi Berita

Bank Mandiri menyerap Rp 25,53 triliun atau 11,53 persen dari total penerbitan SUN melalui mekanisme lelang sepanjang tahun 2019. Di samping penyerapan emisi SUN di pasar perdana, Bank Mandiri juga mendukung pemerintah dalam mengaktifkan kegiatan jual beli di pasar sekunder dengan nilai transaksi seri benchmark tenor 5,10,15

Tambah Kategori Berita

☐ Sport

☒ ekonomi

☐ politik

Simpan

- **Tampilan menu kategori dan hapus kategori**

ELDHA NEWS

Berita **Kategori** Pengguna admin

Daftar Kategori

Tambah Kategori

#	Kategori	Action
1.	Sport	Edit Delete
2.	ekonomi	Edit Delete
3.	politik	Edit Delete

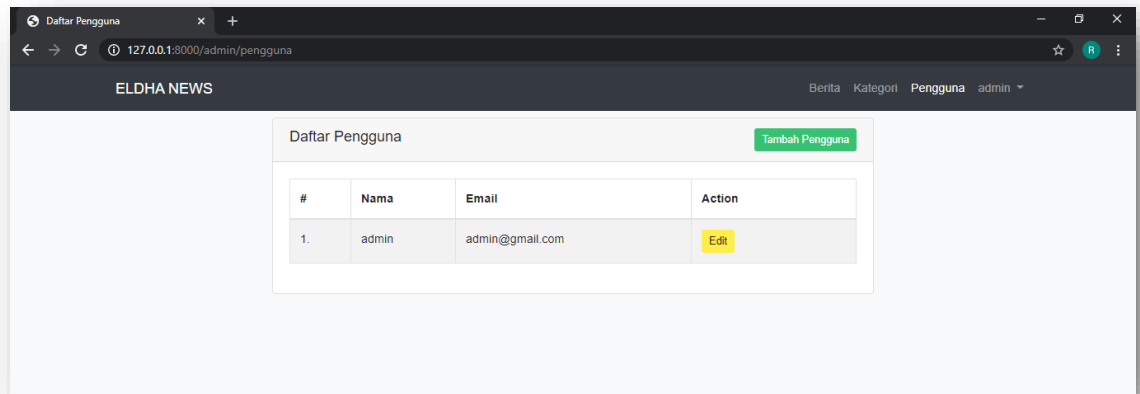
➤ Tambah kategori

The screenshot shows a web browser window with the title 'Tambah Kategori' and the URL '127.0.0.1:8000/admin/kategori/create'. The page header includes 'ELDHA NEWS' and navigation links for 'Berita', 'Kategori', 'Pengguna', and 'admin'. The main content area features a form titled 'Tambah Kategori' with a label 'Nama Kategori' and a text input field containing the placeholder text 'Masukan nama kategori'. Below the input field is a green 'Simpan' (Save) button.

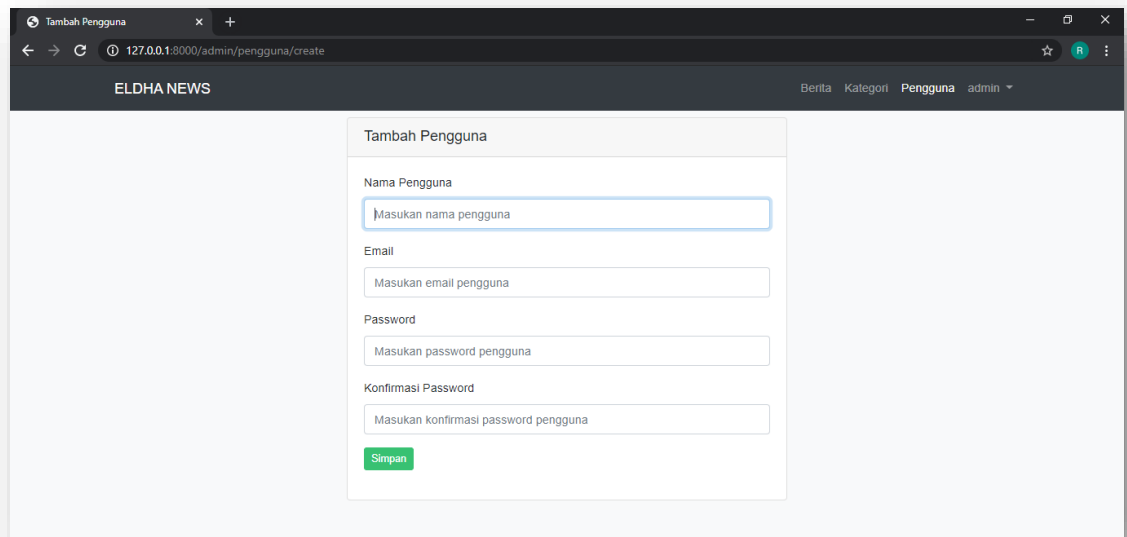
➤ Edit kategori

The screenshot shows a web browser window with the title 'Edit Kategori' and the URL '127.0.0.1:8000/admin/kategori/1/edit'. The page header includes 'ELDHA NEWS' and navigation links for 'Berita', 'Kategori', 'Pengguna', and 'admin'. The main content area features a form titled 'Edit Kategori' with a label 'Nama Kategori' and a text input field containing the value 'Sport'. Below the input field is a yellow 'Update' button.

➤ Tampilan Pengguna



➤ Tambah Pengguna



➤ Edit Pengguna

Edit Pengguna

Nama Pengguna

admin

Email

admin@gmail.com

Password

Masukan password pengguna

* Isi jika ingin mengganti password pengguna

Simpan

➤ Logout

Berita Hari Ini

ELDHA NEWS

Berita Kategori Pengguna admin

Daftar berita

[Bank Mandiri Serap SUN Pemerintah Rp 25,53 triliun](#)

18 Dec 2020

Logout