LAPORAN PRAKTIKUM

PEMROGRAMAN BERBASIS FRAMEWORK

Pertemuan Minggu-13

Modul 13 – Laravel dan ReactJS (CRUD 1)

"Backend Laravel dan Frontend ReactJS"
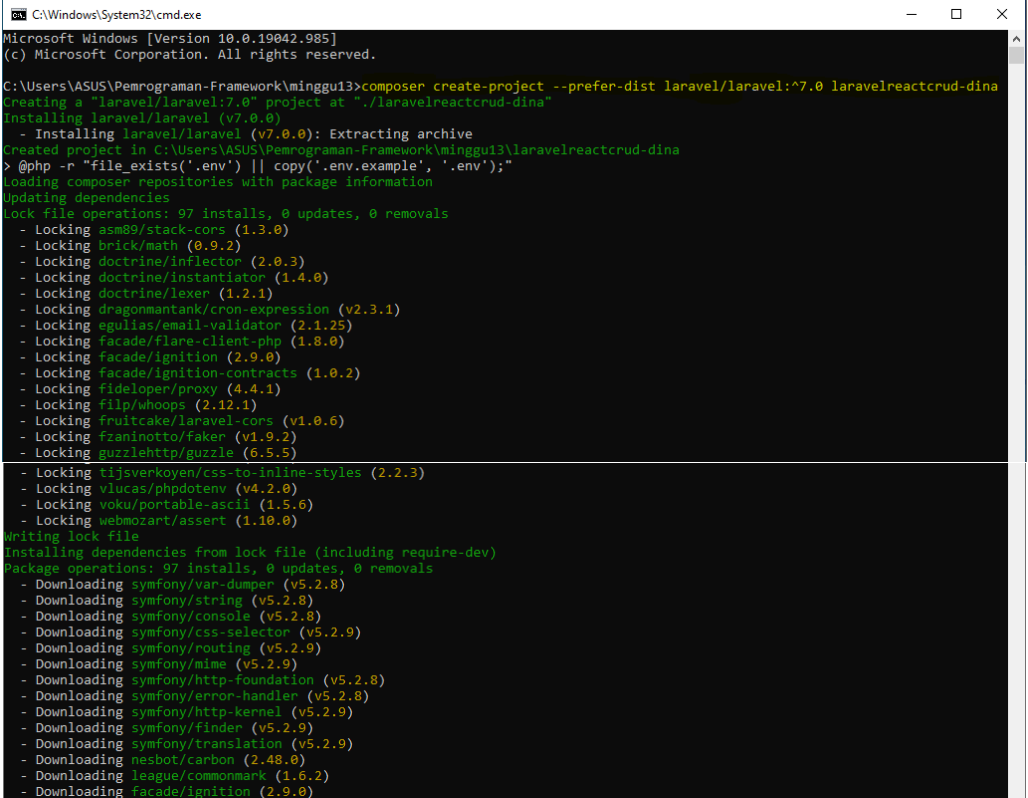

NAMA   : DINA RISKY ALIN SAPUTRI

NIM   : 1841720016

KELAS   : 3F

PROGRAM STUDI TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI
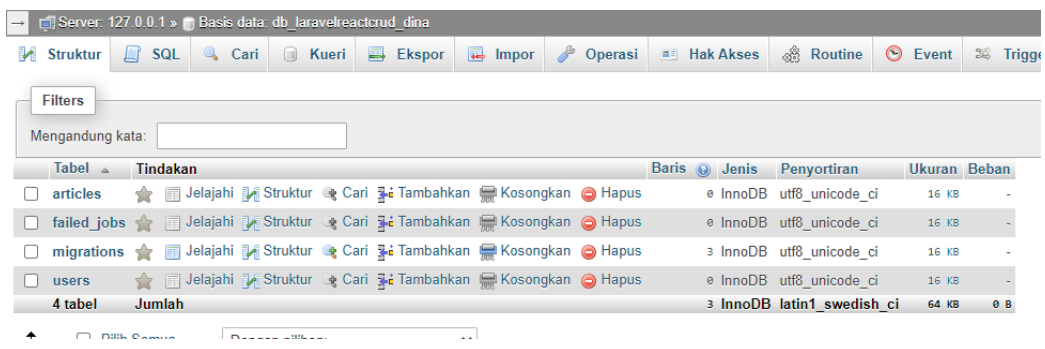
POLITEKNIK NEGERI MALANG

2021

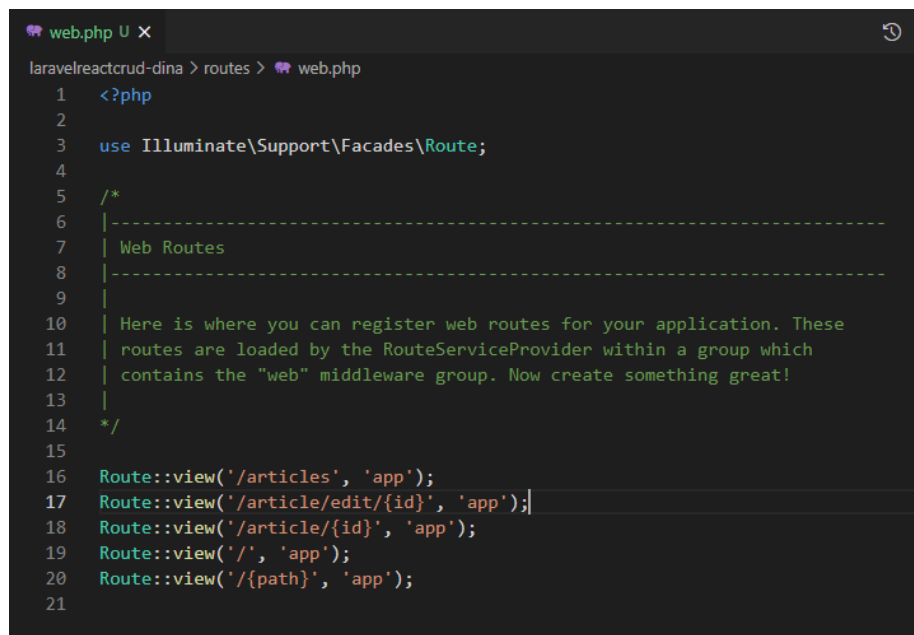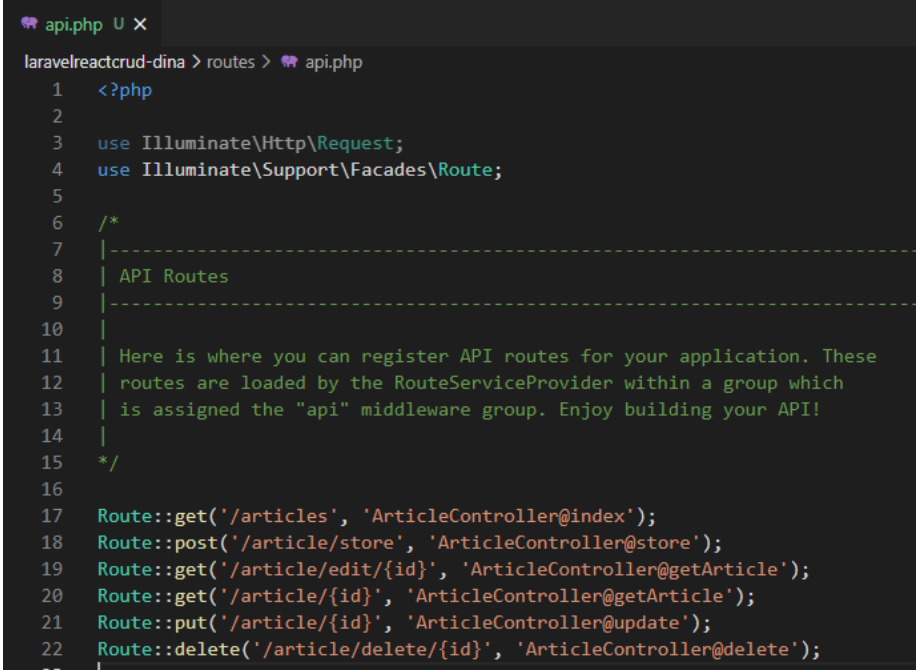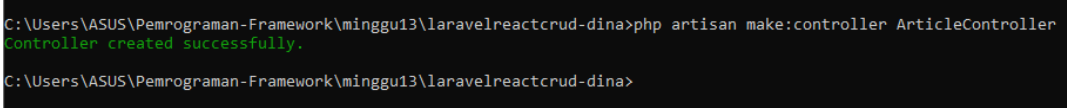## Praktikum Bagian 1 – Install Laravel 7

Langkah	Keterangan
1	Ketikkan syntax seperti dibawah ini untuk melakukn installasi Laravel 7. `composer create-project --prefer-dist laravel/laravel:^7.0 laravelreactcrud-dina`

| | ```
- Installing sebastian/comparator (3.0.3): Extracting archive
- Installing phpunit/php-timer (2.1.3): Extracting archive
- Installing phpunit/php-text-template (1.2.1): Extracting archive
- Installing phpunit/php-file-iterator (2.0.3): Extracting archive
- Installing theseer/tokenizer (1.2.0): Extracting archive
- Installing sebastian/code-unit-reverse-lookup (1.0.2): Extracting archive
- Installing phpunit/php-code-coverage (7.0.14): Extracting archive
- Installing doctrine/instantiator (1.4.0): Extracting archive
- Installing phpspec/prophecy (1.13.0): Extracting archive
- Installing phar-io/version (3.1.0): Extracting archive
- Installing phar-io/manifest (2.0.1): Extracting archive
- Installing myclabs/deep-copy (1.10.2): Extracting archive
- Installing phpunit/phpunit (8.5.15): Extracting archive
77 package suggestions were added by new dependencies, use `composer suggest` to see details.
Package fzaninotto/faker is abandoned, you should avoid using it. No replacement was suggested.
Package phpunit/php-token-stream is abandoned, you should avoid using it. No replacement was suggested.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
66 packages you are using are looking for funding.
Use the `composer fund` command to find out more!
> @php artisan key:generate --ansi
Application key set successfully.

C:\Users\ASUS\Pemrograman-Framework\minggu13>
``` |
| 2 | Silahkan buat database baru bernama **db_laravelreactcrud_dina**.

  |
| 3 | Kemudian buka file **.env** yang ada di direktori **laravelreactcrud-dina/.env**:

 Cari kode berikut ini di file **.env**:

 Dan ubah menjadi menjadi

  |

4	Masih di direktori project, ketik command berikut untuk membuat Model Article dan Migration-nya:
	
	`php artisan make:model Article –migration`
	
	``
	C:\Users\ASUS\Pemrograman-Framework\minggu13>cd C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina
	
	C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>php artisan make:model Article --migration
	Model created successfully.
	Created Migration: 2021_05_25_225007_create_articles_table
	
	C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>
	``

5	Sekarang buka file **Article.php** yang ada di dalam direktori **app/Article.php** dan modifikasi:
	
	``php
	<?php
	
	namespace App;
	
	use Illuminate\Database\Eloquent\Model;
	
	class Article extends Model
	{
	    protected $table = "articles";
	    protected $fillable = ['title', 'content'];
	}
	``

6	Kemudian, buka file *********create_articles_table.php** yang tersimpan di direktori **database/migrations** dan modifikasi seperti kode di bawah ini:

| | ```php
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

class CreateArticlesTable extends Migration
{
    /**
     * Run the migrations.
     *
     * @return void
     */
    public function up()
    {
        Schema::create('articles', function (Blueprint $table) {
            $table->bigIncrements('id');
            $table->string('title');
            $table->string('content');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     *
     * @return void
     */
    public function down()
    {
        Schema::dropIfExists('articles');
    }
``` |
| 7 | Kemudian jalankan command berikut ini agar table yang kita buat migrate ke database:<br><br>**php artisan migrate**<br><br>```
C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>php artisan migrate
Migration table created successfully.
Migrating: 2014_10_12_000000_create_users_table
Migrated:  2014_10_12_000000_create_users_table (0.41 seconds)
Migrating: 2019_08_19_000000_create_failed_jobs_table
Migrated:  2019_08_19_000000_create_failed_jobs_table (0.19 seconds)
Migrating: 2021_05_25_225007_create_articles_table
Migrated:  2021_05_25_225007_create_articles_table (0.28 seconds)

C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>
``` |
| 8 | Jika berhasil dengan baik, maka di database **db_laravelreactcrud_dina** akan muncul table seperti gambar di bawah ini: |

9	Buka file **routes/web.php** dan silahkan modifikasi:
10	Kemudian buka file **routes/api.php** dan modifikasi menjadi:

| | ```php
🐘 api.php  U  ✕
laravelreactcrud-dina > routes > 🐘 api.php
 1    <?php
 2
 3    use Illuminate\Http\Request;
 4    use Illuminate\Support\Facades\Route;
 5
 6    /*
 7    |--------------------------------------------------------------------------
 8    | API Routes
 9    |--------------------------------------------------------------------------
10    |
11    | Here is where you can register API routes for your application. These
12    | routes are loaded by the RouteServiceProvider within a group which
13    | is assigned the "api" middleware group. Enjoy building your API!
14    |
15    */
16
17    Route::get('/articles', 'ArticleController@index');
18    Route::post('/article/store', 'ArticleController@store');
19    Route::get('/article/edit/{id}', 'ArticleController@getArticle');
20    Route::get('/article/{id}', 'ArticleController@getArticle');
21    Route::put('/article/{id}', 'ArticleController@update');
22    Route::delete('/article/delete/{id}', 'ArticleController@delete');
``` |
| 11 | Ketik command di bawah ini untuk membuat controller baru bernama **ArticleController**<br><br>```php artisan make:controller ArticleController```<br><br>```
C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>php artisan make:controller ArticleController
Controller created successfully.

C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>
``` |
| 12 | Sekarang buka file **ArticleController.php** yang terdapat di **app/Http/Controllers.**

Kemudian ketik kode berikut ini: |

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;

class ArticleController extends Controller
{
    public function index()
    {
        $articles = \App\Article::all();

        return $articles->toJson();
    }

    public function store(Request $request)
    {
        $validatedData = $request->validate([
            'title' => 'required',
            'content' => 'required',
        ]);

        $project = \App\Article::create([
            'title' => $validatedData['title'],
            'content' => $validatedData['content'],
            'content' => $validatedData['content'],
        ]);

        $msg = [
            'success' => true,
            'message' => 'Article created successfully!'
        ];

        return response()->json($msg);
    }

    public function getArticle($id) // for edit and show
    {
        $article = \App\Article::find($id);

        return $article->toJson();
    }

    public function update(Request $request, $id)
    {
        $validatedData = $request->validate([
            'title' => 'required',
            'content' => 'required',
        ]);

        $article = \App\Article::find($id);
```

```
51              $article->title = $validatedData['title'];
52              $article->content = $validatedData['content'];
53              $article->save();
54
55              $msg = [
56                  'success' => true,
57                  'message' => 'Article updated successfully'
58              ];
59
60              return response()->json($msg);
61          }
62
63      public function delete($id)
64      {
65          $article = \App\Article::find($id);
66          if (!empty($article)) {
67              $article->delete();
68              $msg = [
69                  'success' => true,
70                  'message' => 'Article deleted successfully!'
71              ];
72              return response()->json($msg);
73          } else {
74              $msg = [
75                  'success' => false,
76                  'message' => 'Article deleted failed!'
77              ];
78              return response()->json($msg);
79          }
80      }
81  }
82
```

Jika Anda ingin menginstall package React Js, React Router Dom dan Sweat Alert, silahkan dimulai dari install package **laravel ui dan laravel ui react** berikut ini:

composer require laravel/ui "^2.0"

```
C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>composer require laravel/ui "^2.0"
./composer.json has been updated
Running composer update laravel/ui
Loading composer repositories with package information
Updating dependencies
Lock file operations: 1 install, 0 updates, 0 removals
  - Locking laravel/ui (v2.5.0)
Writing lock file
Installing dependencies from lock file (including require-dev)
Package operations: 1 install, 0 updates, 0 removals
  - Downloading laravel/ui (v2.5.0)
  - Installing laravel/ui (v2.5.0): Extracting archive
Package fzaninotto/faker is abandoned, you should avoid using it. No replacement was suggested.
Package phpunit/php-token-stream is abandoned, you should avoid using it. No replacement was suggested.
Generating optimized autoload files
> Illuminate\Foundation\ComposerScripts::postAutoloadDump
> @php artisan package:discover --ansi
Discovered Package: facade/ignition
Discovered Package: fideloper/proxy
Discovered Package: fruitcake/laravel-cors
Discovered Package: laravel/tinker
Discovered Package: laravel/ui
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
66 packages you are using are looking for funding.
Use the `composer fund` command to find out more!

C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>
```

Kemudian install react js:

php artisan ui react

```
C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>php artisan ui react
React scaffolding installed successfully.
Please run "npm install && npm run dev" to compile your fresh scaffolding.
```

Lalu install NodeJsnya:

npm install && npm run dev

```
C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>npm install && npm run dev
npm WARN deprecated axios@0.19.2: Critical security vulnerability fixed in v0.21.1. For more information, see http
s://github.com/axios/axios/pull/3410
npm WARN deprecated popper.js@1.16.1: You can find the new Popper v2 at @popperjs/core, this package is dedicated
to the legacy v1
npm WARN deprecated chokidar@2.1.8: Chokidar 2 will break on node v14+. Upgrade to chokidar 3 with 15x less depend
encies.
npm WARN deprecated fsevents@1.2.13: fsevents 1 will break on node v14+ and could be using insecure binaries. Upgr
ade to fsevents 2.
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@^1.2.7 (node_modules\chokidar\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arc
h":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@~2.3.1 (node_modules\watchpack\node_modules\chokidar\node
_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch
":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@~2.3.1 (node_modules\sass\node_modules\chokidar\node_modu
les\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch
":"any"} (current: {"os":"win32","arch":"x64"})

added 1129 packages from 500 contributors and audited 1133 packages in 127.582s

59 packages are looking for funding
```

```
98% after emitting SizeLimitsPlugin
DONE  Compiled successfully in 12547ms                                                        6:38:55 AM

       Asset      Size  Chunks                    Chunk Names
/css/app.css   179 KiB  /js/app  [emitted]  /js/app
 /js/app.js     2 MiB  /js/app  [emitted]  /js/app
Installing shortcut: "C:\\Users\\ASUS\\AppData\\Roaming\\Microsoft\\Windows\\Start Menu\\Programs\\SnoreToast\\0.7
.0\\SnoreToast.lnk" "C:\\Users\\ASUS\\Pemrograman-Framework\\minggu13\\laravelreactcrud-dina\\node_modules\\node-n
otifier\\vendor\\snoreToast\\snoretoast-x64.exe" Snore.DesktopToasts.0.7.0

C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>
```

Kemudian install react router dom nya:

npm install react-router-dom

```
C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>npm install react-router-dom
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arc
h":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\sass\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch
":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\watchpack\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch
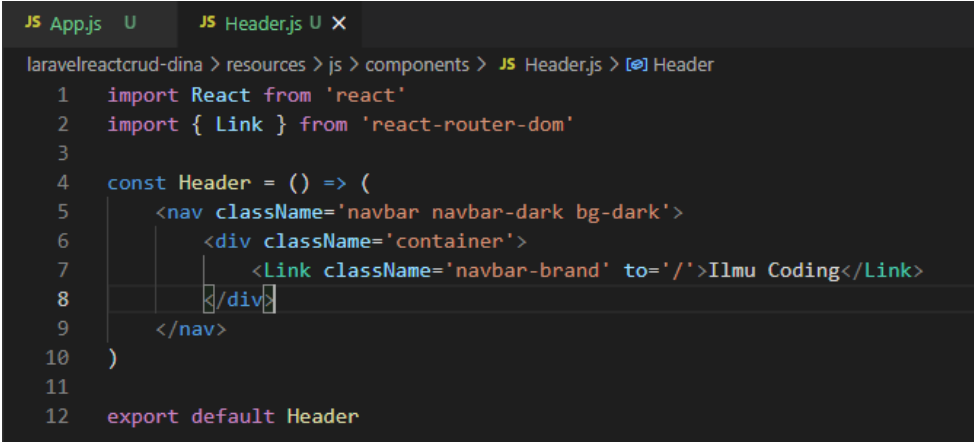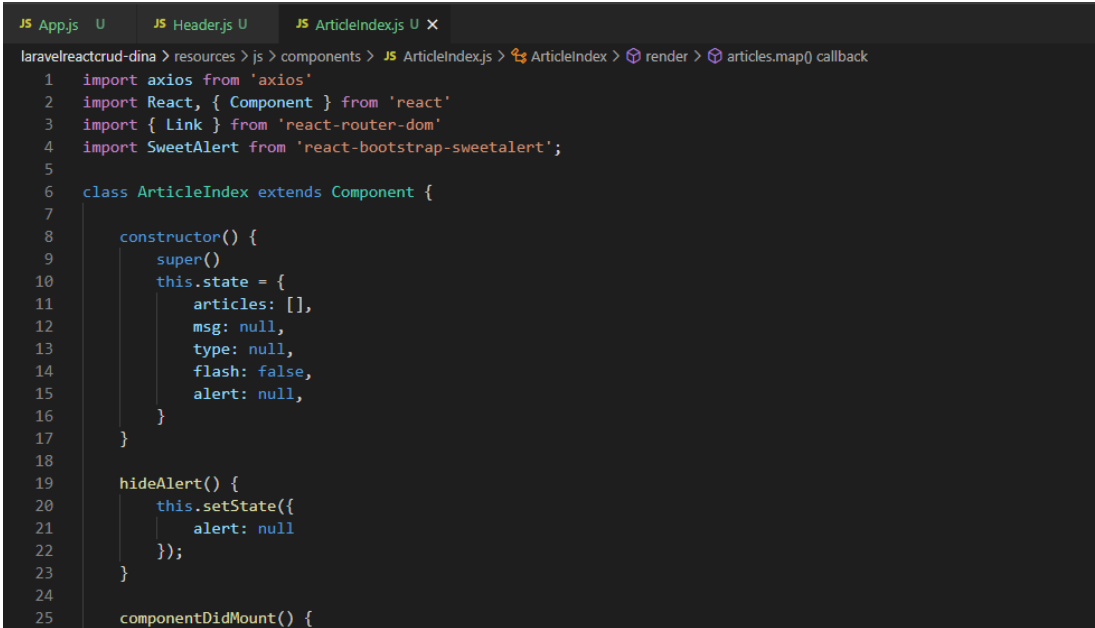":"any"} (current: {"os":"win32","arch":"x64"})

+ react-router-dom@5.2.0
added 11 packages from 6 contributors and audited 1144 packages in 22.026s

59 packages are looking for funding
  run `npm fund` for details

found 38 vulnerabilities (36 moderate, 2 high)
  run `npm audit fix` to fix them, or `npm audit` for details

C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>
```

	dan terakhir sweat alertnya:
	
	`npm i react-bootstrap-sweetalert`
	
	``
	C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>npm i react-bootstrap-sweetalert
	npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\fsevents):
	npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arc
	h":"any"} (current: {"os":"win32","arch":"x64"})
	npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\watchpack\node_modules\fsevents):
	npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch
	":"any"} (current: {"os":"win32","arch":"x64"})
	npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.3.2 (node_modules\sass\node_modules\fsevents):
	npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.3.2: wanted {"os":"darwin","arch
	":"any"} (current: {"os":"win32","arch":"x64"})
	
	+ react-bootstrap-sweetalert@5.2.0
	added 1 package from 1 contributor and audited 1145 packages in 59.993s
	
	59 packages are looking for funding
	  run `npm fund` for details
	
	found 38 vulnerabilities (36 moderate, 2 high)
	  run `npm audit fix` to fix them, or `npm audit` for details
	
	C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>
	``

14	Buat file baru bernama **App.js** dan simpan di direktori **resources/js/components.**
	
	Ketik kode berikut ini:
	
	``js
	JS App.js U ✕
	laravelreactcrud-dina > resources > js > components > JS App.js > ...
	1 import React, { Component } from 'react'
	2 import ReactDOM from 'react-dom'
	3 import { BrowserRouter, Route, Switch } from 'react-router-dom'
	4 import Header from './Header'
	5 import ArticleIndex from './ArticleIndex'
	6 import ArticleCreate from './ArticleCreate'
	7 import ArticleShow from './ArticleShow'
	8 import ArticleEdit from './ArticleEdit'
	9
	10 class App extends Component {
	11 render() {
	12 return (
	13 <BrowserRouter>
	14
	15 <Header />
	16 <Switch>
	17 <Route exact path='/' component={ArticleIndex} />
	18 <Route exact path='/create' component={ArticleCreate} />
	19 <Route path='/article/edit/:id' component={ArticleEdit} />
	20 <Route path='/article/:id' component={ArticleShow} />
	21 </Switch>
	22
	23 </BrowserRouter>
	24)
	25 }
	26 }
	27
	28 ReactDOM.render(<App />, document.getElementById('app'))
	``

15	Buat lagi file baru bernama **Header.js** dan simpan di direktori **resources/js/ components.**

```
JS App.js  U          JS Header.js U ✕

laravelreactcrud-dina > resources > js > components > JS Header.js > [∅] Header
    1    import React from 'react'
    2    import { Link } from 'react-router-dom'
    3
    4    const Header = () => (
    5        <nav className='navbar navbar-dark bg-dark'>
    6            <div className='container'>
    7                <Link className='navbar-brand' to='/'>Ilmu Coding</Link>
    8            </div>
    9        </nav>
   10    )
   11
   12    export default Header
```

Buat lagi file baru bernama **ArticleIndex.js** dan simpan di direktori **resourses/js/components.**

Ketik kode berikut ini:

```
JS App.js  U      JS Header.js U      JS ArticleIndex.js U ✕

laravelreactcrud-dina > resources > js > components > JS ArticleIndex.js > ✦ ArticleIndex > ⊕ render > ⊕ articles.map() callback
    1    import axios from 'axios'
    2    import React, { Component } from 'react'
    3    import { Link } from 'react-router-dom'
    4    import SweetAlert from 'react-bootstrap-sweetalert';
    5
    6    class ArticleIndex extends Component {
    7
    8        constructor() {
    9            super()
   10            this.state = {
   11                articles: [],
   12                msg: null,
   13                type: null,
   14                flash: false,
   15                alert: null,
   16            }
   17        }
   18
   19        hideAlert() {
   20            this.setState({
   21                alert: null
   22            });
   23        }
   24
   25        componentDidMount() {
```

```jsx
26              axios.get('/api/articles').then(response => {
27                  this.setState({
28                      articles: response.data
29                  })
30              })
31          }
32
33          confirmDelete(id) {
34              const getAlert = () => (
35                  <SweetAlert
36                      warning
37                      showCancel
38                      confirmBtnText="Hapus Deh"
39                      cancelBtnText="Nggak Jadi"
40                      confirmBtnBsStyle="default"
41                      cancelBtnBsStyle="danger"
42                      title="Tunggu ..."
43                      onConfirm={() => this.deleteItem(id)}
44                      onCancel={() => this.hideAlert()}
45                      focusCancelBtn
46                  >
47                      Kalau udah dihapus, nggak bakal balik lagi.
48                  </SweetAlert>
49              );
50              this.setState({
51                  alert: getAlert()
52              });
53          }
54
55          deleteItem(id) {
56              axios.delete(`/api/article/delete/${id}`).then(response => {
57                  var msg = response.data.success;
58                  if (msg == true) {
59                      this.hideAlert();
60                      this.goToHome();
61                  }
62              })
63          }
64
65          goToHome() {
66              const getAlert = () => (
67                  <SweetAlert
68                      success
69                      title="Success!"
70                      onConfirm={() => this.onSuccess()}
71                      onCancel={this.hideAlert()}
72                      timeout={2000}
73                      confirmBtnText="Oke Siap"
74                  >
75                      Deleted article successfully
76                  </SweetAlert>
77              );
78              this.setState({
79                  alert: getAlert()
80              });
81          }
82
83          onSuccess() {
84              this.componentDidMount();
85              this.hideAlert();
86          }
87
88          render() {
89              const { articles } = this.state
90              return (
91                  <div className='container py-4'>
92                      <div className='row justify-content-center'>
93                          <div className='col-md-8'>
94                              <div className='card'>
95                                  <div className='card-header'>All Article</div>
96                                  <div className='card-body'>
97                                      <Link className='btn btn-primary btn-sm mb-3' to='/create'>
98                                          Create new article
99                                      </Link>
100                                     <div className="table-responsive">
```

```
101    <table className="table table-bordered table-hover">
102        <thead>
103            <tr>
104                <th width="50" className="text-center">No</th>
105                <th>Title</th>
106                <th width="200" className="text-center">Action</th>
107            </tr>
108        </thead>
109        <tbody>
110            {articles.map((article, i) => (
111                <tr key={i}>
112                    <td width="50" className="text-center">{i + 1}</td>
113                    <td>{article.title}</td>
114                    <td width="200" className="text-center">
115                        <div className="btn-group">
116                            <Link
117                                className='btn btn-primary'
118                                to={`/article/${article.id}`}
119                            >Detail
120                            </Link>

122                            <Link
123                                className='btn btn-success'
124                                to={`/article/edit/${article.id}`}
125                            >Edit
126                            </Link>

128                            <button
129                                className='btn btn-danger'
130                                onClick={() => this.confirmDelete(article.id)}
131                            >Delete
132                            </button>
133                        </div>
134                    </td>
135                </tr>
136            ))}
137        </tbody>
138    </table>
139    {this.state.alert}
140                </div>
141            </div>
142        </div>
143    </div>
144    </div>
145    </div>
146    )
147    }
148    }
149
150    export default ArticleIndex
```

| 17 | Buat lagi file baru bernama **ArticleCreate.js** dan simpan di direktori **resourses/js/components.** |
| | Ketik kode berikut ini: |

```javascript
 1  import axios from 'axios'
 2  import React, { Component } from 'react'
 3  import { Link } from 'react-router-dom'
 4  import SweetAlert from 'react-bootstrap-sweetalert';
 5
 6  class ArticleCreate extends Component {
 7
 8      constructor(props) {
 9          super(props)
10          this.state = {
11              title: '',
12              content: '',
13              alert: null,
14              errors: []
15          }
16          this.handleFieldChange = this.handleFieldChange.bind(this)
17          this.handleCreateNewArticle = this.handleCreateNewArticle.bind(this)
18          this.hasErrorFor = this.hasErrorFor.bind(this)
19          this.renderErrorFor = this.renderErrorFor.bind(this)
20      }
21
22      handleFieldChange(event) {
23          this.setState({
24              [event.target.name]: event.target.value
25          })
26      }
27
28      goToHome() {
29          const getAlert = () => (
30              <SweetAlert
31                  success
32                  title="Success!"
33                  onConfirm={() => this.onSuccess()}
34                  onCancel={this.hideAlert()}
35                  timeout={2000}
36                  confirmBtnText="Oke Siap"
37              >
38                  Created article successfully
39              </SweetAlert>
40          );
41          this.setState({
42              alert: getAlert()
43          });
44      }
45
46      onSuccess() {
47          this.props.history.push('/');
48      }
49
50      hideAlert() {
51          this.setState({
52              alert: null
53          });
54      }
55
56      handleCreateNewArticle(event) {
57          event.preventDefault()
58          const article = {
59              title: this.state.title,
60              content: this.state.content
61          }
62          axios.post('/api/article/store', article).then(response => {
63              var msg = response.data.success;
64              if (msg == true) {
65                  return this.goToHome();
66              }
67          })
68      }
69
70      hasErrorFor(field) {
71          return !!this.state.errors[field]
72      }
73
74      renderErrorFor(field) {
75          if (this.hasErrorFor(field)) {
76              return (
77                  <span className='invalid-feedback'>
78                      <strong>{this.state.errors[field][0]}</strong>
79                  </span>
80              )
```

```
 81              }
 82          }
 83
 84      render() {
 85          return (
 86              <div className='container py-4'>
 87                  <div className='row justify-content-center'>
 88                      <div className='col-md-6'>
 89                          <div className='card'>
 90                              <div className='card-header'>Create new project</div>
 91                              <div className='card-body'>
 92                                  <form onSubmit={this.handleCreateNewArticle}>
 93                                      <div className='form-group'>
 94                                          <label htmlFor='title'>Title</label>
 95                                          <input
 96                                              id='title'
 97                                              type='text'
 98                                              className={`form-control ${this.hasErrorFor('title') ? 'is-invalid' : ''}`}
 99                                              name='title'
100                                              value={this.state.title}
101                                              onChange={this.handleFieldChange}
102                                          />
103                                          {this.renderErrorFor('title')}
104                                      </div>
105                                      <div className='form-group'>
106                                          <label htmlFor='content'>Project content</label>
107                                          <textarea
108                                              id='content'
109                                              className={`form-control ${this.hasErrorFor('content') ? 'is-invalid' : ''}`}
110                                              name='content'
111                                              rows='10'
112                                              value={this.state.content}
113                                              onChange={this.handleFieldChange}
114                                          />
115                                          {this.renderErrorFor('content')}
116                                      </div>
117                                      <Link
118                                          className='btn btn-secondary'
119                                          to={`/`}
120                                      >Back
121                                      </Link>
122                                      <button className='btn btn-primary'>Create</button>
123                                      {this.state.alert}
124                                  </form>
125                              </div>
126                          </div>
127                      </div>
128                  </div>
129              </div>
130          )
131      }
132  }
133  export default ArticleCreate
```

18	Buat lagi file baru bernama **ArticleEdit.js** dan simpan di direktori **resourses/js/components.** Ketik kode berikut ini:

```js
1    import axios from 'axios'
2    import React, { Component } from 'react'
3    import { Link } from 'react-router-dom'
4    import SweetAlert from 'react-bootstrap-sweetalert';
5
6    class ArticleEdit extends Component {
7        constructor(props) {
8            super(props)
9            this.state = {
10               title: '',
11               content: '',
12               alert: null,
13               message: '',
14               errors: []
15           }
16           this.handleFieldChange = this.handleFieldChange.bind(this)
17           this.handleUpdateArticle = this.handleUpdateArticle.bind(this)
18           this.hasErrorFor = this.hasErrorFor.bind(this)
19           this.renderErrorFor = this.renderErrorFor.bind(this)
20       }
21
22       handleFieldChange(event) {
23           this.setState({
24               [event.target.name]: event.target.value
25           })
26       }
27
28       componentDidMount() {
29
30           const articleId = this.props.match.params.id
31
32           axios.get(`/api/article/edit/${articleId}`).then(response => {
33               this.setState({
34                   title: response.data.title,
35                   content: response.data.content,
36               })
37           })
38       }
39
40       goToHome() {
41           const getAlert = () => (
42               <SweetAlert
43                   success
44                   title="Success!"
45                   onConfirm={() => this.onSuccess()}
46                   onCancel={this.hideAlert()}
47                   timeout={2000}
48                   confirmBtnText="Oke Siap"
49               >
50                   {this.state.message}
51               </SweetAlert>
52           );
53           this.setState({
54               alert: getAlert()
55           });
56       }
57
58       onSuccess() {
59           this.props.history.push('/');
60       }
61
62       hideAlert() {
63           this.setState({
64               alert: null
65           });
66       }
67
68       handleUpdateArticle(event) {
69           event.preventDefault()
70
71           const article = {
72               title: this.state.title,
73               content: this.state.content
74           }
75
76           const articleId = this.props.match.params.id
77
78           axios.put(`/api/article/${articleId}`, article)
79               .then(response => {
80                   // redirect to the homepage
```

```
81              var msg = response.data.success;
82              if (msg == true) {
83                  this.setState({
84                      message: response.data.message
85                  })
86                  return this.goToHome();
87              }
88
89          });
90      }
91
92      hasErrorFor(field) {
93          return !!this.state.errors[field]
94      }
95
96      renderErrorFor(field) {
97          if (this.hasErrorFor(field)) {
98              return (
99                  <span className='invalid-feedback'>
100                      <strong>{this.state.errors[field][0]}</strong>
101                  </span>
102              )
103          }
104      }
105
106      render() {
107          const { article } = this.state
108          return (
109              <div className='container py-4'>
110                  <div className='row justify-content-center'>
111                      <div className='col-md-6'>
112                          <div className='card'>
113                              <div className='card-header'>Create new project</div>
114                              <div className='card-body'>
115                                  <form onSubmit={this.handleUpdateArticle}>
116                                      <div className='form-group'>
117                                          <label htmlFor='title'>Title</label>
118                                          <input
119                                              id='title'
120                                              type='text'
121                                              className={`form-control ${this.hasErrorFor('title') ? 'is-invalid' : ''}`}
122                                              name='title'
123                                              value={this.state.title}
124                                              onChange={this.handleFieldChange}
125                                          />
126                                          {this.renderErrorFor('title')}
127                                      </div>
128                                      <div className='form-group'>
129                                          <label htmlFor='content'>Project content</label>
130                                          <textarea
131                                              id='content'
132                                              className={`form-control ${this.hasErrorFor('content') ? 'is-invalid' : ''}`}
133                                              name='content'
134                                              rows='10'
135                                              value={this.state.content}
136                                              onChange={this.handleFieldChange}
137                                          />
138                                          {this.renderErrorFor('content')}
139                                      </div>
140                                      <Link
141                                          className='btn btn-secondary'
142                                          to={`/`}
143                                      >Back
144                                      </Link>
145                                      <button className='btn btn-primary'>Update</button>
146                                      {this.state.alert}
147                                  </form>
148                              </div>
149                          </div>
150                      </div>
151                  </div>
152              </div>
153          )
154      }
155  }
156  export default ArticleEdit
```

| 19 | Buat lagi file baru bernama **ArticleShow.js** dan simpan di direktori **resources/js/components.** |

Ketik kode berikut ini:

```javascript
import axios from 'axios'
import React, { Component } from 'react'
import { Link } from 'react-router-dom'

class ArticleShow extends Component {
    constructor(props) {
        super(props)
        this.state = {
            article: {}
        }
    }

    componentDidMount() {

        const articleId = this.props.match.params.id

        axios.get(`/api/article/${articleId}`).then(response => {
            this.setState({
                article: response.data
            })
        })
    }

    render() {
        const { article } = this.state

        return (
            <div className='container py-4'>
                <div className='row justify-content-center'>
                    <div className='col-md-8'>
                        <div className='card'>
                            <div className='card-header'>Judul Artikel: {article.title}</div>
                            <div className='card-body'>
                                <p>{article.content}</p>
                                <Link
                                    className='btn btn-primary'
                                    to={`/`}
                                >Back
                                </Link>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        )
    }
}

export default ArticleShow
```

20	Buat file baru bernama **app.blade.php** dan simpan di direktori **resource/views.** Sekarang ketik kode berikut:

```
app.blade.php U ✕

laravelreactcrud-dina > resources > views > app.blade.php > html
   1   <!DOCTYPE html>
   2   <html lang="{{ app()->getLocale() }}">
   3
   4   <head>
   5       <meta charset="utf-8">
   6       <meta http-equiv="X-UA-Compatible" content="IE=edge">
   7       <meta name="viewport" content="width=device-width, initial-scale=1">
   8
   9       <!-- CSRF Token -->
  10       <meta name="csrf-token" content="{{ csrf_token() }}">
  11
  12       <title>React Laravel</title>
  13
  14       <!-- Styles -->
  15       <link href="{{ asset('css/app.css') }}" rel="stylesheet">
  16   </head>
  17
  18   <body>
  19       <div id="app"></div>
  20
  21       <script src="{{ asset('js/app.js') }}"></script>
  22   </body>
  23
  24   </html>
```

Silahkan buka file **resources/js/app.js** kemudian cari kode berikut:

require('./components/Example');

```
JS app.js   U ✕

laravelreactcrud-dina > resources > js > JS app.js
   1   /**
   2    * First we will load all of this project's JavaScript dependencies which
   3    * includes React and other helpers. It's a great starting point while
   4    * building robust, powerful web applications using React + Laravel.
   5    */
   6
   7   require('./bootstrap');
   8
   9   /**
  10    * Next, we will create a fresh React component instance and attach it to
  11    * the page. Then, you may begin adding components to this application
  12    * or customize the JavaScript scaffolding to fit your unique needs.
  13    */
  14
  15   require('./components/Example');
  16
```

Ubah menjadi kode berikut:

```
require('./components/App');
```

```
JS app.js   U ×

laravelreactcrud-dina > resources > js > JS app.js
  1    /**
  2     * First we will load all of this project's JavaScript dependencies which
  3     * includes React and other helpers. It's a great starting point while
  4     * building robust, powerful web applications using React + Laravel.
  5     */
  6
  7    require('./bootstrap');
  8
  9    /**
 10     * Next, we will create a fresh React component instance and attach it to
 11     * the page. Then, you may begin adding components to this application
 12     * or customize the JavaScript scaffolding to fit your unique needs.
 13     */
 14
 15    require('./components/App');
 16    |
```

Fungsinya agar antara file **resourses/js/app. js** dan **resourses/js/components/App. js** terhubung.

Ketik command berikut untuk menginstall perubahan yang terjadi:

```
npm run dev
```

```
C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina>npm run dev

> @ dev C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina
> npm run development


> @ development C:\Users\ASUS\Pemrograman-Framework\minggu13\laravelreactcrud-dina
> cross-env NODE_ENV=development node_modules/webpack/bin/webpack.js --progress --hide-modules --config=node_module
s/laravel-mix/setup/webpack.config.js

12% building 19/21 modules 2 active ...laravelreactcrud-dina\node_modules\react-router-dom\esm\react-router-dom.jsD
EPRECATION WARNING: Using / for division is deprecated and will be removed in Dart Sass 2.0.0.

Recommendation: math.div($spacer, 2)

More info and automated migrator: https://sass-lang.com/d/slash-div

302  │  $headings-margin-bottom:      $spacer / 2 !default;
     |                                ^^^^^^^^^^^

   node_modules\bootstrap\scss\_variables.scss 302:31  @import
   node_modules\bootstrap\scss\bootstrap.scss 9:9       @import
   stdin 8:9                                            root stylesheet

DEPRECATION WARNING: Using / for division is deprecated and will be removed in Dart Sass 2.0.0.


WARNING: 64 repetitive deprecation warnings omitted.

98% after emitting SizeLimitsPlugin

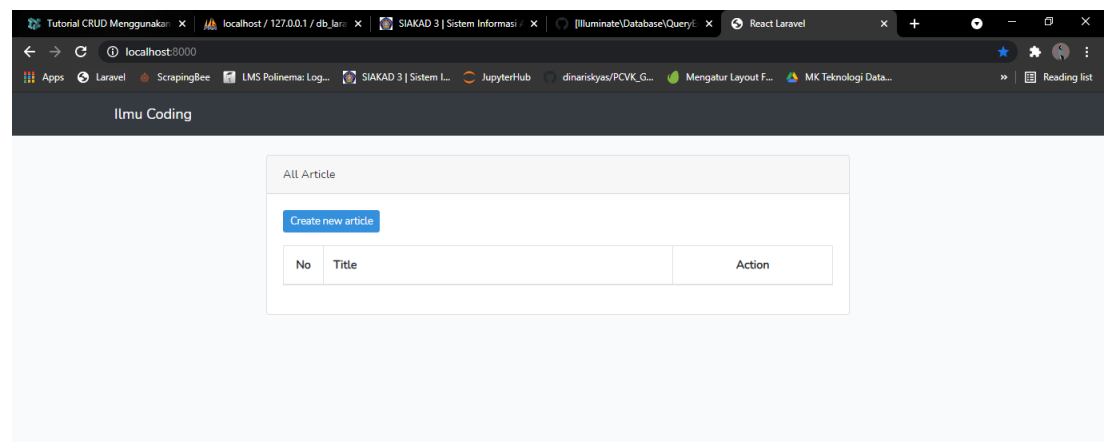 DONE   Compiled successfully in 23114ms                                                        7:18:24 AM

      Asset     Size   Chunks              Chunk Names
/css/app.css   179 KiB  /js/app  [emitted]  /js/app
 /js/app.js   2.26 MiB  /js/app  [emitted]  /js/app
```

	Kemudian ketik command berikut: **php artisan serve**
	Ketikkan URL Halaman Index **localhost:8000** maka project akan running dan hasilnya:
23	Tampilan untuk melakukan aksi Create New Article

Tampilan aksi setelah melakukan Create New Article

Tampilan untuk melakukan aksi Edit

Tampilan untuk melihat aksi Detail

Tampilan aksi setelah melakukan Edit

Tampilan aksi setelah melakukan Delete

Link Github:

https://github.com/dinariskyas/PemrogramanFramework2021/tree/master/minggu13

Link Youtube :

https://youtu.be/FTsx19ky9og