

LAPORAN PRAKTIKUM
PEMROGRAMAN BERBASIS FRAMEWORK

Pertemuan Minggu-12
Modul 12 – Instalasi Laravel

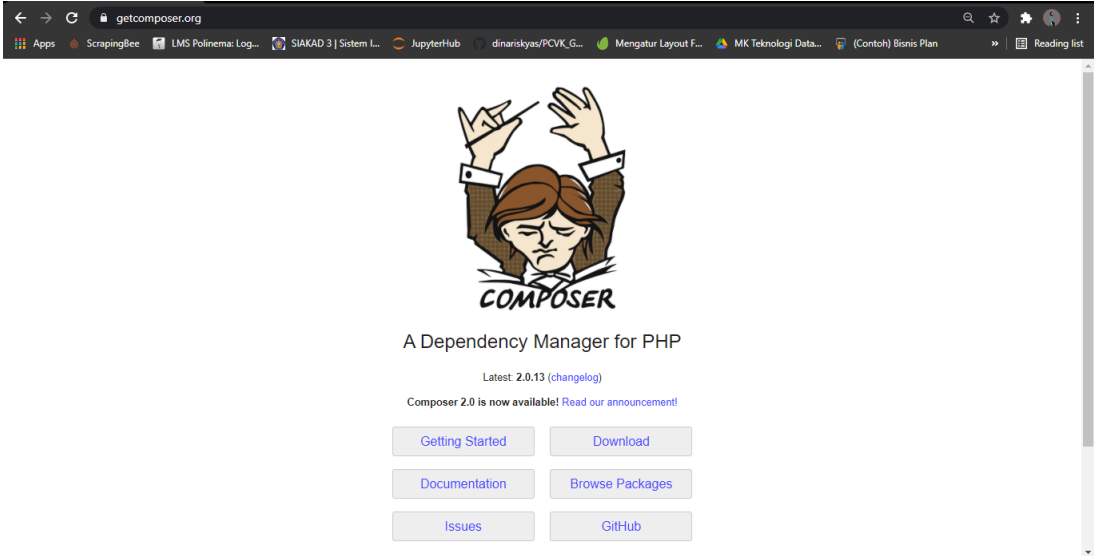
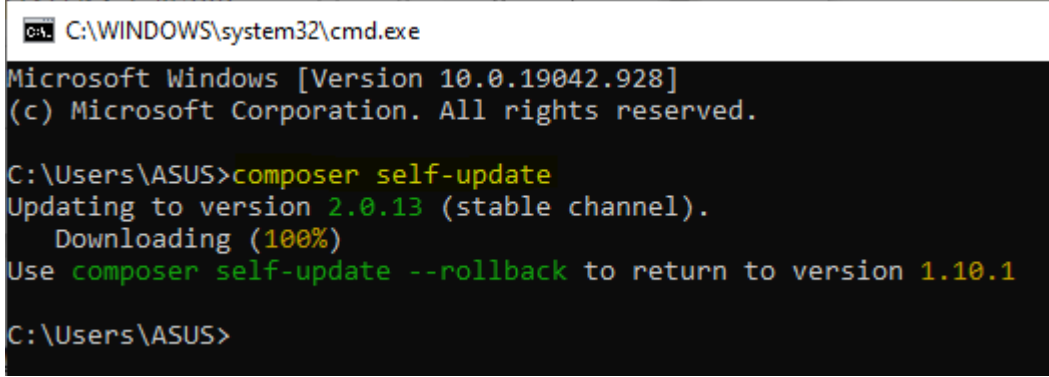


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PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG

2021

Praktikum Bagian 1 - Melakukan instalasi laravel

Langkah	Keterangan
1	<p>Laravel menggunakan Composer untuk mengelola dependensinya. Jadi, sebelum menggunakan Laravel, pastikan Composer telah terinstall terlebih dahulu. Composer adalah dependensi manajer untuk library PHP. Composer digunakan untuk menginstal, menghapus, dan memperbarui paket PHP. Unduh composer melalui https://getcomposer.org/, pilih Download untuk memulai proses unduh.</p> 
2	<p>Jika sudah terinstall composer maka lakukan update pada composer</p> 
3	<p>Kemudian lakukan cek apakah composer sudah terinstall atau belum.</p>

	 <pre> C:\Users\ASUS>composer Composer Composer version 2.0.13 2021-04-27 13:11:08 Usage: command [options] [arguments] Options: -h, --help Display this help message -q, --quiet Do not output any message -V, --version Display this application version --ansi Force ANSI output --no-ansi Disable ANSI output -n, --no-interaction Do not ask any interactive question --profile Display timing and memory usage information --no-plugins Whether to disable plugins. -d, --working-dir=WORKING-DIR If specified, use the given directory as working directory. --no-cache Prevent use of the cache -v vv vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug Available commands: about Shows the short information about Composer. archive Creates an archive of this composer package. browse Opens the package's repository URL or homepage in your browser. cc Clears composer's internal package cache. check-platform-reqs Check that platform requirements are satisfied. clear-cache Clears composer's internal package cache. clearcache Clears composer's internal package cache. </pre>
4	<p>Ubahlah penyimpanan project pada direktori yang diinginkan menggunakan perintah cd</p>  <pre> C:\Users\ASUS>cd C:\Users\ASUS\Pemrograman-Framework\minggu12 C:\Users\ASUS\Pemrograman-Framework\minggu12> </pre>
5	<p>Kemudian untuk memulai instalasi laravel ketikkan syntax berikut pada direktori yang dipilih</p> <p style="text-align: center;">composer global require "laravel/installer"</p>

	<pre> C:\Users\ASUS\Pemrograman-Framework\minggu12>composer global require "laravel/installer" Changed current directory to C:/Users/ASUS/AppData/Roaming/Composer Using version ^4.2 for laravel/installer ./composer.json has been updated Running composer update laravel/installer Loading composer repositories with package information Updating dependencies Lock file operations: 0 installs, 1 update, 7 removals - Removing guzzlehttp/guzzle (6.5.2) - Removing guzzlehttp/promises (v1.3.1) - Removing guzzlehttp/psr7 (1.6.1) - Removing psr/http-message (1.0.1) - Removing ralouphie/getallheaders (3.0.3) - Removing symfony/filesystem (v5.0.7) - Removing symfony/polyfill-ctype (v1.15.0) - Upgrading laravel/installer (v4.0.5 => v4.2.5) Writing lock file Installing dependencies from lock file (including require-dev) Package operations: 0 installs, 1 update, 7 removals - Downloading laravel/installer (v4.2.5) - Removing symfony/polyfill-ctype (v1.15.0) - Removing symfony/filesystem (v5.0.7) - Removing ralouphie/getallheaders (3.0.3) - Removing psr/http-message (1.0.1) - Removing guzzlehttp/psr7 (1.6.1) - Removing guzzlehttp/promises (v1.3.1) - Removing guzzlehttp/guzzle (6.5.2) - Upgrading laravel/installer (v4.0.5 => v4.2.5): Extracting archive Generating autoload files 4 packages you are using are looking for funding. Use the `composer fund` command to find out more! C:\Users\ASUS\Pemrograman-Framework\minggu12> </pre>
6	<p>Lakukan cek apakah laravel sudah terinstall atau belum.</p> <pre> C:\Users\ASUS\Pemrograman-Framework\minggu12>laravel Laravel Installer 4.2.5 Usage: command [options] [arguments] Options: -h, --help Display this help message -q, --quiet Do not output any message -V, --version Display this application version --ansi Force ANSI output --no-ansi Disable ANSI output -n, --no-interaction Do not ask any interactive question -v vv vvv, --verbose Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug Available commands: help Displays help for a command list Lists commands new Create a new Laravel application C:\Users\ASUS\Pemrograman-Framework\minggu12> </pre>
7	<p>Setelah itu buat project baru. Terdapat 2 cara untuk membuat project baru :</p> <ol style="list-style-type: none"> 1. Via Laravel <p>Jika kita menggunakan via Laravel maka otomatis versi yang di buat akan ter-update versi laravel yang terbaru yaitu versi 8.</p>

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C:\Users\ASUS\Pemrograman-Framework\minggu12>laravel new laravelapp

Laravel

Creating a "laravel/laravel" project at "../laravelapp"
Installing laravel/laravel (v8.5.16)
- Installing laravel/laravel (v8.5.16): Extracting archive
Created project in C:\Users\ASUS\Pemrograman-Framework\minggu12\laravelapp
> @php -r "file_exists('.env') || copy('.env.example', '.env');"
Loading composer repositories with package information
Updating dependencies
Lock file operations: 104 installs, 0 updates, 0 removals
- Locking asm89/stack-cors (v2.0.3)
- Locking brick/math (0.9.2)
- Locking doctrine/inflector (2.0.3)
- Locking doctrine/instantiator (1.4.0)
- Locking doctrine/lexer (1.2.1)
- Locking dragonmantank/cron-expression (v3.1.0)
- Locking egulias/email-validator (2.1.25)
- Locking facade/flare-client-php (1.8.0)
- Locking facade/ignition (2.8.4)
- Locking facade/ignition-contracts (1.0.2)
- Locking fakerphp/faker (v1.14.1)
- Locking fideloper/proxy (4.4.1)
- Locking filp/whoops (2.12.1)
- Locking fruitcake/laravel-cors (v2.0.4)
- Locking graham-campbell/result-type (v1.0.1)
- Locking guzzlehttp/guzzle (7.3.0)
- Locking guzzlehttp/promises (1.4.1)
- Locking guzzlehttp/psr7 (1.8.2)
- Locking hamcrest/hamcrest-php (v2.0.1)

Suggestions were added by new dependencies, use `composer suggest` to see details.
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/sail
Discovered Package: laravel/tinker
Discovered Package: nesbot/carbon
Discovered Package: nunomaduro/collision
Package manifest generated successfully.
74 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.

Application ready! Build something amazing.

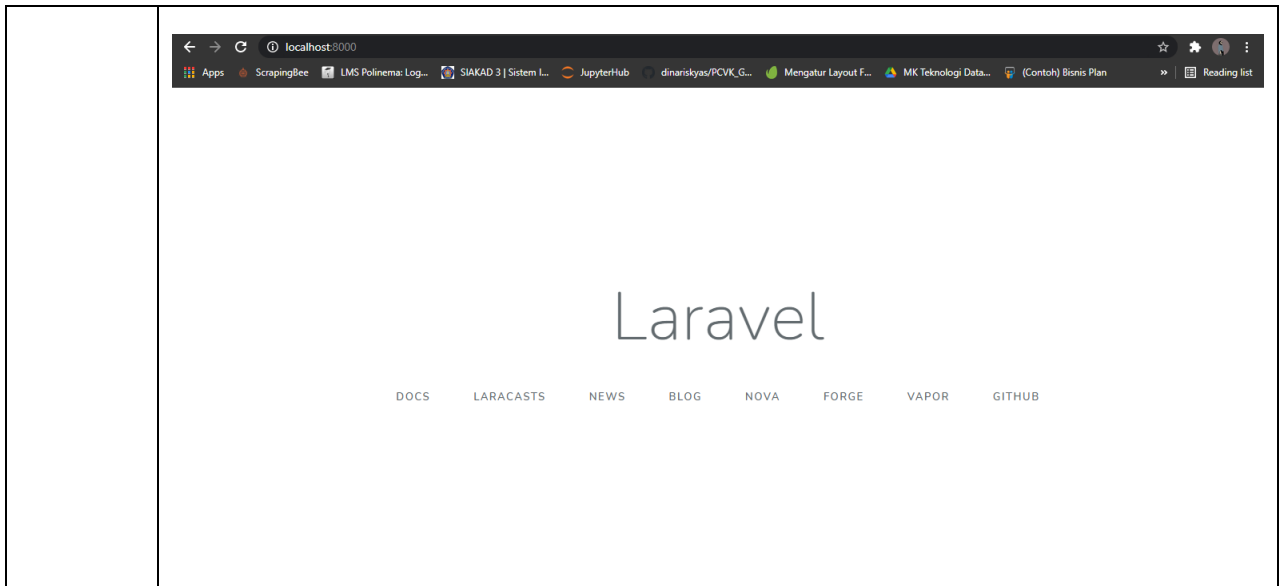
C:\Users\ASUS\Pemrograman-Framework\minggu12>

```

2. Via Composer

Jika kita menggunakan via composer maka versi bisa di setting sesuai yang akan digunakan.

	<pre> C:\Users\ASUS\Pemrograman-Framework\minggu12>composer create-project --prefer-dist laravel/laravel:^7.0 laravelapp-dina Creating a 'laravel/laravel:7.0' project at './laravelapp-dina' Installing laravel/laravel (v7.0.0) - Installing laravel/laravel (v7.0.0): Extracting archive Created project in C:\Users\ASUS\Pemrograman-Framework\minggu12\laravelapp-dina > @php -r "file_exists('.env') copy('.env.example', '.env');" Loading composer repositories with package information Updating dependencies Lock file operations: 97 installs, 0 updates, 0 removals - Locking asm89/stack-cors (1.3.0) - Locking brick/math (0.9.2) - Locking doctrine/inflector (2.0.3) - Locking doctrine/instantiator (1.4.0) - Locking doctrine/lexer (1.2.1) - Locking dragonmantank/cron-expression (v2.3.1) - Locking egulias/email-validator (2.1.25) - Locking facade/flare-client-php (1.8.0) - Locking facade/ignition (2.8.4) - Locking facade/ignition-contracts (1.0.2) - Locking fideloper/proxy (4.4.1) - Locking filp/whoops (2.12.1) - Locking fruitcake/laravel-cors (v1.0.6) - Locking fzaninotto/faker (v1.9.2) - Locking guzzlehttp/guzzle (6.5.5) - Locking guzzlehttp/promises (1.4.1) - Locking guzzlehttp/psr7 (1.8.2) - Locking hamcrest/hamcrest-php (v2.0.1) - Locking laravel/framework (v7.30.4) - Locking laravel/tinker (v2.6.1) - Locking league/commonmark (1.6.0) - Locking league/flysystem (1.1.3) - Locking league/mime-type-detection (1.7.0) - Locking mockery/mockery (1.4.3) - Locking monolog/monolog (2.2.0) - Locking myclabs/deep-copy (1.10.2) - Locking nesbot/carbon (2.47.0) 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. </pre>
8	<p>Cek versi laravel</p> <pre> C:\Users\ASUS\Pemrograman-Framework\minggu12\laravelapp-dina>php artisan --version Laravel Framework 7.30.4 C:\Users\ASUS\Pemrograman-Framework\minggu12\laravelapp-dina> </pre>
9	<p>Jalankan project menggunakan perintah php artisan serve</p> <pre> C:\Users\ASUS\Pemrograman-Framework\minggu12\laravelapp-dina>php artisan serve Laravel development server started: http://127.0.0.1:8000 [Wed May 5 12:41:53 2021] 127.0.0.1:59531 [200]: /favicon.ico [Wed May 5 12:42:07 2021] 127.0.0.1:59537 [200]: /favicon.ico </pre>
10	<p>Kemudian ketikkan localhost:8000 pada browser, maka akan muncul homepage Laravel</p>



Praktikum Bagian - 2 : Mengganti halaman default laravel menjadi biodata

Langkah	Keterangan
1	<p>Buka file project yang telah dibuat. Lalu buka file routes/web/php tambahkan routes seperti gambar berikut.</p> <pre> laravelapp-dina > routes > web.php > ... 1 <?php 2 3 use Illuminate\Support\Facades\Route; 4 5 /* 6 ----- 7 Web Routes 8 ----- 9 10 Here is where you can register web routes for your application. These 11 routes are loaded by the RouteServiceProvider within a group which 12 contains the "web" middleware group. Now create something great! 13 14 */ 15 16 Route::get('/', function () { 17 return view('welcome'); 18 }); 19 </pre>
2	Kemudian tambahkan file images yang akan digunakan pada folder public

	
3	<p>Setelah itu buka folder resources/views buka file welcome.blade.php kemudian ubah isi nya seperti pada gambar berikut.</p> <pre> laravelapp-dina > resources > views > welcome.blade.php > html > div > body 1 <!DOCTYPE html> 2 <html lang="{{ str_replace('_', '-', app()->getLocale()) }}"> 3 4 <head> 5 <meta charset="utf-8"> 6 <meta name="viewport" content="width=device-width, initial-scale=1"> 7 8 <title>Laravel</title> 9 10 <!-- Fonts --> 11 <link href="https://fonts.googleapis.com/css?family=Nunito:200,600" rel="stylesheet"> 12 13 <!-- Styles --> 14 <style> 15 .kartu { 16 width: 650px; 17 margin: 0 auto; 18 margin-top: 50px; 19 transition: all 0.3s; 20 box-shadow: 0 0 16px rgba(0, 0, 0, 0.5); 21 border-radius: 10px; 22 } 23 24 .foto { 25 padding: 20px; 26 } 27 28 .biodata { 29 margin-top: 0px; 30 margin-left: 140px; 31 } 32 33 tbody.biodata { 34 font-size: 18px; 35 font-weight: 100; 36 color: rgb(0, 0, 0); 37 } 38 39 body { 40 background-color: #e8e8e8; </pre>


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41         }
42     }
43     <td style {
44         color: rgb(118, 157, 29);
45         font-weight: bold;
46     }
47 </style>
48 </head>
49
50 <div className="container">
51   <div style="background:#20B2AA">
52     <br>
53     <center>
54       <h1>Biodata</h1>
55     </center>
56   </div>
57
58   <body>
59     <div className="container">
60       <div class="card kartu">
61         <div class="row">
62           <div class="col-md-4">
63             <div class="foto">
64               <center></center>
65             </div>
66           </div>
67           <div class="col-md-8 kertas-biodata">
68             <div class="biodata">
69               <table width="100%" border="0">
70                 <tbody>
71                   <tr>
72                     <td valign="top">
73                       <table border="0" width="150%">
74                         <tbody class="biodata">
75                           <tr>
76                             <td width="20%" valign="top" class="texttt">Nama</td>
77                             <td width="4%">:</td>
78                             <td class="style">Dina Risky Alin Saputri</td>
79                           </tr>
80                           <tr>
81                             <td class="texttt">Jenis Kelamin</td>
82                             <td>:</td>
83                             <td>Perempuan</td>
84                           </tr>
85                           <tr>
86                             <td class="texttt">Tempat Lahir</td>
87                             <td>:</td>
88                             <td>Malang</td>
89                           </tr>
90                           <tr>
91                             <td class="texttt">Tanggal Lahir</td>
92                             <td>:</td>
93                             <td>04/06/2000</td>
94                           </tr>
95                           <tr>
96                             <td class="texttt">Jurusan</td>
97                             <td>:</td>
98                             <td>Teknologi Informasi</td>
99                           </tr>
100                        </tbody>

```

4

```

101     <tr>
102         <td valign="top" class="texttt">Prodi</td>
103         <td valign="top">:</td>
104         <td>DIV - Teknik Informatika</td>
105     </tr>
106 </tbody>
107 </table>
108 </td>
109 </tr>
110 </tbody>
111 </table>
112 </div>
113 </div>
114 </div>
115 </div>
116 </body>
117 </div>
118 </div>
119 </div>
120 </html>

```

Maka hasilnya seperti berikut.

Nama	: Dina Risky Alin Saputri
Jenis Kelamin	: Perempuan
Tempat Lahir	: Malang
Tanggal Lahir	: 04/06/2000
Jurusan	: Teknologi Informasi
Prodi	: DIV - Teknik Informatika

Link Github:

<https://github.com/dinariskyas/PemrogramanFramework2021/tree/master/minggu12>

Link Youtube :

<https://youtu.be/-chAu3GAzbk>