

PEMROGRAMAN WEB LANJUT
JOBSHEET 6

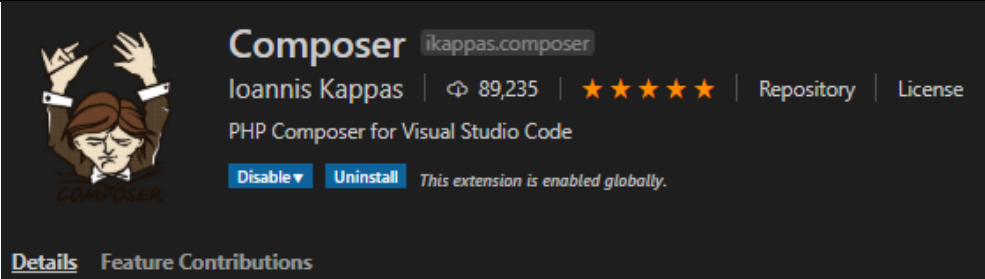


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PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2020

No	Uraian Jawaban Praktikum bagian 1(Menggunakan DataTables pada Halaman User)
1	<pre> application > controllers > user.php > user 1 <?php 2 3 defined('BASEPATH') or exit('No direct script access allowed'); 4 5 class user extends CI_Controller 6 7 8 public function __construct() 9 { 10 parent::__construct(); 11 \$this->load->helper('url'); 12 \$this->load->helper('form'); 13 \$this->load->model('login_model'); 14 \$this->load->model('mahasiswa_model'); 15 \$this->load->model('cetak_model'); 16 17 if (\$this->session->userdata('level') != "user") { 18 redirect('login', 'refresh'); 19 } 20 } 21 22 public function index() 23 { 24 \$data = array(25 'title' => 'data mahasiswa', 26 'mahasiswa' => \$this->mahasiswa_model->datatables() 27); 28 \$this->load->view('template/header_datatables_user', \$data); 29 \$this->load->view('mahasiswa/user', \$data); 30 \$this->load->view('template/footer_datatables_user'); 31 } 32 </pre>
2	<p>Menambahkan kode program diatas di dalam controller user</p> <pre> application > views > template > header/datatables/user.php > html > body > navbar.navbar-expand-lg.navbar-light.bg-light > div.container > div.navbar.navA1Markup.collapse.navbar-collapse > ul.navbar-nav 1 <doctype html> 2 <html lang="en"> 3 4 <head> 5 <!-- Required meta tags --> 6 <meta charset="utf-8"> 7 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no"> 8 9 <!-- Bootstrap CSS --> 10 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha384-Pw00" crossorigin="anonymous"> 11 12 <title><= \$title %></title> 13 <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.2/jquery.min.js"></script> 14 <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/1.10.20/css/jquery.dataTables.min.css" /> 15 <script type="text/javascript" src="https://cdn.datatables.net/1.10.20/js/jquery.dataTables.min.js"></script> 16 </head> 17 18 <body> 19 <nav class="navbar navbar-expand-lg navbar-light bg-light"> 20 <div class="container"> 21 CI 22 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation"> 23 24 </button> 25 <div class="collapse navbar-collapse" id="navbarNavA1Markup"> 26 <ul class="navbar-nav"> 27 Home (current) 28 About 29 User/Laporan PDF/Cetak Laporan 30 About 31 Login/Logout 32 <li class="nav-item active"> 33 Home (current) 34 35 <li class="nav-item"> 36 Data Mahasiswa 37 38 <li class="nav-item"> 39 About 40 41 <li class="nav-item"> 42 Disabled 43 44 45 </div> 46 </div> 47 </nav> </pre>

	Membuat header_datatables_user pada views/template kode program seperti diatas
3	<pre> application > views > template > footer_datatables_user.php > script > ready() callback 1 <script type="text/javascript"> 2 \$(document).ready(function() { 3 \$('#list_mhs').DataTable(); 4 }); 5 </script> 6 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script> 7 </body> 8 9 </html> </pre>
	Membuat footer_datatables_user pada views/template kode program seperti diatas
4	<pre> application > views > mahasiswa > user.php > div.container > table#list_mhs.table.table-striped.table-bordered 1 <div class="container" style="margin-top: 20px"> 2 <div class="col-md-12"> 3 <h1 style="text-align: center; margin-bottom: 30px">Data Mahasiswa</h1> 4 </div> 5 <table class="table table-striped table-bordered" id="list_mhs"> 6 <thead> 7 <tr> 8 <th>#</th> 9 <th>Nama</th> 10 <th>Email</th> 11 <th>Jurusan</th> 12 </tr> 13 </thead> 14 <tbody> 15 <?php 16 \$no = 1; 17 foreach (\$mahasiswa as \$mhs) { ?> 18 <tr> 19 <td><? \$no++; ?></td> 20 <td><? \$mhs->nama; ?></td> 21 <td><? \$mhs->email; ?></td> 22 <td><? \$mhs->jurusan; ?></td> 23 </tr> 24 <?php } ?> 25 </tbody> 26 </table> 27 </div> 28 29 </pre>
	Menambahkan kode program diatas di dalam views/mahasiswa/user
5	<pre> public function datatables() { \$query = \$this->db->order_by('id', 'DESC')->get('mahasiswa'); return \$query->result(); } </pre>
	Menambahka function data tables pada mahasiswa_model

6	<div><h2>Data Mahasiswa</h2><div><div>Show10entries</div><div>Search:</div></div><table><thead><tr><th>#</th><th>Nama</th><th>Email</th><th>Jurusan</th></tr></thead><tbody><tr><td>1</td><td>hunayn</td><td>hunayn@mail.com</td><td>kimia</td></tr><tr><td>2</td><td>violet</td><td>violet@mail.com</td><td>informatika</td></tr><tr><td>3</td><td>soni</td><td>soni@gmail.com</td><td>mesin</td></tr><tr><td>4</td><td>dika</td><td>dika@gmail.com</td><td>informatika</td></tr><tr><td>5</td><td>dina1</td><td>dina1@gmail.com</td><td>Teknik Kimia</td></tr></tbody></table><div><div>Showing 1 to 5 of 5 entries</div><div><div>Previous</div><div>1</div><div>Next</div></div></div></div> <div><p>Ini adalah hasil dari kode program diatas</p></div>	#	Nama	Email	Jurusan	1	hunayn	hunayn@mail.com	kimia	2	violet	violet@mail.com	informatika	3	soni	soni@gmail.com	mesin	4	dika	dika@gmail.com	informatika	5	dina1	dina1@gmail.com	Teknik Kimia
#	Nama	Email	Jurusan																						
1	hunayn	hunayn@mail.com	kimia																						
2	violet	violet@mail.com	informatika																						
3	soni	soni@gmail.com	mesin																						
4	dika	dika@gmail.com	informatika																						
5	dina1	dina1@gmail.com	Teknik Kimia																						
7	<div></div> <div><p>Menginstall extensions Composer pada visual Code</p></div>																								
8	<div><pre>138 */ 139 \$config['composer_autoload'] = "vendor/autoload.php"; 140 </pre></div> <div><p>Mengkonfigurasi composer_autoloadnya menjadi kode program diatas</p></div>																								
9	<div><pre>PS C:\Program Files\Amps\www\ci-app2> composer require dompdf/dompdf Deprecation warning: require-dev.mike179/vfsStream is invalid, it should not contain uppercase characters. Please use mike179/vfsstream instead. Make sure you fix this as Composer 2.0 will error. Using version ^0.8.3 for dompdf/dompdf ./composer.json has been updated Deprecation warning: require-dev.mike179/vfsStream is invalid, it should not contain uppercase characters. Please use mike179/vfsstream instead. Make sure you fix this as Composer 2.0 will error. Loading composer repositories with package information Updating dependencies (including require-dev) Package operations: 31 installs, 0 updates, 0 removals - Installing mike179/vfsstream (v1.1.0): Downloading (100%) - Installing sabberworm/php-css-parser (8.3.0): Downloading (100%) - Installing phenx/php-svg-lib (v0.3.3): Downloading (100%) - Installing phenx/php-font-lib (0.5.1): Downloading (100%) - Installing dompdf/dompdf (v0.8.3): Downloading (100%) - Installing myclabs/deep-copy (1.7.0): Downloading (100%) - Installing sebastian/version (2.0.1): Downloading (100%) - Installing sebastian/resource-operations (1.0.0): Downloading (100%) - Installing sebastian/recursion-context (2.0.0): Downloading (100%) - Installing sebastian/object-enumerator (2.0.1): Downloading (100%) - Installing sebastian/global-state (1.1.1): Downloading (100%) - Installing sebastian/exporter (2.0.0): Downloading (100%) - Installing sebastian/environment (2.0.0): Downloading (100%) - Installing sebastian/diff (1.4.3): Downloading (100%) - Installing sebastian/comparator (1.2.4): Downloading (100%) - Installing symfony/polyfill-ctype (v1.14.0): Downloading (100%) - Installing symfony/yaml (v3.4.38): Downloading (100%) - Installing doctrine/instantiator (1.0.5): Downloading (100%) - Installing webmozart/assert (1.7.0): Downloading (100%) - Installing phpdocumentor/reflection-common (1.0.1): Downloading (100%) - Installing phpdocumentor/type-resolver (0.4.0): Downloading (100%) - Installing phpdocumentor/reflection-docblock (3.3.2): Downloading (100%) - Installing phpspec/prophecy (v1.10.3): Downloading (100%) - Installing phpunit/php-text-template (1.2.1): Downloading (100%) - Installing phpunit/phpunit-mock-objects (3.4.4): Downloading (100%) - Installing phpunit/php-timer (1.0.9): Downloading (100%) - Installing sebastian/code-unit-reverse-lookup (1.0.1): Downloading (100%) - Installing phpunit/php-token-stream (1.4.12): Downloading (100%) - Installing phpunit/php-file-iterator (1.4.5): Downloading (100%) - Installing phpunit/php-code-coverage (4.0.8): Downloading (100%) - Installing phpunit/phpunit (5.7.27): Downloading (100%) dompdf/dompdf suggests installing ext-imagick (Improves image processing performance) dompdf/dompdf suggests installing ext-gmagick (Improves image processing performance) sebastian/global-state suggests installing ext-uopz (*) symfony/yaml suggests installing symfony/console (For validating YAML files using the lint command) phpunit/phpunit-mock-objects suggests installing ext-soap (*) phpunit/php-code-coverage suggests installing ext-xdebug (^2.5.1) phpunit/phpunit suggests installing phpunit/php-invoker (~1.1) phpunit/phpunit suggests installing ext-xdebug (*) Package phpunit/phpunit-mock-objects is abandoned, you should avoid using it. No replacement was suggested. Writing lock file Generating autoload files PS C:\Program Files\Amps\www\ci-app2></pre></div> <div><p>Menginstall dompdf pada folder project masing masing</p></div>																								

10	<pre> application > libraries > pdf.php 1 <?php 2 3 defined('BASEPATH') or exit('No direct script access allowed'); 4 5 use Dompdf\Dompdf; 6 7 class Pdf extends Dompdf 8 { 9 /** 10 * PDF filename 11 * @var String 12 */ 13 public \$filename; 14 public function __construct() 15 { 16 parent::__construct(); 17 \$this->filename = "laporan.pdf"; 18 } 19 /** 20 * Get an instance of CodeIgniter 21 * 22 * @access protected 23 * @return void 24 */ 25 protected function ci() 26 { 27 return get_instance(); 28 } 29 public function load_view(\$view, \$data = array()) 30 { 31 \$html = \$this->ci()->load->view(\$view, \$data, TRUE); 32 \$this->load_html(\$html); 33 //Render the PDF 34 \$this->render(); 35 //Output the generated PDF to Browser 36 \$this->stream(\$this->filename, array("Attachment" => false)); 37 } 38 </pre> <p>Menambahkan kode program diatas di dalam libraries</p>
11	<pre> 33 public function laporan_pdf() 34 { 35 \$this->load->library('pdf'); 36 37 \$data['mahasiswa'] = \$this->cetak_model->view(); 38 \$this->load->library('pdf'); 39 40 \$this->pdf->setPaper('A4', 'potrait'); 41 \$this->pdf->filename = "laporan-petani kode.pdf"; 42 \$this->pdf->load_view('mahasiswa/laporan', \$data); 43 } 44 </pre> <p>Menambahkan function di dalam controller user dengan nama laporan_pdf</p>

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```
application > models > cetak_model.php > cetak_model > view
1  <?php
2
3  defined('BASEPATH') or exit('No direct script access allowed');
4
5  class cetak_model extends CI_Model
6  {
7      public function view()
8      {
9          $this->db->select('nama,email,jurusan');
10         $query = $this->db->get('mahasiswa');
11         return $query->result();
12     }
13 }
```

Menambahkan kode program di dalam model dengan nama cetak_model.php

```

application > views > mahasiswa > laporan.php > html > head > style
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>Report Table</title>
6      <style type="text/css">
7          #outtable {
8              padding: 20px;
9              border: 1px solid #e3e3e3;
10             width: 600px;
11             border-radius: 5px;
12         }
13
14         .short {
15             width: 50px;
16         }
17
18         .normal {
19             width: 150px;
20         }
21
22         table {
23             border-collapse: collapse;
24             font-family: arial;
25             color: #5E585C;
26         }
27
28         thead th {
29             text-align: left;
30             padding: 10px;
31         }
32
33         tbody td {
34             border-top: 1px solid #e3e3e3;
35             padding: 10px;
36         }
37
38         tbody tr:nth-child(even) {
39             background: #F6F5FA;
40         }
41
42         tbody tr:hover {
43             background: #EAE9F5;
44         }
45     </style>
46 </head>
47
48 <body>
49     <div id="outtable">
50         <table>
51             <thead>
52                 <tr>
53                     <th class="short">#</th>
54                     <th class="normal">Nama</th>
55                     <th class="normal">Email</th>
56                     <th class="normal">Jurusan</th>
57                 </tr>
58             </thead>
59             <tbody>
60                 <?php $no = 1; ?>
61                 <?php foreach ($mahasiswa as $user) : ?>
62                     <tr>
63                         <td><?php echo $no; ?></td>
64                         <td><?php echo $user->nama; ?></td>
65                         <td><?php echo $user->email; ?></td>
66                         <td><?php echo $user->jurusan; ?></td>
67                     </tr>
68                     <?php $no++; ?>
69                 <?php endforeach; ?>
70             </tbody>
71         </table>
72     </div>
73 </body>
74
75 </html>

```

Menambahkan kode program diatas di dalam view mahasiswa dengan nama laporan.php

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```

27 <a class="nav-item nav-link" href="{%= base_url(); %}">home</a> <span class="sr-only">(current)
28 <a class="nav-item nav-link" href="{%= base_url(); %}">About</a>
29 <a class="nav-item nav-link" href="{%= base_url(); %}user/laporan_pdf">Cetak Laporan</a>
30 <!-- <a class="nav-item nav-link" href="{%= base_url(); %}">About</a> -->
31 <a class="nav-item nav-link" href="{%= base_url(); %}login/logout">Logout</a>

```

Menambahkan kode program di dalam header_datatables_user dengan menambahkan link pada cetak laporan

15

#	Nama	Email	Jurusan
1	dina1	dina1@gmail.com	Teknik Kimia
2	dika	dika@gmail.com	informatika
3	soni	soni@gmail.com	mesin
4	violet	violet@mail.com	informatika
5	hunayn	hunayn@mail.com	kimia

Ini adalah hasil dari kode program diatas, yang bisa mendownload dan hasil filenya seperti berikut