

LAPORAN PRATIKUM PEMOGRAMAN WEB LANJUT

JOBSHEET 6 – DataTables User dan DOM PDF



DISUSUN OLEH :

NAMA : MARDHIYAH MILLANIA

KELAS : 2A

PRODI : D-4 TEKNIK INFORMATIKA

NIM : 1841720081

ABSEN : 19



Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User

No	Langkah
1	Untuk menggunakan DataTables kita menyisipkan DataTabels melalui CDN <div><pre><script src="https://code.jquery.com/jquery-3.1.0.js"></script> <script src="//cdn.datatables.net/1.10.12/js/jquery.dataTables.min.js"></script></pre></div>
2	Ada 2 cara penggunaan datatables yaitu dengan cara <i>online</i> yaitu dengan cara menyisipkan CDN atau dengan cara offline yaitu dengan cara mendownload pada situs https://datatables.net/
3	Tambahkan <i>code</i> berikut pada controller user <pre>application > controllers > user.php 3 defined('BASEPATH') OR exit('No direct script access allowed'); 4 5 class user extends CI_Controller { 6 7 public function __construct() { 8 parent::__construct(); 9 \$this->load->helper('url'); 10 \$this->load->helper('form'); 11 \$this->load->model('login_model'); 12 \$this->load->model('mahasiswa_model'); 13 //\$this->load->library('session'); 14 15 //validasi level 16 if(\$this->session->userdata('level')!="user"){ 17 redirect('login','refresh'); 18 } 19 } 20 21 public function index() 22 { 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 33 } 34 35 /* End of file Controllername.php */ 36</pre>
4	Buatlah header_datatables_user dan footer_datatables_user pada views/template <ul style="list-style-type: none">• header_datatables_user



	<pre>application > views > template > header_datatables_user.php 1 <!DOCTYPE html> 2 <html lang="en"> 3 <head> 4 <!-- Required meta tags --> 5 <meta charset="utf-8"> 6 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no"> 7 8 <!-- Bootstrap CSS --> 9 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" 10 integrity="sha384-MCv98/SFngE8fJ3GKwEOngsV7Zt27NIXFoaoApMym81uXoPKF03w3BERdKnLPMD" crossorigin="anonymous"> 11 12 <!-- <title>Hello, world!</title> --> 13 <title><? \$title ?></title> 14 15 <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script> 16 <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.css"/> 17 <script type="text/javascript" src="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.js"></script> 18 </head> 19 <body> 20 21 <!-- navbar --> 22 <nav class="navbar navbar-expand-lg navbar-light bg-light"> 23 <div class="container"> 24 CI 25 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup" 26 aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation"> 27 28 </button> 29 <div class="collapse navbar-collapse" id="navbarNavAltMarkup"> 30 <div class="navbar-nav"> 31 <!-- <a class="nav-item nav-link" href="<?= base_url(); ?>Home">Home --> 32 <a class="nav-item nav-link" href="<?= base_url(); ?>">About 33 <a class="nav-item nav-link" href="<?= base_url(); ?>login/logout">Logout 34 </div> 35 </div> 36 </div> 37 </nav></pre> <ul style="list-style-type: none">• footer_datatables_user <pre>application > views > template > footer_datatables_user.php 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" 7 integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqjxyMiZ6OW/JmZQ5StwEULy" crossorigin="anonymous"></script> 8 </body> 9 </html></pre>
5	Tambahkan code berikut pada views/mahasiswa/user



```

application > views > mahasiswa > user.php
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

```

6 Tambahkan **function datatables** pada **mahasiswa_model**

```

application > models > mahasiswa_model.php
55     return $this->db->get('mahasiswa')->result_array();
56 }
57
58 public function datatables(){
59     $query= $this->db->order_by('id','DESC')->get('mahasiswa');
60     return $query->result();
61 }
62
63 }
64
65 /* End of file ModelName.php */
66 ?>

```

7 Hasil

localhost/code-kedua/index.php/user

CI About Logout

Data Mahasiswa

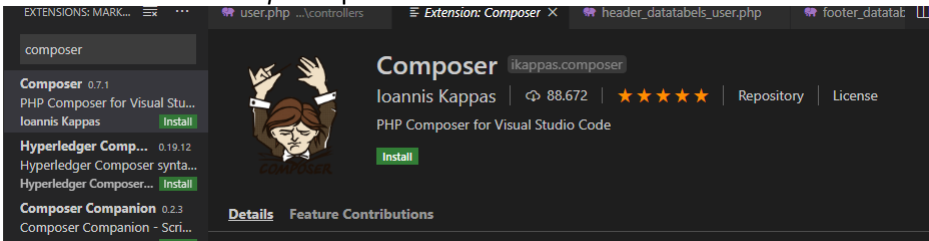
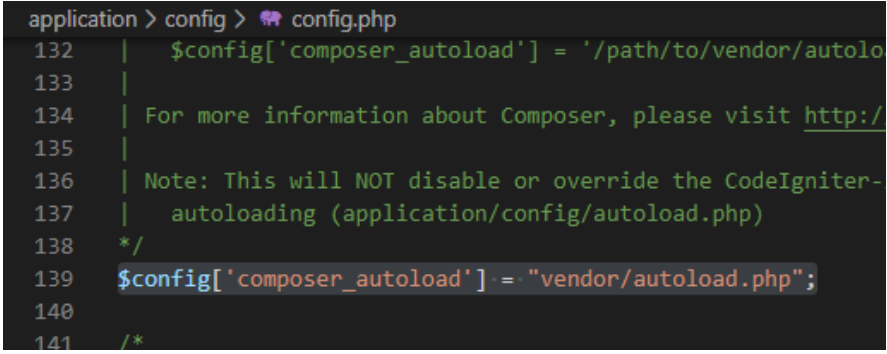
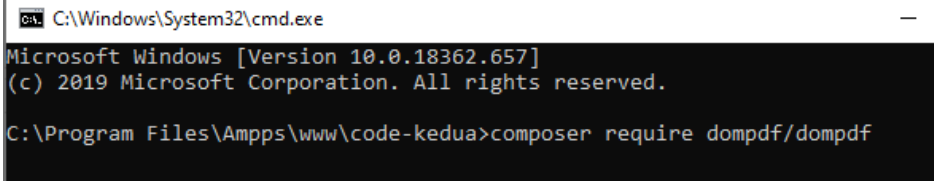
Show 10 entries Search:

#	Nama	Email	Jurusan
1	mardhiyah millania	millania@gmail.com	Teknik Informatika
2	soni sino sono	soni@gmail.com	Teknik Informatika
3	dika mahendra	dika@gmail.com	Teknik Informatika
4	dina	dina@gmail.com	Teknik Informatika

Showing 1 to 4 of 4 entries Previous 1 Next



Praktikum – Bagian 2: Menggunakan DOMPdf dengan CodeIgniter

No	Langkah
1	<p><i>Install extensions Composer pada visualCode</i></p> 
2	<p>Konfigurasi composer_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut</p> 
3	<p>Selanjutnya proses <i>install</i> dompdf menggunakan <i>composer</i>. Untuk menginstall dompdf menggunakan <i>composer</i> pastikan proses <i>install</i> tersebut pada folder codeIgniter kita. Untuk perintah <i>install</i> dompdfnya seperti berikut</p> 



Jurusan Teknologi Informasi Politeknik Negeri Malang
Jobsheet-6: DataTables User dan DOM PDF
Mata Kuliah Pemrograman Web Lanjut
Pengampu: Tim Ajar Web Lanjut
Maret 2020

	<pre>C:\Windows\System32\cmd.exe Microsoft Windows [Version 10.0.18362.657] (c) 2019 Microsoft Corporation. All rights reserved. C:\Program Files\Ampms\www\code-kedua>composer require dompdf/dompdf Deprecation Warning: require-dev: mikey179/vfsStream is invalid, it should not contain uppercase characters. Please use mikey179/vfsstream instead. Make sure s as Composer 2.0 will error. Using version ^0.8.5 for dompdf/dompdf Deprecation Warning: require-dev: mikey179/vfsStream is invalid, it should not contain uppercase characters. Please use mikey179/vfsstream instead. Make sure s 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 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 (v0.8.5): Downloading (100%) - Installing mikey179/vfsstream (v1.1.0): Downloading (100%) - Installing symfony/css-selector (v3.4.0): Downloading (100%) - Installing sebastian/version (2.0.1): Downloading (100%) - Installing sebastian/resource-operations (3.0.0): Downloading (100%) - Installing sebastian/recursion-context (2.0.0): Downloading (100%) - Installing sebastian/object-enumerator (2.0.1): Downloading (100%) - Installing sebastian/global-state (4.1.4): 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-type (v1.14.0): Downloading (100%) - Installing symfony/yaml (v4.4.5): Downloading (100%) - Installing doctrine/instantiator (1.3.0): Downloading (100%) - Installing phpspec/prophecy (v1.10.3): Downloading (100%) - Installing phpunit/php-token-stream (2.0.2): 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 (connecting...Download (100%) - Installing phpunit/php-token-stream (2.0.2): 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 1 package you are using is looking for funding. Use the composer fund command to find out more! C:\Program Files\Ampms\www\code-kedua></pre>
4	Buatlah file php dengan nama pdf.php pada <i>libraries</i>



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



```
application > models > cetak_model.php
1  <?php
2
3  defined('BASEPATH') OR exit('No direct script access allowed');
4
5  class cetak_model extends CI_Controller {
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
14 }
15
16 /*cetak_model.php */
17
18 ?>
```

Buat viewnya dengan nama **laporan** pada folder **mahasiswa**

- 7 Buka file **header_datatables_user.php** dan tambahkan *link* cetak laporan pada navbar **line 30**

```
application > views > template > header_datatables_user.php
19 <body>
20
21 <!-- navbar -->
22 <nav class="navbar navbar-expand-lg navbar-light bg-light">
23     <div class="container">
24         <a class="navbar-brand" href="#"> CI </a>
25         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup"
26             aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
27             <span class="navbar-toggler-icon"></span>
28         </button>
29         <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
30             <div class="navbar-nav">
31                 <!-- <a class="nav-item nav-link" href="<?>= base_url(); ?>Home">Home</a> -->
32                 <a class="nav-item nav-link" href="<?>= base_url(); ?>user/laporan_pdf">Cetak Laporan</a>
33                 <a class="nav-item nav-link" href="<?>= base_url(); ?>login/logout">Logout</a>
34             </div>
35         </div>
36     </div>
37 </nav>
```

- 8 Jika berhasil maka hasilnya seperti berikut

Report Table

#	Nama	Email	Jurusan
1	dina	dina@gmail.com	Teknik Informatika
2	dika mahendra	dika@gmail.com	Teknik Informatika
3	soni sino sono	soni@gmail.com	Teknik Informatika
4	mardhiyah millania	millania@gmail.com	Teknik Informatika



Jurusan Teknologi Informasi Politeknik Negeri Malang

Jobsheet-6: DataTables User dan DOM PDF

Mata Kuliah Pemrograman Web Lanjut

Pengampu: Tim Ajar Web Lanjut

Maret 2020
