

LAPORAN PEMROGRAMAN WEB LANJUT

JOBSHEET 6

DATATABLES USER DAN DOM PDF

Oleh:

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A. Praktikum

1. Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User

- 1) Untuk menggunakan DataTables kita menyisipkan DataTabels melalui CDN

```
<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>
```

- 2) Ada 2 cara penggunaan.datatables yaitu dengan cara online yaitu dengan cara menyisipkan CDN atau dengan cara offline yaitu dengan cara mendownload pada situs

<https://datatables.net/>

- 3) Tambahkan code berikut pada controller user

```
application > controllers > user.php > user > index
1  <?php
2
3
4  defined('BASEPATH') OR exit('No direct script access allowed');
5
6  class user extends CI_Controller {
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         $this->load->model('mahasiswa_model');
15
16         if($this->session->userdata('level')!="user"){
17             redirect('login', 'refresh');
18         }
19     }
20
21     public function index()
22     {
23         $data= array(
24             'title'=>'data mahasiswa',
25             'mahasiswa'=>$this->mahasiswa_model->datatables()
26         );
27         $this->load->view('template/header_datatables_user', $data);
28         $this->load->view('mahasiswa/user', $data);
29         $this->load->view('template/footer_datatables_user');
30     }
31 }
32
33
34 /* End of file Controllername.php */
35
36
37 ?>
```

4) Buatlah header_datatables_user dan footer_datatables_user pada views/template

- header_datatables_user

```
application > views > template > header_datatables_user.php > html > body > nav.navbar.navbar-expand-lg.navbar-light.bg-light > div.container
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, shrink-to-fit=no">
6   <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha384-MCw98/SFng68F77746E0ngsV7Z12NdfFoaoapwY68Iiu8d9yF76Ji34WThxj" crossorigin="anonymous">
7   <title><? $title ></title>
8
9   <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
10  <script src="https://cdn.datatables.net/1.10.13/js/jquery.dataTables.min.js"></script>
11  <script src="https://cdn.datatables.net/1.10.13/css/dataTables.bootstrap.min.css"></script>
12  <script type="text/javascript" src="https://cdn.datatables.net/v/1.10.13/datatables.min.js"></script>
13 </head>
14 <body>
15   <div class="container">
16     <div class="navbar navbar-expand-lg navbar-light bg-light">
17       <div class="container">
18         <a class="navbar-brand" href="#">CI </a>
19         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup"
20           aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
21           <span class="navbar-toggler-icon"></span>
22         </button>
23       </div>
24       <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
25         <div class="navbar-nav">
26           <!-- <a class="nav-item nav-link" href="#">Home</a> -->
27           <a class="nav-item nav-link" href="#">About</a>
28           <a class="nav-item nav-link" href="#">Login/Logout</a>
29         </div>
30       </div>
31     </div>
32   </div>
```

- footer_datatables_user

```
application > views > template > footer_datatables_user.php
1 <!-- Optional JavaScript -->
2 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
3 <script type="text/javascript">
4   $(document).ready(function(){
5     $('#list_mhs').DataTable();
6   })
7 </script>
8
9 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js" integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE3447h91HEQkef94dRMSEMGk0MkS2x1r"></script>
10 </body>
11 </html>
```

5) Tambahkan code berikut pada views/mahasiswa/user

```
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>
```

- 6) Tambahkan function datatables pada mahasiswa_model

```
58 public function datatables(){
59     $query = $this->db->order_by('id','DESC')->get('mahasiswa');
60     return $query->result();
61 }
```

- 7) Hasil

localhost/158belajarCI/code-kelima/user

CI About Logout

Data Mahasiswa

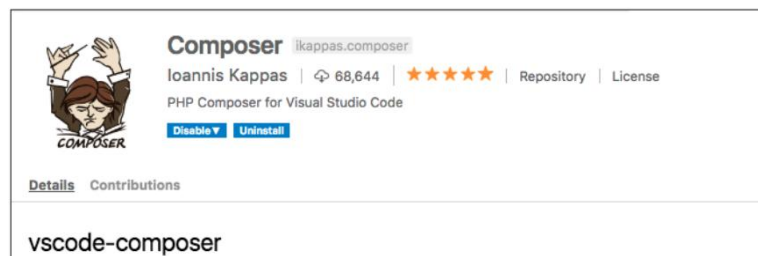
Show 10 entries Search:

#	Nama	Email	Jurusan
1	Darin	darin@gmail.com	Teknik Informatika
2	kinanti	kinanti@gmail.com	Teknik Informatika
3	Qorinda	qorinda@gmail.com	Teknik Informatika
4	Ina	inayati@gmail.com	Teknik Informatika
5	Livia	livia@gmail.com	Teknik Informatika

Showing 1 to 5 of 5 entries Previous 1 Next

2. Praktikum – Bagian 2: Menggunakan DOMPDF dengan CodeIgniter

- 1) Install extensions Composer pada visualCode



- 2) Konfigurasi composer_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut

```
139 $config['composer_autoload'] = "vendor/autoload.php";
```

- 3) Selanjutnya proses install dompdf menggunakan composer. Untuk menginstall dompdf menggunakan composer pastikan proses install tersebut pada folder codeIgniter kita. Untuk perintah install dompdfnya seperti berikut

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18362.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Program Files\Amps\www\15BelajarCI\code-kelima>composer require dompdf/dompdf
Deprecation warning: require-dev.mike179/vfsStream is invalid, it should not contain uppercase characters. Please use mike179/vfststream instead. Make sure you fix this as
Composer 2.0 will error.
Using version ^8.0.0 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/vfststream 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 sabberworm/php-css-parser (8.3.0): Downloading (100%)
- Installing pharos/php-svg-lib (v0.3.3): Downloading (100%)
- Installing pharos/php-font-lib (0.5.1): Downloading (100%)
- Installing dompdf/dompdf (v0.8.5): Downloading (100%)
- Installing mike179/vfststream (v1.1.0): Downloading (100%)
- Installing sylab/deep-copy (1.9.5): 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 (v4.4.3): Downloading (100%)
- Installing doctrine/instantiator (1.3.0): Downloading (100%)
- Installing sebastian/assert (1.7.0): Downloading (100%)
- Installing phpdocumentor/reflection-common (2.0.0): Downloading (100%)
- Installing phpdocumentor/type-resolver (1.1.0): Downloading (100%)
- Installing phpdocumentor/reflection-docblock (5.1.0): Downloading (100%)
- Installing shazow/prophecy (v1.10.2): 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 (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%)
```

- 4) Buatlah file php dengan nama pdf.php pada libraries

```
application > libraries > pdf.php > PHP Intelephense > Pdf > __construct
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         $this->filename = "laporan.pdf";
13     }
14     /**
15      * Get an instance of CodeIgniter
16      *
17      * @access protected
18      * @return void
19      */
20     protected function ci()
21     {
22         return get_instance();
23     }
24
25     public function load_view($view, $data = array()){
26         $html = $this->ci()->load->view($view, $data, TRUE);
27         $this->load_html($html);
28         //Render the pdf
29         $this->render();
30         //Output the generated PDF to Browser
31         $this->stream($this->filename, array("Attachment"=> false));
32     }
33
34 }
```

- 5) Setelah itu kita coba membuat sebuah function pada controller user dengan nama laporan_pdf

```
32     public function laporan_pdf(){
33         $this->load->library('pdf');
34
35         $data['mahasiswa'] = $this->cetak_model->view();
36         $this->load->library('pdf');
37
38         $this->pdf->setPaper('A4', 'potrait');
39         $this->pdf->filename = "laporan-petanikode.pdf";
40         $this->pdf->load_view('mahasiswa/laporan', $data);
41     }
```

- 6) Buat modelnya dengan nama cetak_model.php

```
application > models > cetak_model.php > PHP Intelephense > 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
14 }
15
16 /* End of file ModelName.php */
17
18 ?>
```

Buat viewnya dengan nama laporan pada folder mahasiswa

```
application > views > mahasiswa > laporan.php > html
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Report Table</title>
5      <style type="text/css">
6          #outtable{
7              padding: 20px;
8              border:1px solid #e3e3e3;
9              width: 600px;
10             border-radius: 5px;
11         }
12         .short{
13             width: 50px;
14         }
15         .normal{
16             width: 150px;
17         }
18         table{
19             border-collapse: collapse;
20             font-family: arial;
21             color: #5E5B5C;
22         }
23         thead th{
24             text-align: left;
25             padding: 10px;
26         }
27         tbody td{
28             border-top: 1px solid #e3e3e3;
29             padding: 10px;
30         }
31         tbody tr:nth-child(even){
32             background: #F6F5FA;
33         }
34         tbody tr:hover{
35             background: #EAE9F5;
36         }
37     </style>
38 </head>
39 <body>
40     <div id="outtable">
```

```

application > views > mahasiswa > laporan.php > html > head > style > table
40     <div id="outtable">
41         <table>
42             <thead>
43                 <tr>
44                     <th class="short">#</th>
45                     <th class="normal">Nama</th>
46                     <th class="normal">Email</th>
47                     <th class="normal">Jurusan</th>
48                 </tr>
49             </thead>
50             <tbody>
51                 <?php $no=1;?>
52                 <?php foreach($mahasiswa as $user):?>
53                     <tr>
54                         <td><?php echo $no; ?></td>
55                         <td><?php echo $user->nama; ?></td>
56                         <td><?php echo $user->email; ?></td>
57                         <td><?php echo $user->jurusan; ?></td>
58                     </tr>
59                 <?php $no++; ?>
60             <?php endforeach; ?>
61             </tbody>
62         </table>
63     </div>
64 </body>
65 </html>

```

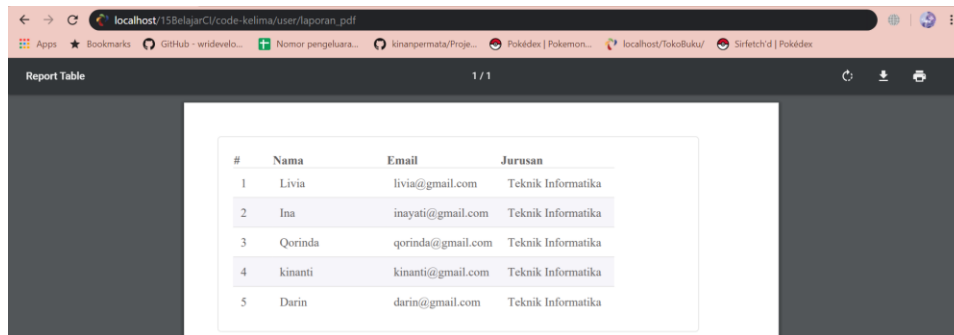
- 7) Buka file header_datatables_user.php dan tambahkan link cetak laporan pada navbar line 30

```

24 <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
25 <div class="navbar-nav">
26 <!-- <a class="nav-item nav-link" href="<?= base_url(); ?>Home">Home</a> -->
27 <a class="nav-item nav-link" href="<?= base_url(); ?>user/laporan_pdf" >Cetak Laporan</a>
28 <a class="nav-item nav-link" href="<?= base_url(); ?>login/logout">Logout</a>
29 </div>
30 </div>

```

- 8) Jika berhasil maka hasilnya seperti berikut



The screenshot shows a web browser window with the address bar displaying 'localhost/158elajarCI/code-kelima/user/laporan_pdf'. The page title is 'Report Table'. The table contains the following data:

#	Nama	Email	Jurusan
1	Livia	livia@gmail.com	Teknik Informatika
2	Ina	inayati@gmail.com	Teknik Informatika
3	Qorinda	qorinda@gmail.com	Teknik Informatika
4	kinanti	kinanti@gmail.com	Teknik Informatika
5	Darin	darin@gmail.com	Teknik Informatika