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

Langkah	Keterangan
1	Untuk menggunakan DataTables kita menyisipkan DataTabels melalui CDN <div><pre>&lt;script src="https://code.jquery.com/jquery-3.1.0.js"&gt;&lt;/script&gt; &lt;script src="//cdn.datatables.net/1.10.12/js/jquery.dataTables.min.js"&gt;&lt;/script&gt;</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 <a href="https://datatables.net/">https://datatables.net/</a>
3	Tambahkan <i>code</i> berikut pada <b><i>controller user</i></b> <b>Jawaban:</b>

```

<?php
defined('BASEPATH') OR exit('No direct script access allowed');

class user extends CI_Controller {

    public function __construct() {
        parent::__construct();
        $this->load->helper('url');
        $this->load->helper('form');
        $this->load->model('login_model');
        $this->load->model('mahasiswa_model');
        //$this->load->library('session');

        //validasi level
        if($this->session->userdata('level')!="user"){
            redirect('login','refresh');
        }
    }

    public function index()
    {
        $data = array(
            'title'=>'data mahasiswa',
            'mahasiswa'=>$this->mahasiswa_model->datatables()
        );
        $this->load->view('template/header_datatables_user',$data);
        $this->load->view('mahasiswa/user',$data);
        $this->load->view('template/footer_datatables_user');
    }
}

```

4

Buatlah **header\_datatables\_user** dan **footer\_datatables\_user** pada **views/template**

- **header\_datatables\_user**

```

user.php .../controllers user.php .../mahasiswa mahasiswa_model.php header_datatables_user.php x footer_data
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-MCW98/SFNGEB8+JT3GxwE0ngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous">
11
12     <!-- <title>Hello, world!</title> -->
13     <title><? $title ?></title>
14
15     <script src="//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/dt-1.10.13/datatables.min.css"/>
17     <script type="text/javascript" src="https://cdn.datatables.net/v/dt/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         <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(); ?>">About</a>
33                 <a class="nav-item nav-link" href="<? base_url(); ?>login/logout">Logout</a>
34             </div>
35         </div>
36     </div>
37 </nav>

```

Jawaban:

```

<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
<title><? $title ?></title>

<script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
<link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/1.10.16/css/dataTables.bootstrap4.min.css">
<script type="text/javascript" src="https://cdn.datatables.net/v/dt-1.10.16/bz.bootstrap4.min.js"></script>
</head>
<body>
<!-- navbar -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
<div class="container">
<a class="navbar-brand" href="#"> CI </a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarNavAltMarkup">
<div class="navbar-nav">
<a class="nav-item nav-link" href="<?= base_url(); ?>">About</a>
<a class="nav-item nav-link" href="<?= base_url(); ?>">login/logout</a>
</div>
</div>
</div>
</nav>

```

#### • footer\_datatables\_user

```

user.php .../controllers user.php .../mahasiswa mahasiswa_model.php header_datatables_user.php 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" integrity="sha384-ChfqqxuZUCnJSK3
+MXmNIPyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy" crossorigin="anonymous"></script>
7 </body>
8 </html>

```

Jawaban:

```

<script type="text/javascript">
    $(document).ready(function(){
        $('#list_mhs').DataTable();
    })
</script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
</body>
</html>

```

- 5 Tambahkan *code* berikut pada **views/mahasiswa/user**  
Jawaban:

```
<div class="container" style="margin-top:20px">
  <div class="col-md-12">
    <h1 style="text-align: center; margin-bottom:30px">Data Mahasiswa</h1>
  </div>
  <table class="table table-striped table-bordered" id="list_mhs">
    <thead>
      <tr>
        <th>#</th>
        <th>Nama</th>
        <th>Email</th>
        <th>Jurusan</th>
      </tr>
    </thead>
    <tbody>
      <?php
        $sno=1;
        foreach($mahasiswa as $mhs){?>
          <tr>
            <td> <?= $sno++; ?></td>
            <td> <?= $mhs->nama; ?></td>
            <td> <?= $mhs->email; ?></td>
            <td> <?= $mhs->jurusan; ?></td>
          </tr>
        <?php } ?>
      </tbody>
    </table>
  </div>
</div>
```

6      Tambahkan **function** *datatables* pada *mahasiswa\_model*  
**Jawaban:**

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

7      Hasil  
**Jawaban:**

CI   About   Logout

## Data Mahasiswa

Show  entries

Search:

#	Nama	Email	Jurusan
1	Ina	ina@gmail.com	Informatika
2	dino	violet@mail.com	kimia
3	Soni	soni@gmail.com	Mesin
4	Dika	dika@gmail.com	Informatika
5	Dina	dina@gmail.com	Kimia

Showing 1 to 5 of 5 entries

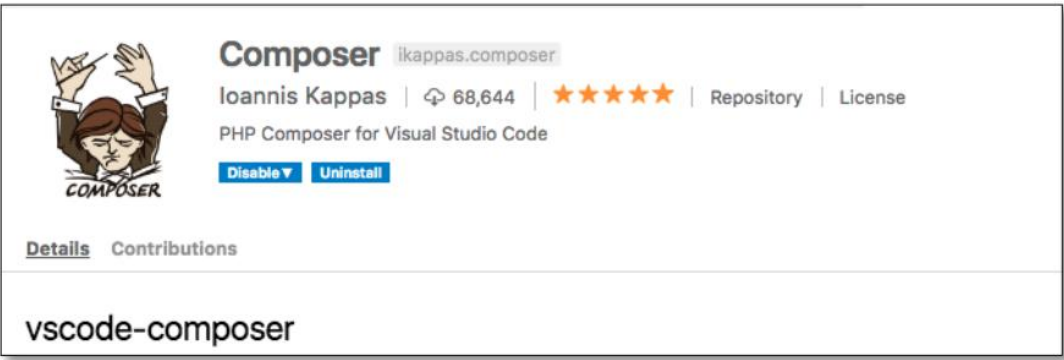
Previous

1

Next

## Praktikum – Bagian 2: Menggunakan DOMPDF dengan CodeIgniter

Langkah	Keterangan
1	<i>Install extensions Composer</i> pada visualCode

	 <p>vscode-composer</p>
2	<p>Konfigurasi composer_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut</p> <p><b>Jawaban:</b></p> <pre>application &gt; config &gt; config.php 138  */ 139  \$config['composer_autoload'] = "vendor/autoload.php";</pre>
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> <p><b>Jawaban:</b></p> <pre>E:\Polinema\PWL\Ampps\www\code_kedua&gt;composer require dompdf/dompdf Deprecation warning: require-dev.mikey179/vfsStream is invalid, it should not contain u eam instead. Make sure you fix this as Composer 2.0 will error. The "https://repo.packagist.org/packages.json" file could not be downloaded: failed to e the connected party did not properly respond after a period of time, or established c led to respond.  https://repo.packagist.org could not be fully loaded, package information was loaded fr Using version ^0.8.5 for dompdf/dompdf ./composer.json has been updated Deprecation warning: require-dev.mikey179/vfsStream is invalid, it should not contain u eam 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 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 myclabs/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 (v4.4.5): Downloading (100%) - Installing doctrine/instantiator (1.3.0): Downloading (100%) - Installing webmozart/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 phpspec/prophecy (v1.10.3): Downloading (100%) - Installing phpunit/php-text-template (1.2.1): Downloading (100%)</pre>
4	<p>Buatlah file php dengan nama pdf.php pada <i>libraries</i></p>

```

application > libraries > pdf.php
1  <?php
2
3  defined('BASEPATH') OR exit('No direct script access allowed');
4  use Dompdf\Dompdf;
5  class Pdf extends Dompdf
6  {
7      /**
8       * PDF filename
9       * @var String
10      */
11      public $filename;
12      public function __construct()
13      {
14          parent::__construct();
15          $this->filename = "laporan.pdf";
16          $this->ci =& get_instance();
17      }
18
19      /**
20       * Get an instance of CodeIgniter
21       * @access protected
22       * @return void
23       */
24      protected function ci()
25      {
26          return get_instance();
27      }
28
29
30      public function load_view($view, $data = array()) {
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  }
39
40  /* End of file Pdf extends Dompdf.php */

```

- 5 Setelah itu kita coba membuat sebuah **function** pada **controller user** dengan nama **laporan\_pdf**

**Jawaban:**

```

application > controllers > user.php
31
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
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          $this->db->select('nama,email,jurusan');
9          $query=$this->db->get('mahasiswa');
10         return $query->result();
11     }

```

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

```

application > views > mahasiswa > laporan.php
49
50
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>

```

- 7 Buka file **header\_datatables\_user.php** dan tambahkan *link* cetak laporan pada navbar *line* 30

**Jawaban:**

```

application > views > template > header_datatables_user.php
20 s="navbar-toggler-icon"></span>
21
22 llapse navbar-collapse" id="navbarNavAltMarkup">
23 vbar-nav">
24 item nav-link" href="<?= base_url(); ?>user/laporan_pdf">Cetak Laporan</a>
25 item nav-link" href="<?= base_url(); ?>login/logout">Logout</a>
26

```

- 8 Jika berhasil maka hasilnya seperti berikut

**Jawaban:**

Report Table 1 / 1

#	Nama	Email	Jurusan
1	Dina	dina@gmail.com	Kimia
2	Dika	dika@gmail.com	Informatika
3	Soni	soni@gmail.com	Mesin
4	dino	violet@mail.com	kimia
5	Ina	ina@gmail.com	Informatika