

# LAPORAN TUGAS PEMROGRAMAN WEB LANJUT

Jobsheet 6  
Data Tables User dan DOM PDF



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

Langkah	Keterangan
1	<p>Tambahkan <i>code</i> berikut pada <b>controller user</b></p> <pre> application &gt; controllers &gt; user.php &gt; user &gt; index 1  &lt;?php 2 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-&gt;load-&gt;helper('url'); 10         \$this-&gt;load-&gt;helper('form'); 11         \$this-&gt;load-&gt;model('login_model'); 12         \$this-&gt;load-&gt;model('mahasiswa_model'); 13 14         if(\$this-&gt;session-&gt;userdata('level')!="user"){ 15             redirect('login','refresh'); 16         } 17     } 18 19     public function index() 20     { 21         \$data=array( 22             'title' =&gt; 'data mahasiswa', 23             'mahasiswa' =&gt; \$this-&gt;mahasiswa_model-&gt;datatables() 24         ); 25         \$this-&gt;load-&gt;view('template/header_datatables_user',\$data); 26         \$this-&gt;load-&gt;view('mahasiswa/user',\$data); 27         \$this-&gt;load-&gt;view('template/footer_datatables_user'); 28     } 29 30 } 31 32 /* End of file user.php */ </pre> <p>Activate Windows Go to Settings to activate Windows</p>
2	<p>Buatlah <b>header_datatables_user</b> dan <b>footer_datatables_user</b> pada <b>views/template</b></p> <ul style="list-style-type: none"> <li><b>header_datatables_user</b></li> </ul> <pre> application &gt; views &gt; template &gt; header_datatables_user.php &gt; html &gt; head 1  &lt;!doctype html&gt; 2  &lt;html lang="en"&gt; 3 4  &lt;head&gt; 5      &lt;!-- Required meta tags --&gt; 6      &lt;meta charset="utf-8"&gt; 7      &lt;meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no"&gt; 8 9      &lt;!-- Bootstrap CSS --&gt; 10     &lt;link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" 11         integrity="sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO" crossorigin="anonymous"&gt; 12 13     &lt;!-- &lt;title&gt;Hello, world!&lt;/title&gt; --&gt; 14     &lt;title&gt;<?= \$title ?&gt;&lt;/title&gt; 15 16     &lt;script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"&gt;&lt;/script&gt; 17     &lt;link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt/dt-1.10.13/datatables.min.css" /&gt; 18     &lt;script type="text/javascript" src="https://cdn.datatables.net/v/dt/dt-1.10.13/datatables.min.js"&gt;&lt;/script&gt; 19 &lt;/head&gt; 20 21 &lt;body&gt; 22     &lt;!-- &lt;navbar&gt; --&gt; 23     &lt;nav class="navbar navbar-expand-lg navbar-light bg-light"&gt; 24         &lt;div class="container"&gt; 25             &lt;a class="navbar-brand" href="#"&gt;CI&lt;/a&gt; 26             &lt;button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup" 27                 aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation"&gt; 28                 &lt;span class="navbar-toggler-icon"&gt;&lt;/span&gt; 29             &lt;/button&gt; 30             &lt;div class="collapse navbar-collapse" id="navbarNavAltMarkup"&gt; 31                 &lt;div class="navbar-nav"&gt; 32                     &lt;!-- &lt;a class="nav-item nav-link" href="#"&gt;Home&lt;/a&gt; --&gt; 33                     &lt;!-- &lt;a class="nav-item nav-link" href="#"&gt;Data Mahasiswa&lt;/a&gt; --&gt; </pre> <p>Activate Windows Go to Settings to activate Windows</p> </pre>

```

application > views > template > header_datatables_user.php > html > head
30 <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
31 <div class="navbar-nav">
32 <!-- <a class="nav-item nav-link" href="<?= base_url(); ?>">Home</a> -->
33 <!-- <a class="nav-item nav-link" href="<?= base_url(); ?>mahasiswa">Data Mahasiswa</a> -->
34 <a class="nav-item nav-link" href="<?= base_url(); ?>">About</a>
35 <a class="nav-item nav-link" href="<?= base_url(); ?>login/logout">Logout</a>
36 <!-- <li class="nav-item">
37 <a class="nav-link disabled" href="#">Disabled</a>
38 </li> -->
39 </div>
40 </div>
41 </div>
42 </nav>

```

- footer\_datatables\_user

```

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/JmZQ5stwEULTy" crossorigin="anonymous">
8 </script>
9 </body>
10
11 </html>

```

3

Tambahkan *code* berikut pada **views/mahasiswa/user**

```

application > views > mahasiswa > user.php > div.container
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>

```

4

Tambahkan *function* **datatables** pada **mahasiswa\_model**

```

application > models > mahasiswa_model.php > mahasiswa_model > cariDataMahasiswa

50     public function datatables() {
51         $query = $this->db->order_by('id','DESC')->get('mahasiswa');
52         return $query->result();
53     }
54
55 }
56
57 /* End of file mahasiswa_model.php */
58

```

5

Hasilnya

data mahasiswa

localhost / 127.0.0.1 / puskesmas

localhost/code-kedua/user

CI About Logout

## Data Mahasiswa

Show 10 entries Search:

#	Nama	Email	Jurusan
1	ani	ani@gmail.com	mesin
2	soni	soni@gmail.com	mesin
3	dika	dika@gmail.com	informatika
4	dina ayu lestari	dina@gmail.com	Teknik Informatika

Showing 1 to 4 of 4 entries Previous 1 Next

## Praktikum – Bagian 2: Menggunakan DOM PDF dengan CodeIgniter

Langkah

Keterangan

1

Install extensions Composer pada visualCode

EXTENSIONS: MARKET... composer

Composer 0.7.1 PHP Composer for Visual Studi... Ioannis Kappas Install

Hyperledger Composer 0.19.12 Hyperledger Composer syntax ... Hyperledger Composer V... Install

Composer Companion 0.2.3 Composer Companion - Script... faelv Install

Composer Ioannis Kappas 88,193 ★★★★★ Repository License

PHP Composer for Visual Studio Code

Details Contributions

2

Konfigurasi composer\_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut

```

application > config > config.php > ...

136 | Note: This will NOT disable or override the CodeIgniter-specific
137 |   autoloading (application/config/autoload.php)
138 */
139 $config['composer_autoload'] = "vendor/autoload.php";
140

```

3

Tambahkan code berikut pada views/mahasiswa/user

```
Windows PowerShell
- 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 mike179/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%)
- 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%)
- 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:\xampp\htdocs\code-kedua>
```

4. Buatlah file php dengan nama pdf.php pada *libraries*

```
application > libraries > pdf.php > PHP Intelphense > Pdf > ci
1  <?php
2
3  defined('BASEPATH') OR exit('No direct script access allowed');
4
5  use Dompdf\Dompdf;
6  class Pdf extends Dompdf {
7      /**
8       * PDF filename
9       * @var String
10      */
11      public $filename;
12      public function __construct()
13      {
14          parent::__construct();
15          $this->filename = "laporan.pdf";
16      }
17      /**
18       * Get an instance of CodeIgniter
19       *
20       * @access protected
21       * @return void
22       */
23      protected function ci() {
24          return get_instance();
25      }
26
27      public function load_view($view, $data = array()) {
28          $html = $this->ci()->load->view($view, $data, TRUE);
29          $this->load_html($html);
30          $this->render();
31          $this->stream($this->filename, array("Attachment" => false));
32      }
33  }
```

	<pre> application &gt; libraries &gt; pdf.php &gt; PHP Intelephense &gt; Pdf &gt; ci 27     public function load_view(\$view, \$data = array()) { 28         \$html = \$this-&gt;ci()-&gt;load-&gt;view(\$view, \$data, TRUE); 29         \$this-&gt;load_html(\$html); 30         \$this-&gt;render(); 31         \$this-&gt;stream(\$this-&gt;filename, array("Attachment" =&gt; false)); 32     } 33 34 35 36     /* End of file Pdf.php */ 37 </pre>
5	<p>Setelah itu kita coba membuat sebuah <b>function</b> pada <b>controller user</b> dengan nama <b>laporan_pdf</b></p> <pre> application &gt; controllers &gt; user.php &gt; PHP Intelephense &gt; user &gt; laporan_pdf 32     public function laporan_pdf() 33     { 34         \$this-&gt;load-&gt;library('pdf'); 35 36         \$data['mahasiswa'] = \$this-&gt;cetak_model-&gt;view(); 37         \$this-&gt;load-&gt;library('pdf'); 38 39         \$this-&gt;pdf-&gt;setPaper('A4', 'potrait'); 40         \$this-&gt;pdf-&gt;filename = "laporan-petanikode.pdf"; 41         \$this-&gt;pdf-&gt;load_view('mahasiswa/laporan', \$data); 42     } 43 </pre>
6	<p>Buat <b>modelnya</b> dengan nama <b>cetak_model.php</b></p> <pre> application &gt; models &gt; cetak_model.php &gt; PHP Intelephense &gt; cetak_model &gt; view 1     &lt;?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-&gt;db-&gt;select('nama,email,jurusan'); 10            \$query = \$this-&gt;db-&gt;get('mahasiswa'); 11            return \$query-&gt;result(); 12        } 13 14    } 15 16    /* End of file cetak_model.php */ 17 </pre> <p>Buat viewnya dengan nama <b>laporan</b> pada folder <b>mahasiswa</b></p>

application > views > mahasiswa > laporan.php > html

```
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: #5E5B5C;
26        }
27
28        thead th {
29            text-align: left;
30            padding: 10px;
31        }
32
33        tbody td {
```

Activate Windows  
Go to Settings to activate

application > views > mahasiswa > laporan.php > html

```
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>
```

Activate Windows  
Go to Settings to activate

```

application > views > mahasiswa > laporan.php > html
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>

```

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

```

application > views > template > header_datatables_user.php > html > body > nav.navbar.navbar-expand-lg.navbar-light.bg-light > div.container >
28     <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
29         <div class="navbar-nav">
30             <!-- <a class="nav-item nav-link" href="{%= base_url(); %}">Home</a> -->
31             <!-- <a class="nav-item nav-link" href="{%= base_url(); %}mahasiswa">Data Mahasiswa</a> -->
32             <!-- <a class="nav-item nav-link" href="{%= base_url(); %}">About</a> -->
33             <a class="nav-item nav-link" href="{%= base_url(); %}user/laporan_pdf">Cetak Laporan</a>
34             <a class="nav-item nav-link" href="{%= base_url(); %}login/logout">Logout</a>
35             <!-- <li class="nav-item">
36                 <a class="nav-link disabled" href="#">Disabled</a>
37             </li> -->
38         </div>
39     </div>
40 </div>
41 </nav>

```

Jika berhasil maka hasilnya seperti berikut





