

LAPORAN PRAKTIKUM  
PEMROGRAMAN WEB LANJUT

Jobsheet 6  
Data Tables User dan DOM Pdf



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## DataTables User dan DOM PDF

### Mata Kuliah Pemrograman WEB Lanjut

Pengampu: Tim Ajar Pemrograman Web Lanjut

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

Langkah	Keterangan
1	<p>Untuk menggunakan DataTables kita menyisipkan DataLabels melalui CDN</p> <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>
2	<p>Ada 2 cara penggunaan datatables yaitu dengan cara <i>online</i> yaitu dengan cara menyisipkan CDN atau dengan cara <i>offline</i> yaitu dengan cara mendownload pada situs <a href="https://datatables.net/">https://datatables.net/</a></p>
3	<p>Tambahkan <i>code</i> berikut pada <i>controller user</i></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 8      public function __construct() 9      { 10         parent::__construct(); 11         //Do your magic here 12         \$this-&gt;load-&gt;helper('url'); 13         \$this-&gt;load-&gt;helper('form'); 14         \$this-&gt;load-&gt;model('login_model'); 15         \$this-&gt;load-&gt;model('mahasiswa_model'); 16         //\$this-&gt;load-&gt;library('session'); 17 18         //validasi level 19         if (\$this-&gt;session-&gt;userdata('level') != "user") { 20             redirect('login', 'refresh'); 21         } 22     } 23 24     public function index() 25     { 26         //\$this-&gt;load-&gt;view('mahasiswa/user'); 27         \$data = array( 28             'title' =&gt; 'data mahasiswa', 29             'mahasiswa' =&gt; \$this-&gt;mahasiswa_model-&gt;datatables() 30         ); 31         \$this-&gt;load-&gt;view('template/header_datatables_user', \$data); 32         \$this-&gt;load-&gt;view('mahasiswa/user', \$data); 33         \$this-&gt;load-&gt;view('template/footer_datatables_user'); 34     } 35 }</pre>

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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 > button.navbar-toggler
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"
11     integrity="sha384-PCw98/SFNG68f7139932709w40Wb09yJ6wDD0s93F14WA6F0wv0hshCEg+S1" crossorigin="anonymous">
12
13     <style>
14         .badge {
15             margin-left: 10px;
16         }
17     </style>
18
19     <!--<title>Hello, world!</title>-->
20     <title>@<title> $title </title>
21
22     <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
23     <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.css" />
24     <script type="text/javascript" src="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.js"></script>
25
26 </head>
27
28 <body>
29
30     <!-- navbar -->
31     <nav class="navbar navbar-expand-lg navbar-light bg-light">
32         <a class="navbar-brand" href="#">CI</a>
33         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup"
34         aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
35
36             <span class="navbar-toggler-icon"></span>
37         </button>
38         <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
39             <div class="navbar-nav">
40                 <!--<a class="nav-item nav-link active" href="#">Home <span class="sr-only">(current)</span></a>-->
41                 <a class="nav-item nav-link" href="#">About</a>
42                 <a class="nav-item nav-link" href="#">login/logout</a>
43                 <!--<a class="nav-item nav-link disabled" href="#">Disabled</a>-->
44             </div>
45         </div>
46     </nav>

```


- `footer_datatables_user`

```

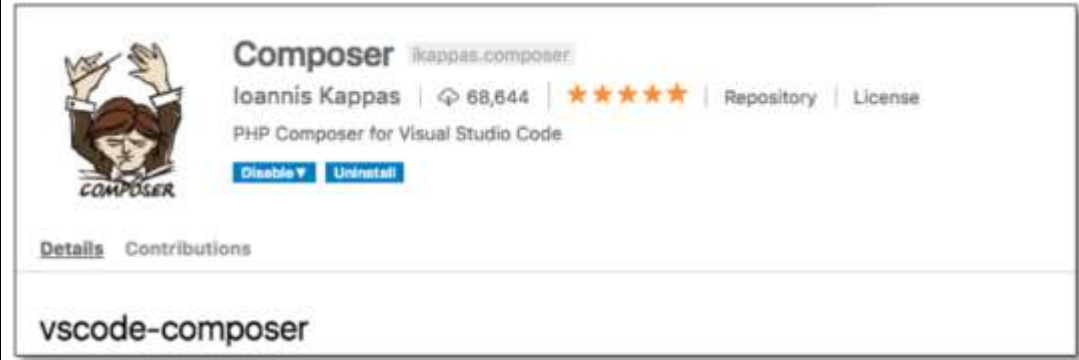
application > views > template > footer_datatables_user.php > script
1  <script type="text/javascript">
2      $(document).ready(function() {
3          $('#list_mhs').DataTable();
4      });
5  </script>
6  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"
7  integrity="sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy"
8  crossorigin="anonymous"></script>
9  </body>
10
11 </html>

```

5	<p>Tambahkan <i>code</i> berikut pada <b>views/mahasiswa/user</b></p> <pre> application &gt; views &gt; mahasiswa &gt; user.php &gt; div.container &gt; table#list_mhs.table.table-striped.table-bordered 1  &lt;div class="container" style="margin-top:20px"&gt; 2      &lt;div class="col-md-12"&gt; 3          &lt;h1 style="text-align:center; margin-bottom:30px"&gt;Data Mahasiswa&lt;/h1&gt; 4      &lt;/div&gt; 5      &lt;table class="table table-striped table-bordered" id="list_mhs"&gt; 6          &lt;thead&gt; 7              &lt;tr&gt; 8                  &lt;th&gt;#&lt;/th&gt; 9                  &lt;th&gt;Nama&lt;/th&gt; 10                 &lt;th&gt;Email&lt;/th&gt; 11                 &lt;th&gt;Jurusan&lt;/th&gt; 12             &lt;/tr&gt; 13         &lt;/thead&gt; 14         &lt;tbody&gt; 15             &lt;?php 16                 \$no = 1; 17                 foreach (\$mahasiswa as \$mhs) { 18                     &lt;tr&gt; 19                         &lt;td&gt; &lt;?= \$no++; &gt;&lt;/td&gt; 20                         &lt;td&gt; &lt;?= \$mhs-&gt;nama; &gt;&lt;/td&gt; 21                         &lt;td&gt; &lt;?= \$mhs-&gt;email; &gt;&lt;/td&gt; 22                         &lt;td&gt; &lt;?= \$mhs-&gt;jurusan; &gt;&lt;/td&gt; 23                     &lt;/tr&gt; 24                 &lt;?php } &gt; 25             &lt;/tbody&gt; 26         &lt;/table&gt; 27     &lt;/div&gt; </pre>
6	<p>Tambahkan <i>function</i> <b>datatables</b> pada <b>mahasiswa_model</b></p> <pre> 58     public function.datatables() 59     { 60         \$query = \$this-&gt;db-&gt;order_by('id', 'DESC')-&gt;get('mahasiswa'); 61         return \$query-&gt;result(); 62     } 63 } 64 </pre>
7	<p>Hasil</p>

	
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## Praktikum – Bagian 2: Menggunakan DOMPDF dengan CodeIgniter

Langkah	Keterangan
1	<p><i>Install extensions Composer</i> pada visualCode</p> 
2	<p>Konfigurasi composer_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut</p> <pre> 138  */ 139  \$config['composer_autoload'] = "vendor/autoload.php"; 140 141  /* </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>

```
PS C:\xampp\htdocs\code-ketiga> composer require dompdf /dompdf
```

OUTPUT TERMINAL ...

1: powershell

```
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-ketiga>
```

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
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          $this->filename = "laporan.pdf";
16      }
17      /**
18       * Get an instance of CodeIgniter
19       *
20       * @access protected
21       * @return void
22       */
23      protected function ci()
24      {
25          return get_instance();
26      }
27
28      public function load_view($view, $data = array())
29      {
30          $html = $this->ci()->load->view($view, $data, TRUE);
31          $this->load_html($html);
32          $this->render();
33          $this->stream($this->filename, array("Attachment" => false));
34      }
35  }
36
37  /* End of file Pdf.php */
38

```

5

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

```

35     public function laporan_pdf(){
36         $this->load->library('pdf');
37
38         $data['mahasiswa']=$this->cetak_model->view();
39         $this->load->library('pdf');
40
41         $this->pdf->setPaper('A4', 'potrait');
42         $this->pdf->filename = "laporan-petanikode.pdf";
43         $this->pdf->load_view('mahasiswa/laporan', $data);
44     }
45
46     /* End of file Controllername.php */
47

```

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
8      public function view()
9      {
10         $this->db->select('nama,email,jurusan');
11         $query = $this->db->get('mahasiswa');
12         return $query->result();
13     }
14 }
15
16 /* End of file cetak_model.php */
17

```

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



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 {
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>

```

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

```

23 <!-- navbar -->
24 <nav class="navbar navbar-expand-lg navbar-light bg-light">
25     <a class="navbar-brand" href="#">P-CITAS</a>
26     <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
27         <span class="navbar-toggler-icon"></span>
28     </button>
29     <div class="collapse navbar-collapse" id="navbarNav">
30         <ul class="navbar-nav">
31             <li><a class="nav-link" href="#">Home</a></li>
32             <li><a class="nav-link" href="#">About</a></li>
33             <li><a class="nav-link" href="#">Contact</a></li>
34             <li><a class="nav-link" href="#">Login</a></li>
35             <li><a class="nav-link" href="#">Logout</a></li>
36         </ul>
37     </div>
38 </nav>

```

8 Jika berhasil maka hasilnya seperti berikut

