

## **Jobsheet 6 : DataTables User dan DOM PDF**

### **Pemograman Web Lanjut**



**POLITEKNIK NEGERI MALANG**

**MARET 2020**

Langkah	Keterangan
1.	<p>Untuk menggunakan DataTables kita menyisipkan DataTabels melalui CDN</p> <pre data-bbox="378 268 1089 415">&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 offline yaitu dengan cara mendownload pada situs <a href="https://datatables.net/">https://datatables.net/</a></p>
3.	<p>Tambahkan <i>code</i> berikut pada <b>controller user</b></p> <pre data-bbox="378 611 1084 1675"> user.php x header_datatables_user.php footer_datatables_user.php aut application &gt; controllers &gt; user.php 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     public function index(){ 19 20         \$data = array( 21             'title' =&gt; 'Data Mahasiswa', 22             'mahasiswa' =&gt; \$this-&gt;mahasiswa_model-&gt;datatables() 23         ); 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     public function laporan_pdf() 31     { 32         \$this-&gt;load-&gt;library('pdf'); 33 34         \$data['mahasiswa'] = \$this-&gt;cetak_model-&gt;view(); 35         \$this-&gt;load-&gt;library('pdf'); 36 37         \$this-&gt;pdf-&gt;setPaper('A4', 'potrait'); 38         \$this-&gt;pdf-&gt;filename = "laporan-data-mahasiswa.pdf"; 39         \$this-&gt;pdf-&gt;load_view('mahasiswa/laporan', \$data); 40     } 41 } ?&gt;</pre>

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

• **header\_datatables\_user**

```
application > views > template > header_datatables_user.php
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" integrity="sha384-NCwOH/SPgyRE8F730Qw6" title=""/>
11 <title></title>
12
13 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
14 <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/1.10.20/css/jquery.dataTables.min.css">
15 <script type="text/javascript" src="https://cdn.datatables.net/1.10.20/js/jquery.dataTables.min.js"></script>
16 </head>
17
18 <body>
19 <nav class="navbar navbar-expand-lg navbar-light bg-light">
20 <div class="container">
21 <a class="navbar-brand" href="#">CI</a>
22 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup"
23 <span class="navbar-toggler-icon"></span>
24 </button>
25 <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
26 <div class="navbar-nav">
27 <li><a class="nav-item nav-link" href="#">Home</a></li>
28 <li><a class="nav-item nav-link" href="#">user/laporan_pdf</a></li>
29 <li><a class="nav-item nav-link" href="#">login/logout</a></li>
30 </div>
31 </div>
32 </nav>
```

• **footer\_datatables\_user**

```
application > views > template > footer_datatables_user.php
1 <script type="text/javascript">
2 $(document).ready(function() {
3 <table>
4 </table>
5 </script>
6
7 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js" integrity="sha384-ChfquzuF730Qw6" title=""/>
8 </body>
9
10 </html>
```

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

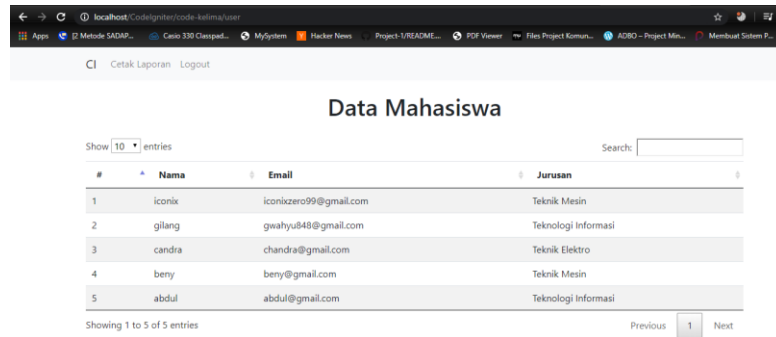
```
application > views > mahasiswa > user.php
1 <div class="container" style="margin-top:20px">
2 <div class="col-md-12">
3 <h1 style="text-align: center; margin-bottom:30px">Data Mahasiswa</h1>
4 </div>
5 <table class="table table-striped table-bordered" id="list_mhs">
6 <thead>
7 <tr>
8 <th>#</th>
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>
```

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

```
53 public function.datatables()
54 {
55 <table>
56 </table>
57
58
59
60 /* End of file mahasiswa_model.php */
```

7.

## Hasil



The screenshot shows a web browser window with the address bar displaying 'localhost:CodeIgniter/code-kelema/user'. The browser's tab bar includes several open tabs: 'Metode SADAP...', 'Casio 330 Classpad...', 'MySystem', 'Hacker News', 'Project 1/README...', 'PDF Viewer', 'Files Project Komut...', 'ADBO - Project Min...', and 'Membuat Sistem P...'. The browser's address bar also shows 'Cetak Laporan' and 'Logout' links. The main content area of the browser displays a table titled 'Data Mahasiswa'. The table has four columns: '#', 'Nama', 'Email', and 'Jurusan'. It contains five rows of student data. Above the table, there is a search bar and a 'Show 10 entries' dropdown menu. Below the table, there is a pagination bar showing 'Showing 1 to 5 of 5 entries' and 'Previous 1 Next'.

#	Nama	Email	Jurusan
1	iconix	iconixzero99@gmail.com	Teknik Mesin
2	gilang	gwahyu849@gmail.com	Teknologi Informasi
3	candra	chandra@gmail.com	Teknik Elektro
4	beny	beny@gmail.com	Teknik Mesin
5	abdul	abdul@gmail.com	Teknologi Informasi



4.

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

```
config.php pdf.php x mahasiswa_model.php cetak_model.php
application > libraries > pdf.php
1  <?php
2
3  use Dompdf\Dompdf;
4
5  class Pdf extends Dompdf
6  {
7      public $filename;
8      public function __construct()
9      {
10         parent::__construct();
11         $this->filename = "laporan.pdf";
12     }
13
14     protected function ci()
15     {
16         return get_instance();
17     }
18
19     public function load_view($view, $data = array())
20     {
21         $html = $this->ci()->load->view($view, $data, TRUE);
22         $this->load_html($html);
23         $this->render();
24         $this->stream($this->filename, array("Attachment" => false));
25     }
26 }
```

5.

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

```
29     public function laporan_pdf()
30     {
31         $this->load->library('pdf');
32
33         $data['mahasiswa'] = $this->cetak_model->view();
34         $this->load->library('pdf');
35
36         $this->pdf->setPaper('A4', 'potrait');
37         $this->pdf->filename = "laporan-data-mahasiswa.pdf";
38         $this->pdf->load_view('mahasiswa/laporan', $data);
39     }
40 }
41 ?>
```

6.

Buat **modelnya** dengan nama **cetak\_model.php**

```
p      header_datatables_user.php      footer_datatables_user.php
application > models > cetak_model.php
1      <?php
2
3      class cetak_model extends CI_Model
4      {
5          public function view()
6          {
7              $this->db->select('nama,email,jurusan');
8              $query = $this->db->get('mahasiswa');
9              return $query->result();
10         }
11     }
```

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

```
atatables_user.php      footer_datatables_user.php      config.php      pdf.php      mahasis
application > views > mahasiswa > laporan.php
1      <!DOCTYPE html>
2      <html lang="en">
3
4      <head>
5          <meta charset="UTF-8">
6          <meta name="viewport" content="width=device-width, initial-scale=1.0">
7          <title>Report Table</title>
8          <style type="text/css">
9              #outtable {
10                  padding: 20px;
11                  border: 1px solid #e3e3e3;
12                  width: 600px;
13                  border-radius: 5px;
14              }
15
16              .short {
17                  width: 50px;
18              }
19
20              .normal {
21                  width: 150px;
22              }
23
24              table {
25                  border-collapse: collapse;
26                  font-family: Arial, Helvetica, sans-serif;
27                  color: #5e5b5c;
28              }
29
```

```
atatables_user.php  footer_datatables_user.php  config.php
application > views > mahasiswa > laporan.php
28     }
29
30     thead th {
31         text-align: left;
32         padding: 10px;
33     }
34
35     tbody td {
36         border-top: 1px solid #e3e3e3;
37         padding: 10px;
38     }
39
40     tbody tr:nth-child(even) {
41         background: #f6f5fa;
42     }
43
44     tbody tr:hover {
45         background: #eae9f5;
46     }
47 </style>
48 </head>
49
```

```
atatables_user.php  footer_datatables_user.php  config.php  pdf.php
application > views > mahasiswa > laporan.php
50 <body>
51 <div id="outtable">
52 <table>
53 <thead>
54 <tr>
55 <th class="short">#</th>
56 <th class="normal">Nama</th>
57 <th class="normal">Email</th>
58 <th class="normal">Jurusan</th>
59 </tr>
60 </thead>
61 <tbody>
62 <?php $no = 1;
63 foreach ($mahasiswa as $user) : ?>
64 <tr>
65 <td><?php echo $no; ?></td>
66 <td><?php echo $user->nama; ?></td>
67 <td><?php echo $user->email; ?></td>
68 <td><?php echo $user->jurusan; ?></td>
69 </tr>
70 <?php $no++;
71 endforeach; ?>
72 </tbody>
73 </table>
74 </div>
75 </body>
76
77 </html>
```



7.

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

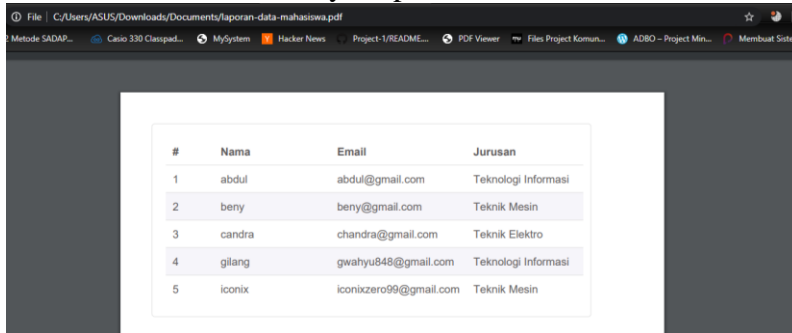
```

25         <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
26         <div class="navbar-nav">
27             <li><a class="nav-item nav-link" href="{%- base_url(); %}>home</a><span class="sr-only">{current}</s
28             <a class="nav-item nav-link" href="{%- base_url(); %}>user/laporan_pdf</a>Cetak Laporan</a>
29             <a class="nav-item nav-link" href="{%- base_url(); %}>login/logout</a>logout</a>
30         </div>
31     </div>
32 </div>
33 </nav>

```

8.

Jika berhasil maka hasilnya seperti berikut



The screenshot shows a web browser window with a table of student data. The table has four columns: #, Nama, Email, and Jurusan. There are five rows of data. The browser's address bar shows the file path: C:/Users/ASUS/Downloads/Documents/laporan-data-mahasiswa.pdf. The browser's taskbar shows several open applications: Metode SADAP..., Casio 330 Classpad..., MySystem, Hacker News, Project-1/README..., PDF Viewer, Files Project Komun..., ADBO - Project Min..., and Membuat Sistem.

#	Nama	Email	Jurusan
1	abdul	abdul@gmail.com	Teknologi Informasi
2	beny	beny@gmail.com	Teknik Mesin
3	candra	chandra@gmail.com	Teknik Elektro
4	gilang	gwahyu848@gmail.com	Teknologi Informasi
5	iconix	iconixzero99@gmail.com	Teknik Mesin