

LAPORAN JOOBSHEET 6

(DataTables User dan DOMPDF)

Disusun sebagai

MATA KULIAH :

Pemrograman Web Lanjut



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Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User

Tambahkan *code* berikut pada **controller user**

```
application > controllers > User.php
1  <?php
2  defined('BASEPATH') OR exit('No direct script access allowed');
3
4  class User extends CI_Controller {
5
6      public function __construct()
7      {
8          parent::__construct();
9          $this->load->helper('url');
10         $this->load->helper('form');
11         $this->load->model('login_model');
12         $this->load->model('mahasiswa_model');
13
14         if($this->session->userdata('level')!="user"){
15             redirect('login', 'refresh');
16         }
17     }
18
19     public function index(){
20
21         $data= array(
22             'title'=>'data mahasiswa',
23             'mahasiswa'=>$this->mahasiswa_model->datatables()
24         );
25         $this->load->view('template/header_datatables_user',$data);
26         $this->load->view('mahasiswa/user');
27         $this->load->view('template/footer_datatables_user');
28     }
29 }
30
31 /* End of file User.php */
32 ?>
```

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  <head>
4      <meta charset="utf-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
6
7      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha384-MCw98/SFng68fJTzIGSw6p4sYb9Eq2g3Uuq0TY7MiGrZv4e007zX1u0v5Uk2v" crossorigin="anonymous">
8
9      <title><? $title ?></title>
10
11      <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
12      <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.css"/>
13      <script type="text/javascript" src="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.js"></script>
14  </head>
15  <body>
16      <nav 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
24              <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
25                  <div class="navbar-nav">
26                      <a class="nav-item nav-link" href="#"> About </a>
27                      <a class="nav-item nav-link" href="#"> login/logout > Logout </a>
28                      <!-- <a class="nav-item nav-link disabled" href="#"> Disabled </a> -->
29                  </div>
30              </div>
31          </div>
32      </nav>
```

• 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-ChfqqxuZUCnPMK2lBtMvUW/f4QY8vQW/f3q24MZ0mUcx2v/OX0S7EC+3rxu26fYQJc" crossorigin="anonymous"></script>
10
11  </html>
```

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>
```

Tambahkan **function** *datatables* pada **mahasiswa_model**

```
44     public function.datatables(){
45         $query = $this->db->order_by('id', 'DESC')->get('mahasiswa');
46         return $query->result();
47     }
48 }
```

Hasil

← → ↺ ⌂ localhost/ci/codekelima/user 🔍 ☆ ⚙️ 👤 ⋮

Ci Cetak Laporan Logout

Data Mahasiswa

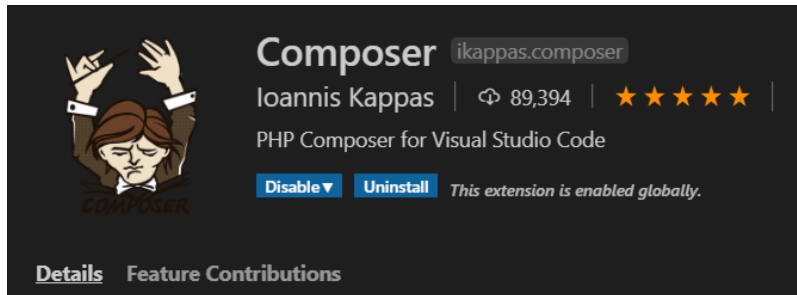
Show entries Search:

#	Nama	Email	Jurusan
1	mm	violet@gmail.com	Teknik Informatika
2	mopeko	mopeko@gmail.com	Mesin
3	oazayakan	hgsacdsahgdjkeyu@gmail.com	Kimia
4	facko	fackoellanda89@gmail.com	Informatika
5	soni	soni@gmail.com	mesin
6	dika	dika@gmail.com	informatika
7	soblem	dina@gmail.com	Teknik Informatika

Showing 1 to 7 of 7 entries Previous **1** Next

Praktikum – Bagian 2: Menggunakan DOMPdf dengan CodeIgniter

Install extensions Composer pada visualCode



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

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

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

```
Updating dependencies (including require-dev)
Package operations: 31 installs, 0 updates, 0 removals
- Installing mikey179/vfsstream (v1.1.0): Downloading (100%)
- 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 (v0.8.3): Downloading (100%)
- Installing myclabs/deep-copy (1.7.0): 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 (v3.4.38): Downloading (100%)
- Installing doctrine/instantiator (1.0.5): Downloading (100%)
- Installing webmozart/assert (1.7.0): Downloading (100%)
- Installing phpdocumentor/reflection-common (1.0.1): Downloading (100%)
- Installing phpdocumentor/type-resolver (0.4.0): Downloading (100%)
- Installing phpdocumentor/reflection-docblock (3.3.2): 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 (1.4.12): 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 suggests installing phpunit/php-code-coverage (*)
```

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

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

Setelah itu kita coba membuat sebuah **function** pada **controller user** dengan nama **laporan_pdf**

```
30     public function laporan_pdf(){
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-petanikode.pdf";
38         $this->pdf->load_view('mahasiswa/laporan', $data);
39     }
40
41 }
```

Buat **modelnya** dengan nama **cetak_model.php**

```
application > models > cetak_model.php
1 <?php
2 defined('BASEPATH') OR exit('No direct script access allowed');
3
4 class Cetak_model extends CI_Model {
5
6     public function view()
7     {
8         $this->db->select('nama,email,jurusan');
9         $query = $this->db->get('mahasiswa');
10        return $query->result();
11    }
12
13 }
```

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

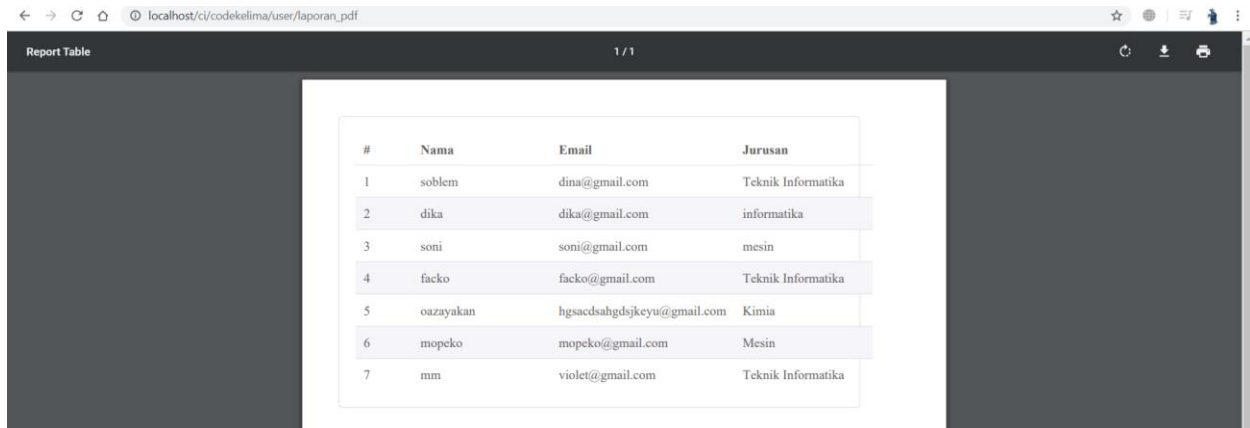
```
application > views > mahasiswa > laporan.php
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Report Table</title>
5 <style type="text/css">
6     #outtable{
7         padding: 20px;
8         border:1px solid #e3e3e3;
9         width: 600px;
10        border-radius: 5px;
11    }
12    .short{
13        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">
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>
```

Buka file **header_datatables_user.php** dan tambahkan *link* cetak laporan pada navbar *line* 26

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

Hasil



The screenshot shows a web browser window with the address bar displaying 'localhost/ci/codekelima/user/laporan_pdf'. The page title is 'Report Table'. The main content area displays a table with 7 rows of user data. The table has four columns: '#', 'Nama', 'Email', and 'Jurusan'. The rows are numbered 1 through 7. The first row shows 'sobleM' with email 'dina@gmail.com' and 'Teknik Informatika'. The second row shows 'dika' with email 'dika@gmail.com' and 'informatika'. The third row shows 'soni' with email 'soni@gmail.com' and 'mesin'. The fourth row shows 'facko' with email 'facko@gmail.com' and 'Teknik Informatika'. The fifth row shows 'oazayakan' with email 'hgsacdsahgdsjkeyu@gmail.com' and 'Kimia'. The sixth row shows 'mopeko' with email 'mopeko@gmail.com' and 'Mesin'. The seventh row shows 'mm' with email 'violet@gmail.com' and 'Teknik Informatika'.

#	Nama	Email	Jurusan
1	sobleM	dina@gmail.com	Teknik Informatika
2	dika	dika@gmail.com	informatika
3	soni	soni@gmail.com	mesin
4	facko	facko@gmail.com	Teknik Informatika
5	oazayakan	hgsacdsahgdsjkeyu@gmail.com	Kimia
6	mopeko	mopeko@gmail.com	Mesin
7	mm	violet@gmail.com	Teknik Informatika