



LAPORAN PRAKTIKUM PEMROGRAMAN DASAR WEB

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Kelas : TI 2B
Isi Laporan : DataTables User dan DOM PDF

Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User

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

| | |
|---|--|
| | <pre> application > controllers > user.php > user > index 4 class user extends CI_Controller 5 { 6 7 public function __construct() 8 { 9 parent::__construct(); 10 \$this->load->helper('url'); 11 \$this->load->helper('form'); 12 \$this->load->model('login_model'); 13 \$this->load->library('form_validation'); 14 15 //validasi level 16 if (\$this->session->userdata('level') != "user") { 17 redirect('login', 'refresh'); 18 } 19 } 20 21 public function index() 22 { 23 \$data = array(24 'title' => 'data mahasiswa', 25 'mahasiswa' => \$this->mahasiswa_model->datatables() 26); 27 \$this->load->view('template/header_datatables_user', \$data); 28 \$this->load->view('mahasiswa/user', \$data); 29 \$this->load->view('template/footer_datatables_user', \$data); 30 } 31 } </pre> |
| 4 | <p>Buatlah header_datatables_user dan footer_datatables_user pada views/template</p> <ul style="list-style-type: none"> • header_datatables_user |

```

application > views > template > header_datatables_user.php > html > body > nav.navbar.navbar-expand-lg.navbar-light.bg-light > div.container > bu
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <!-- Required meta tags -->
6
7     <meta charset="utf-8">
8     <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
9
10    <!-- Bootstrap CSS -->
11    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css" integrity="sha38
12
13    <!-- style css -->
14    <style>
15        .badge {
16            margin-left: 3px;
17        }
18    </style>
19    <title><? $title ?></title>
20    <script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
21    <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt/dt-1.10.13/datatables.min.css" />
22    <script type="text/javascript" src="https://cdn.datatables.net/v/dt/dt-1.10.13/datatables.min.js"></script>
23 </head>
24
25 <body>
26     <!-- navbar -->
27     <nav class="navbar navbar-expand-lg navbar-light bg-light">
28         <div class="container">
29             <a class="navbar-brand" href="#">CI</a>
30             <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNav" aria-controls="nav
31                 <span class="navbar-toggler-icon"></span>
32             </button>

```

• footer_datatables_user

```

application > views > template > footer_datatables_user.php > script
1 <script type="text/javascript">
2     $(document).ready(function() {
3         $('#myTable').DataTable();
4     });
5 </script>
6 <script src="https://stackpath.bootstrapcdn.com/bootstr
7 </body>
8
9 </html>

```

5

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

| | |
|---|--|
| | <pre> 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> 28 </pre> |
| 6 | <p>Tambahkan <i>function</i> datatables pada mahasiswa_model</p> <pre> 58 public function.datatables() 59 { 60 \$query = \$this->db->order_by('id', 'DESC')->get('mahasiswa'); 61 return \$query->result(); 62 } 63 64 </pre> |
| 7 | Hasil |

CI

Cetak Laporan

Logout

Data Mahasiswa

Show

10

entries

Search:

| # | Nama | Email | Jurusan |
|---|----------------|---------------------------|--------------------|
| 1 | NingHanifah | Hanifah110498@gmail.com | 1 |
| 2 | violet | S.tan97@gmail.com | 3 |
| 3 | violet | S.tan97@gmail.com | 3 |
| 4 | NingHanifah | Ning_hanifah987@gmail.com | 2 |
| 5 | Nur Hanifah | Hanifah110498@gmail.com | 2 |
| 6 | hanifah | Ning_hanifah987@gmail.com | 2 |
| 7 | Silvi | silviS7@gmail.com | Teknik Informatika |
| 8 | Hanifah cantik | hanifah97@gmail.com | Teknik Informatika |

Showing 1 to 8 of 8 entries

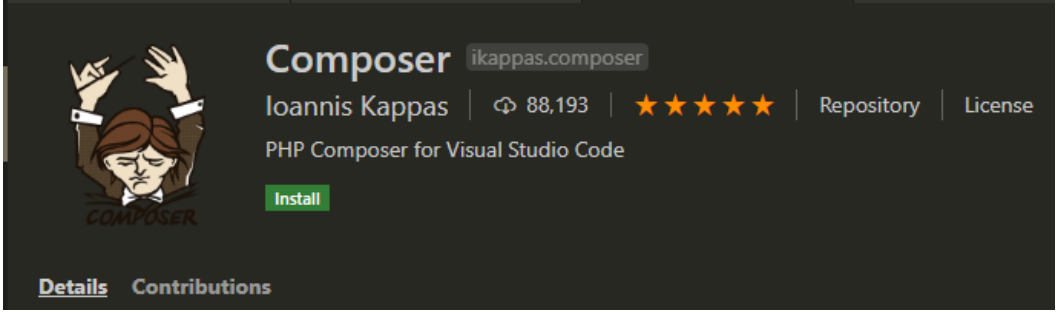
Previous

1

Next

Praktikum – Bagian 2: Menggunakan DOMPDF dengan CodeIgniter

Dompdf merupakan salah satu *library* PHP untuk membuat PDF. Dompdf membuat PDF dari HTML, sehingga memudahkan *Programmer* yang biasa menggunakan CSS didalamnya.

| 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> <pre>composer require dompdf/dompdf</pre> |

| | |
|---|--|
| | <pre>PS C:\xampp\htdocs\belajarci2> composer show Deprecation warning: require-dev.mikey179/vfsStream is invalid, it should not contain uppercase characters. Please use mikey179/vfsstream instead. Make sure you fix this as Composer 2.0 will error. No dependencies installed. Try running composer install or update. PS C:\xampp\htdocs\belajarci2> composer require dompdf/dompdf Deprecation warning: require-dev.mikey179/vfsStream is invalid, it should not contain uppercase characters. Please use mikey179/vfsstream instead. Make sure you fix this as Composer 2.0 will error. PHP temp directory (C:\Users\ASUS44-1\AppData\Local\Temp) does not exist or is not writable to Composer. Set sys_temp_dir in your php.ini 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 uppercase characters. Please use mikey179/vfsstream 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 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\belajarci2></pre> |
| 4 | Buatlah file php dengan nama pdf.php pada <i>libraries</i> |

```

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       * PDF filename
7       * @var String
8       */
9      public $filename;
10     public function __construct(){
11         parent::__construct();
12         $this->filename = "laporan.pdf";
13     }
14     /**
15      * Get an instance of CodeIgniter
16      *
17      * @access protected
18      * @return void
19      */
20     protected function ci()
21     {
22         return get_instance();
23     }
24
25
26     public function load_view($view, $data = array()){
27         $html = $this->ci()->load->view($view, $data, TRUE);
28         $this->load_html($html);
29         //Render the pdf
30         $this->render();
31         //Output the generated PDF to Browser
32         $this->stream($this->filename, array("Attachment"=> false));
33     }

```

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

| | |
|---|---|
| | <pre> application > controllers > user.php > ... 33 34 public function laporan_pdf(){ 35 \$this->load->library('pdf'); 36 37 \$data['mahasiswa'] = \$this->cetak_model->view(); 38 \$this->load->library('pdf'); 39 40 \$this->pdf->setPaper('A4', 'potrait'); 41 \$this->pdf->filename = "laporan-petanikode.pdf"; 42 \$this->pdf->load_view('mahasiswa/laporan', \$data); 43 } 44 } 45 ?> </pre> |
| 6 | <p>Buat modelnya dengan nama cetak_model.php</p> <pre> 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 14 15 16 ?> </pre> <p>Buat viewnya dengan nama laporan pada folder mahasiswa</p> |

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     }
```

| | |
|---|---|
| | <pre> application > views > mahasiswa > laporan.php > ... 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> </pre> |
| 7 | <p>Buka file header_datatables_user.php dan tambahkan <i>link</i> cetak laporan pada navbar <i>line 30</i></p> <pre> 28 <div class="collapse navbar-collapse" id="navbarNavAltMarkup"> 29 <div class="navbar-nav"> 30 <!-- <a class="nav-item nav-link" href="<?= base_url(); ?>">Home --> 31 <!-- <a class="nav-item nav-link" href="<?= base_url(); ?>mahasiswa">Data Mahasiswa --> 32 <!-- <a class="nav-item nav-link" href="<?= base_url(); ?>">About --> 33 <a class="nav-item nav-link" href="<?= base_url(); ?>user/laporan_pdf">Cetak Laporan 34 <a class="nav-item nav-link" href="<?= base_url(); ?>login/logout">Logout 35 <!-- <li class="nav-item"> 36 Disabled 37 --> 38 </div> 39 </div> 40 </div> 41 </nav> </pre> |
| 8 | <p>Jika berhasil maka hasilnya seperti berikut</p> |

| # | Nama | Email | Jurusan |
|---|----------------|---------------------------|--------------------|
| 1 | Hanifah cantik | hanifah97@gmail.com | Teknik Informatika |
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-- Selamat Mengerjakan --