LAPORAN PRAKTIKUM
Web Lanjut

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Kelas	**: TI 2B**
Isi Laporan	**: Jobsheet-6 : DataTables User dan DOM PDF**

Bagian 1

Langkah	Keterangan

1	Untuk menggunakan DataTables kita menyisipkan DataTabels melalui CDN
	
	``html
	<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>
	``

2	Ada 2 cara penggunaan datatables yaitu dengan cara *online* yaitu dengan cara menyisipkan CDN atau dengan cara offline yaitu dengan cara mendownload pada situs https://datatables.net/
3	Tambahkan *code* berikut pada **controller user**

```php
public function __construct()
{
    parent::__construct();
    $this->load->helper('url');
    $this->load->helper('form');
    $this->load->model('login_model');
    $this->load->model('mahasiswa_model')
    //$this->load->library('session');

    //validasi level
    if ($this->session->userdata('level')!="user") {
            redirect('login','refresh');
        }
}

public function index()
{
    $data=array(
    'title'=>'data mahasiswa',
    'mahasiswa'=>$this->mahasiswa_model->datatables()
);
    $this->load->view('template/header_datatables_user',$data);
    $this->load->view('mahasiswa/user',$data);
    $this->load->view('template/footer_datatables_user');


}
```

4	Buatlah **header_datatabels_user** dan **footer_datatabels_user** pada **views/template**
	• **header_datatabels_user**

```
header_datatabels_user.php ×    header.php ×    header_login.php ×

1   <!DOCTYPE html>
2   <html lang="en">
3       <head>
4           <!-- Required meta tags -->
5           <meta charset="utf-8">
6           <meta name="viewport" content="width=device-width, initial-scale=1,
                shrink-to-fit=no">
7
8           <!-- Bootstrap CSS -->
9           <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/
                bootstrap/4.1.3/css/bootstrap.min.css" integrity="
                sha384-MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
                crossorigin="anonymous">
10
11          <!-- <title> Hello, World!</title> -->
12          <title><?=$title?></title>
13
14              <script src="//ajax.googleapis.com/ajax/libs/
                    jquery/1.10.2/jquery.min.js"></script>
15              <link rel="stylesheet" type="text/css" href="
                    https://cdn.datatables.net/v/dt/dt-1.10.13/datatables.min.css"/>
16
17              <script type="text/javascript" src="https://cdn.datatables.net/v/dt/
                    dt-1.10.13/datatables.min.js"></script>
18      </head>
19      <body>
20          <nav class="navbar navbar-expand-lg navbar-light bg-light">
21              <div class="container">
22                  <a class="navbar-brand" href="#">CI</a>
23                  <button class="navbar-toggler" type="button" data-toggle="
                        collapse" data-target="#navbarNav" aria-controls="navbarNav"
                        aria-expanded="false" aria-label="Toggle navigation">
24      <span class="navbar-toggler-icon"></span>
25  </button>
26  <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
27      <div class="navbar-nav">
28          <!-- <a class="nav-item nav-link" href="<?=base_url();?>
                home">Home</a> -->
29          <a class="nav-item nav-link" href="<?=base_url();?>">About</a>
30          <a class="nav-item nav-link" href="<?=base_url();?>login/logout">
                Logout</a>
```

- **footer_datatables_user**

```
hea    footer_datatabels_user.php ×    header.php ×    header_login.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" integrity="
        sha384-ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/
        JmZQ5stwEULTy" crossorigin="anonymous"></script>
7       </body>
8   </html>
```
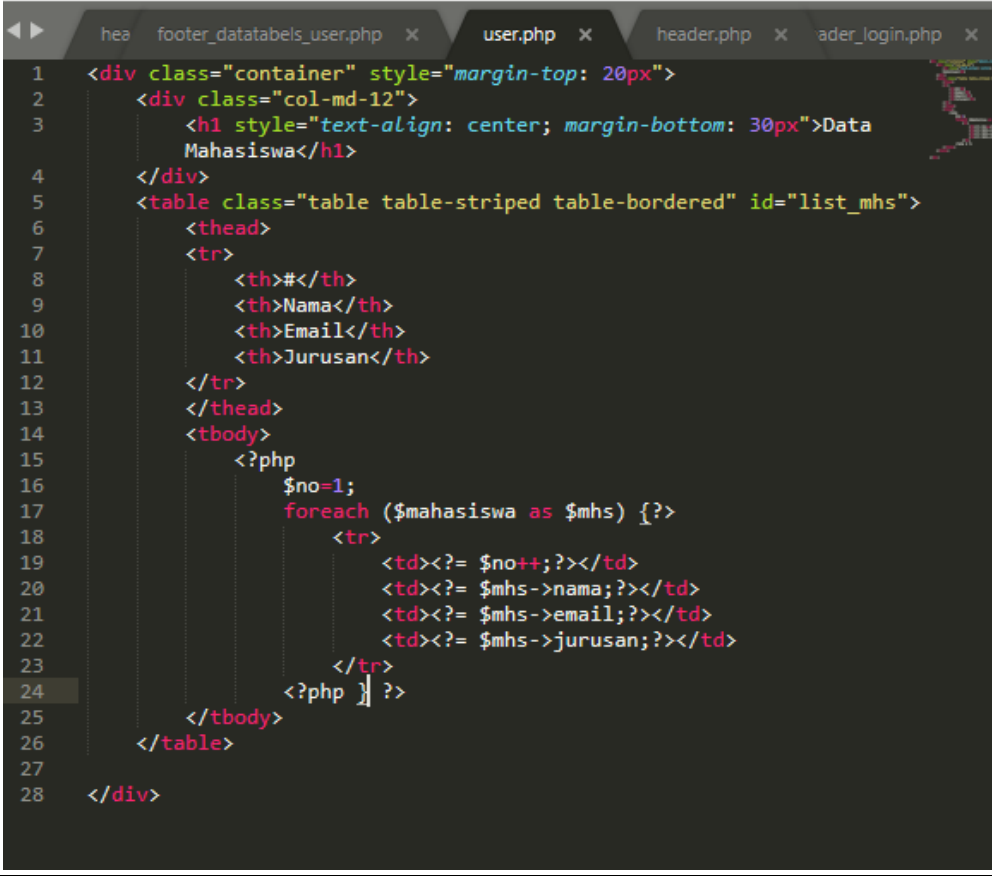
| 5 | Tambahkan *code* berikut pada **views/mahasiswa/user** |

```
    hea    footer_datatabels_user.php  ✕    user.php  ✕    header.php  ✕  ader_login.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
28   </div>
```

6	Tambahkan *function* datatabels pada **mahasiswa_model**
|   | ```php
public function datatabels(){
    $query=$this->db->order_by('id','DESC')->get('mahasiswa');
    return $query->result();
}
}
``` |
| 7 | Hasil |

Bagian 2

Langkah	Keterangan
1	*Install extensions Composer* pada visualCode
2	Konfigurasi composer_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut `$config['composer_autoload'] = "vendor/autoload.php";`

3	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
| | ```
PS C:\xampp2\htdocs\belajarci2>



                    composer show
Deprecation warning: require-dev.mikey179/vfsStream is invalid, it should not contain uppercase characters. Please use mikey179/vfsstream instea
d. Make sure you fix this as Composer 2.0 will error.
No dependencies installed. Try running composer install or update.
PS C:\xampp2\htdocs\belajarci2> composer require dompdf/dompdf
Deprecation warning: require-dev.mikey179/vfsStream is invalid, it should not contain uppercase characters. Please use mikey179/vfsstream instea
d. Make sure you fix this as Composer 2.0 will error.
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 instea
d. 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 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 (1.0.1): Downloading (100%)
  - Installing phpdocumentor/reflection-docblock (4.3.4): 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:\xampp2\htdocs\belajarci2>
``` |
| 4 | Buatlah file php dengan nama pdf.php pada *libraries* |

```php
<?php defined('BASEPATH') OR exit('No direct script access allowed');

use Dompdf\Dompdf;
class Pdf extends Dompdf{
    /**
     * PDF filename
     * @var String
     */
    public $filename;
    public function __construct(){
        parent::__construct();
        $this->filename = "laporan.pdf";
    }
    /**
     * Get an instance of CodeIgniter
     *
     * @access  protected
     * @return  void
     */
    protected function ci()
    {
        return get_instance();

    }

    public function load_view($view, $data = array()){
        $html = $this->ci()->load->view($view, $data, TRUE);
        $this->load_html($html);
        //Render the pdf
        $this->render();
        //Output the generated PDF to Browser
        $this->stream($this->filename, array("Attachment"=> false));
    }
```

5	Setelah itu kita coba membuat sebuah **function** pada **controller user** dengan nama **laporan_pdf**
	
	``php
	public function laporan_pdf(){
	    $this->load->library('pdf');
	
	    $data['mahasiswa']= $this->cetak_model->view();
	    $this->load->library('pdf');
	
	    $this->pdf->setPaper('A4', 'potrait');
	    $this->pdf->filename = "laporan-petanikode.pdf";
	    $this->pdf->load_view('mahasiswa/laporan', $data);
	
	}
	``

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

```php
<?php
defined('BASEPATH')OR exit('No direct script access allowed');

class cetak_model extends CI_Model{

    public function view(){

        $this->db->select('nama,email,jurusan');
        $query=$this->db->get('mahasiswa');
        return $query->result();
    }
}

?>
```

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

```html
<!DOCTYPE html>
<html>
<head>
    <title>Report Table</title>
    <style type="text/css">
        #outtable{
            padding: 20px;
            border: 1px solid #e3e3e3;
            width:600px;
            border-radius: 5px;
        }
        .short{
            width:50px;
        }
        .normal{
            width:150px;
        }
        table{
            border-collapse: collapse;
            font-family: arial;
            color:#5e5b5c;
        }
        thead th{
            text-align:left;
            padding: 10px;
        }
        tbody td{
            border-top: 1px solid #e3e3e3;
            padding: 10px;
        }
        tbody tr:nth-child(even){
            background: #f6f5fa;
        }
```

```
                tbody tr:hover{
                    background: #eae9f5;
                }
        </style>
        </head>
        <body>
        <!-- In production server. if you choose this, then comment the local server anduncoment this one -->
        <!-- <img src="<?php //echo $_SERVER['DOCUMENT_ROOT']. "/media/dist/img/no-signal.png";?>" alt=""> -->
        <!-- In your local server -->
        <!-- <img src="<?php echo $_SERVER['DOCUMENT_ROOT']. "/ci-dompdf/media/dist/img/no-signal.png";?>" alt="">-->
            <div id="outtable">
                <table>
                <thead>
                    <tr>
                        <th class="short">#</th>
                        <th class="normal">Nama</th>
                        <th class="normal">Email</th>
                        <th class="normal">Jurusan</th>
                    </tr>
                <thead>
                <tbody>
                    <?php $no=1;?>
                    <?php foreach($mahasiswa as $user):?>
                    <tr>
                        <td><?php echo $no; ?></td>
                        <td><?php echo $user->nama; ?></td>
                        <td><?php echo $user->email; ?></td>
                        <td><?php echo $user->jurusan; ?></td>
                    </tr>
                    <?php $no++;?>
                    <?php endforeach;?>
                </tbody>
            </tbody>
        </table>
    </div>
</body>
</html>
```

| 7 | Buka file **header_datatabels_user.php** dan tambahkan *link* cetak laporan pada navbar *line* 30 |
```
<div class="collapse navbar-collapse" id="navbarNavAltMarkup">
    <div class="navbar-nav">
        <!-- <a class="nav-item nav-link" href="<?=base_url();?>home">Home</a> -->
        <a class="nav-item nav-link" href="<?=base_url();?>user/laporan_pdf">Cetak Laporan</a>
        <a class="nav-item nav-link" href="<?=base_url();?>login/logout">Logout</a>
    </div>
```

| 8 | Jika berhasil maka hasilnya seperti berikut |

Report Table			1/1

#	Nama	Email	Jurusan
1	Dina Lisuardi ni	lisuardidina@gmail.com	Teknik Mesin
2	Nur Hanifah	nurhanifah@gmail.com	Informatika
3	Anisa Piranty	anisapiranty@gmail.com	Mesin
4	Lisuardi	lisuardi@gmail.com	1
5	dinal	lisuardidina@gmail.com	2
6	hanifah	nurhanifah@gmail.com	3
7	nur	nur@gmail.com	1
8	lis	lisuardidina@gmail.com	2
9	hanifah nur	hanifah@gmail.com	1
10	osa	osa@gmail.com	1
11	osa mahanani	osa@gmail.com	2

header_datatabels....php   laporan.php   BahanPraktikum6.zip Removed   Jobsheet 6.pdf   Show all