LAPORAN PRAKTIKUM 6 PWL

DataTables User dan DOM PDF

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TI 2B

TEKNIK INFORMATIKA

TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

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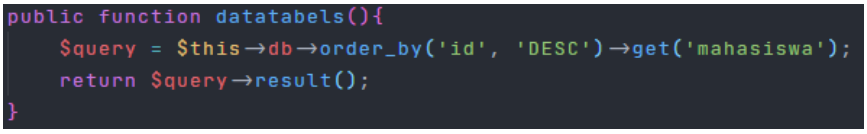
Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User

1	Menambahkan CDN datatables
	
	`<link rel="stylesheet" src="https://cdn.datatables.net/1.10.20/css/jquery.dataTables.min.css">`
	`<script type="text/javascript" src="https://cdn.datatables.net/1.10.20/js/jquery.dataTables.min.js"></script>`

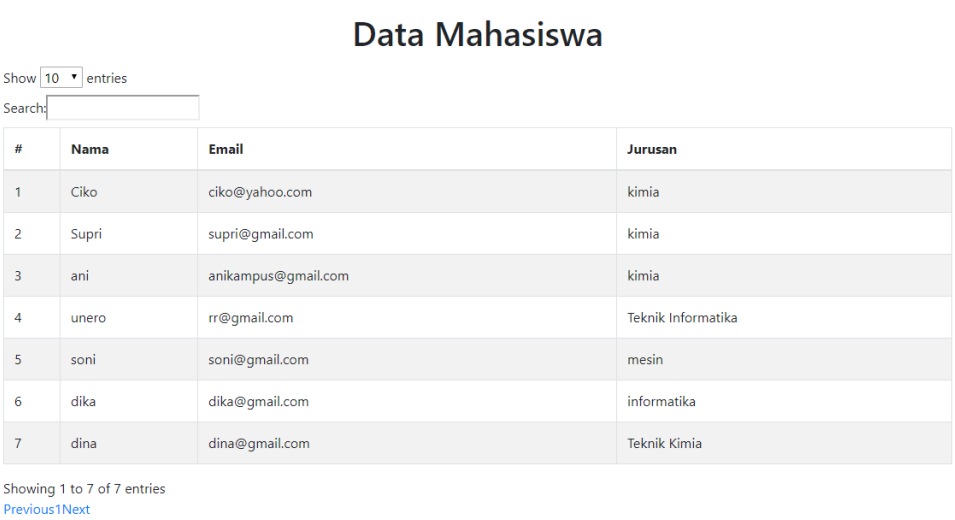
2	Mengubah index pada Controller User
	
	`public function index()`
	`{`
	`  $data = array(`
	`  'title' => 'data mahasiswa',`
	`  'mahasiswa' => $this->mahasiswa_model->datatabels()`
	`  );`
	`  $this->load->view('template/header_datatabels_user', $data);`
	`  $this->load->view('mahasiswa/user', $data);`
	`  $this->load->view('template/footer_datatabels_user');`
	`}`

3	Footer
	
	`<script>`
	`$(document).ready( function () {`
	`  $('#list_mhs').DataTable();`
	`} );`
	`</script>`
	`<!-- Optional JavaScript -->`
	`<!-- jQuery first, then Popper.js, then Bootstrap JS -->`
	`<script src="https://code.jquery.com/jquery-3.4.1.min.js"></script>`
	`<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"`
	`<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js" in`

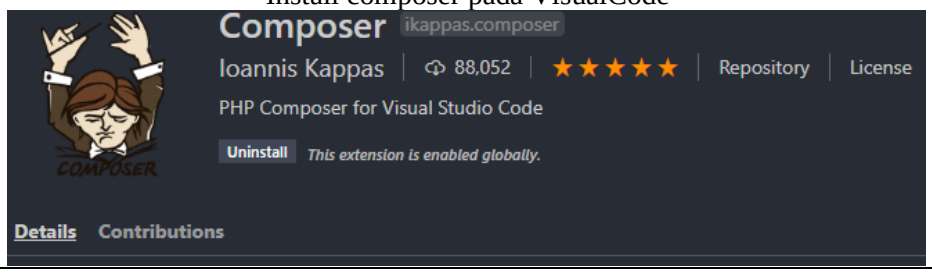
4	View Mahasiswa\user
5	Menambahkan fungsi datatabels ke model 

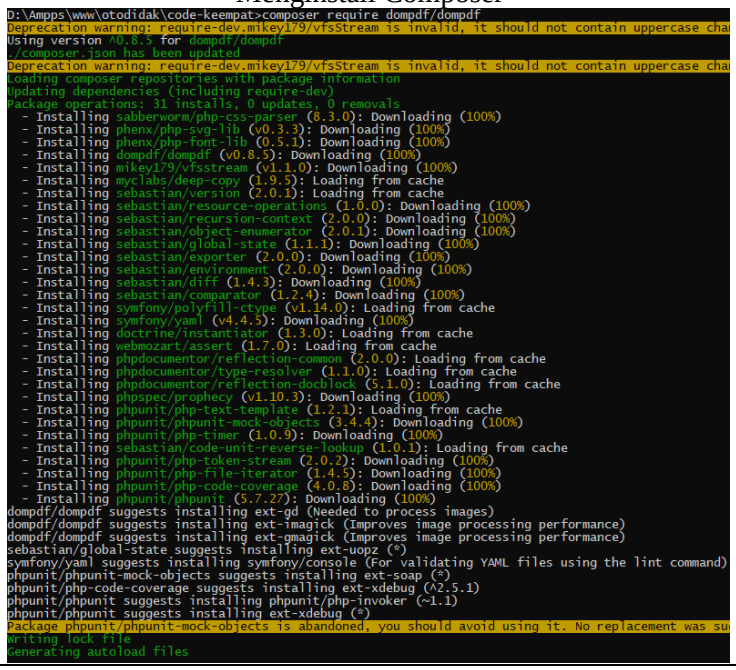
```php
<div class="container">
    <div class="col-md-12">
        <h1 class="text-center mb-3">Data Mahasiswa</h1>
    </div>
    <table class="table table-striped table-bordered" id="list_mhs">
        <thead>
            <tr>
                <th>#</th>
                <th>Nama</th>
                <th>Email</th>
                <th>Jurusan</th>
            </tr>
        </thead>
        <tbody>
            <?php
                $no = 1;
                foreach($mahasiswa as $mhs){ ?>
            <tr>
                <td><?= $no++;?></td>
                <td><?= $mhs->nama;?></td>
                <td><?= $mhs->email;?></td>
                <td><?= $mhs->jurusan;?></td>
            </tr>
                <?php } ?>
        </tbody>
    </table>
</div>
```

```php
public function datatabels(){
    $query = $this->db->order_by('id', 'DESC')->get('mahasiswa');
    return $query->result();
}
```

6	Hasil Datatabels 

Praktikum – Bagian 2: Menggunakan DOMPDF dengan CodeIgniter

1	Install composer pada VisualCode 
2	Mengatur autoload `$config['composer_autoload'] = "vendor/autoload.php";`

3	Menginstall Composer 
4	Membuat pdf.php dari *libraries*

```
D:\Ampps\www\otodidak\code-keempat>composer require dompdf/dompdf
Deprecation warning: require-dev.mikey179/vfsStream is invalid, it should not contain uppercase cha
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 cha
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): Loading from cache
  - Installing sebastian/version (2.0.1): Loading from cache
  - 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): Loading from cache
  - Installing symfony/yaml (v4.4.5): Downloading (100%)
  - Installing doctrine/instantiator (1.3.0): Loading from cache
  - Installing webmozart/assert (1.7.0): Loading from cache
  - Installing phpdocumentor/reflection-common (2.0.0): Loading from cache
  - Installing phpdocumentor/type-resolver (1.1.0): Loading from cache
  - Installing phpdocumentor/reflection-docblock (5.1.0): Loading from cache
  - Installing phpspec/prophecy (v1.10.3): Downloading (100%)
  - Installing phpunit/php-text-template (1.2.1): Loading from cache
  - 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): Loading from cache
  - 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-gd (Needed to process images)
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 su
Writing lock file
Generating autoload files
```

```php
<?php

defined('BASEPATH') OR exit('No direct script access allowed');

use Dompdf\Dompdf;

class Pdf extends Dompdf{
    public $filename;
    public function __construct()
    {
        parent::__construct();
        $this->filename = "laporan.pdf";
    }

    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);

        $this->render();
        $this->stream($this->filename, array("Attachment" => FALSE));
    }
}

/* End of file Pdf.php */

?>
```

5	Menambahkan fungsi laporan_pdf
	
	`public function laporan_pdf(){`
	`  $data['mahasiswa'] = $this->cetak_model->view();`
	
	`  $this->load->library('pdf');`
	`  $this->pdf->setPaper('A4', 'potrait');`
	`  $this->pdf->filename = 'laporan-petanikode.pdf';`
	`  $this->load->view('mahasiswa/laporan', $data);`
	`}`

6	Membuat view laporan
	
	`<?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();`
	`  }`
	
	`}`
	
	`/* End of file cetak_model.php */`
	
	`?>`

7	Menambahkan CDN pada header
	
	`<a class="nav-item nav-link" href="<?php echo base_url();?>user/laporan_pdf">Cetak Laporan</a>`
	`<a class="nav-item nav-link" href="<?php echo base_url();?>login/logout">Logout</a>`

8	Hasil | #	Nama	Email	Jurusan
---	---	---	---
1	dina	dina@gmail.com	Teknik Kimia
2	dika	dika@gmail.com	informatika
3	soni	soni@gmail.com	mesin
4	unero	rr@gmail.com	Teknik Informatika
5	ani	anikampus@gmail.com	kimia
6	Supri	supri@gmail.com	kimia
7	Ciko	ciko@yahoo.com	kimia	