

REKAYASA **WEB**

PERTEMUAN - 4

MVC

MODEL - VIEW - CONTROLLER

“Pola arsitektur pada perancangan perangkat lunak berorientasi objek.”

“Memisahkan antara **tampilan**,
data dan **proses**.”

jika tanpa MVC

```
<?php
$conn = mysqli_connect("localhost", "root", "") or die("Koneksi Gagal");
mysqli_select_db($conn, "043040023") or die("database salah");
?>

<!DOCTYPE html>
<html>
<head>
    <title>Daftar Mahasiswa</title>
</head>
<body>
<h2>Daftar Mahasiswa</h2>

<?php $result = mysqli_query($conn, "SELECT * FROM mahasiswa"); ?>

<?php while( $row = mysqli_fetch_assoc($result) ) { ?>
<ul>
    <li>"></li>
    <li><?php echo $row["nama"]; ?></li>
    <li><?php echo $row["email"]; ?></li>
    <li><?php echo $row["jurusan"]; ?></li>
    <li><?php echo $row["universitas"]; ?></li>
</ul>
<?php } ?>
```

```
<?php
$conn = mysqli_connect("localhost", "root", "") or die("Koneksi Gagal");
mysqli_select_db($conn, "043040023") or die("database salah");
?>
```

Koneksi DB

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Daftar Mahasiswa</title>
```

```
</head>
```

Presentasi

```
<body>
```

```
<h2>Daftar Mahasiswa</h2>
```

```
<?php $result = mysqli_query($conn, "SELECT * FROM mahasiswa"); ?>
```

SQL Query

```
<?php while( $row = mysqli_fetch_assoc($result) ) { ?>
```

```
<ul>
```

```
    <li>"></li>
```

```
    <li><?php echo $row["nama"]; ?></li>
```

```
    <li><?php echo $row["email"]; ?></li>
```

```
    <li><?php echo $row["jurusan"]; ?></li>
```

```
    <li><?php echo $row["universitas"]; ?></li>
```

Presentasi

```
</ul>
```

```
<?php } ?>
```

dengan MVC

Proses

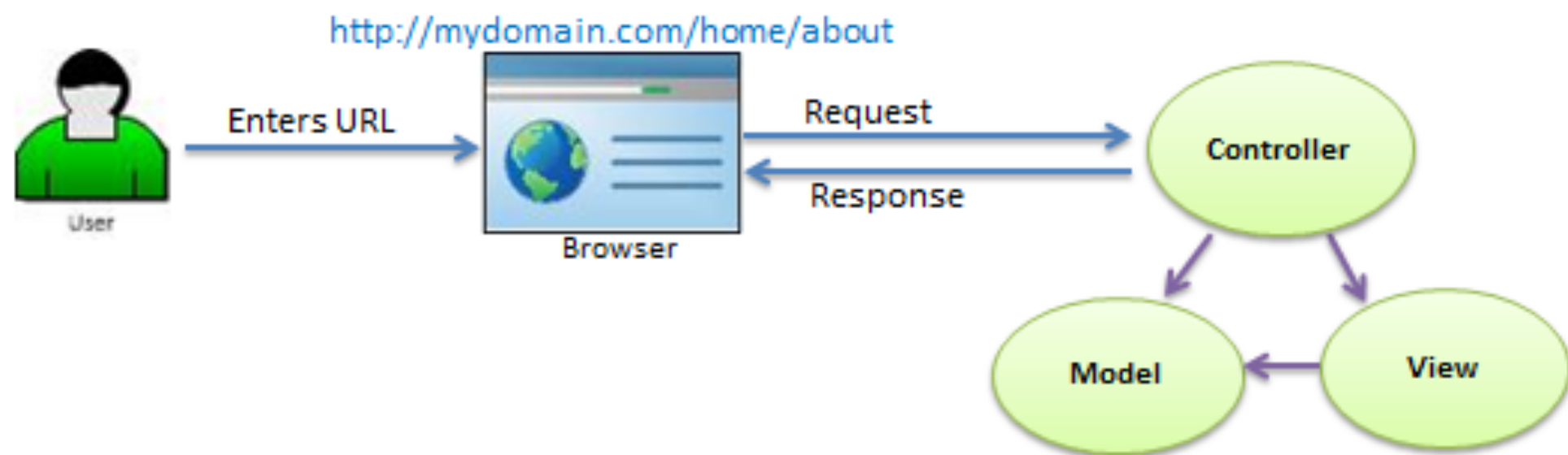


Data



Tampilan





Kenapa MVC

- Organisasi dan Struktur Kode
- Pemisahan logic dan tampilan
- Perawatan Kode
- Implementasi konsep OOP yang sudah dipelajari
- Digunakan oleh banyak Web Application Framework

Framework MVC

Bahasa	Framework
PHP	CodeIgniter, Laravel, Yii, dll
Java	Spring MVC, JSF, Struts, dll
Python	Django, CherryPy, dll
Ruby	Ruby on Rails, Sinatra ,dll
Javascript	AngularJS, React, Backbone.js, dll

Proses

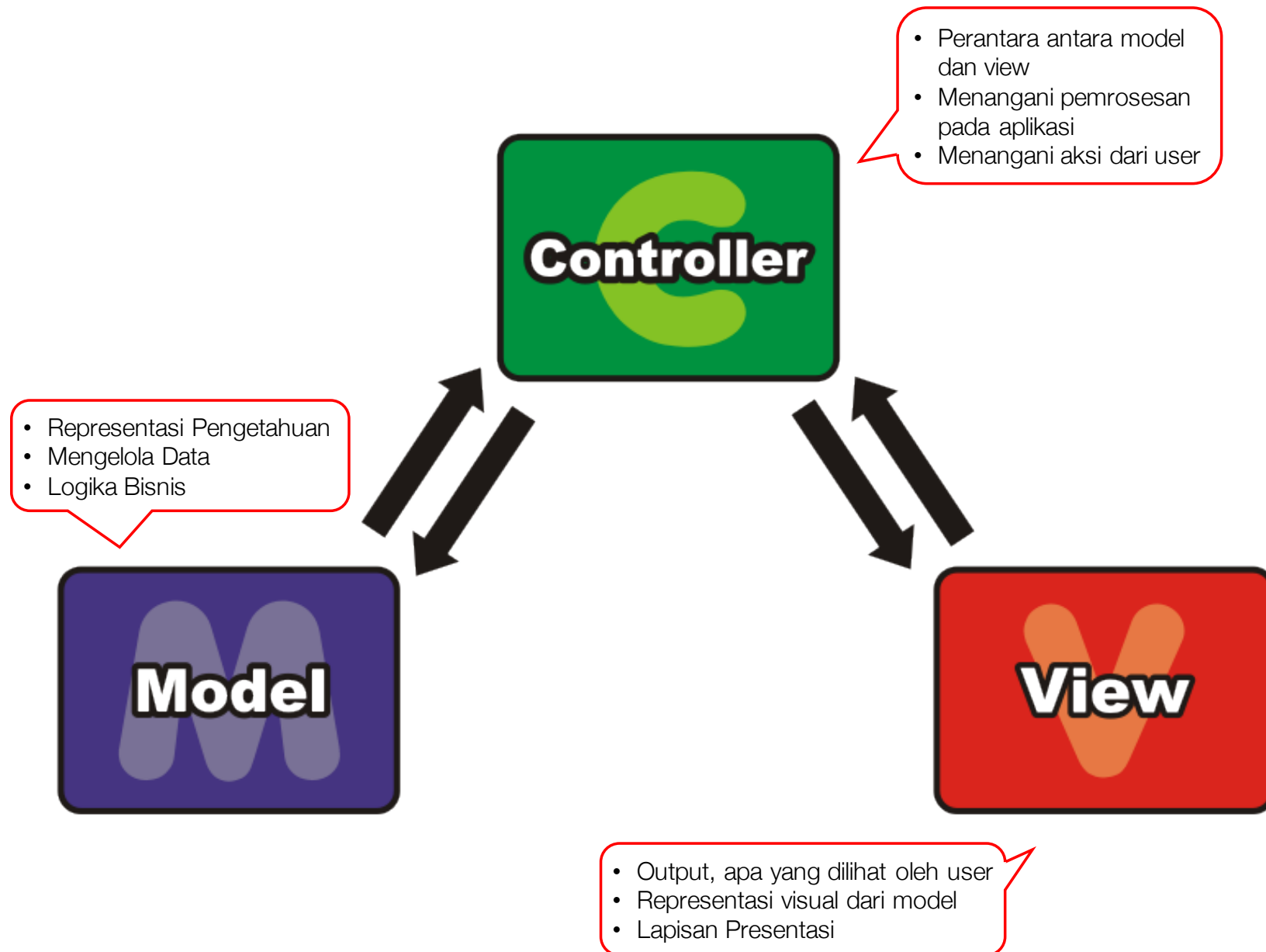


Data



Tampilan

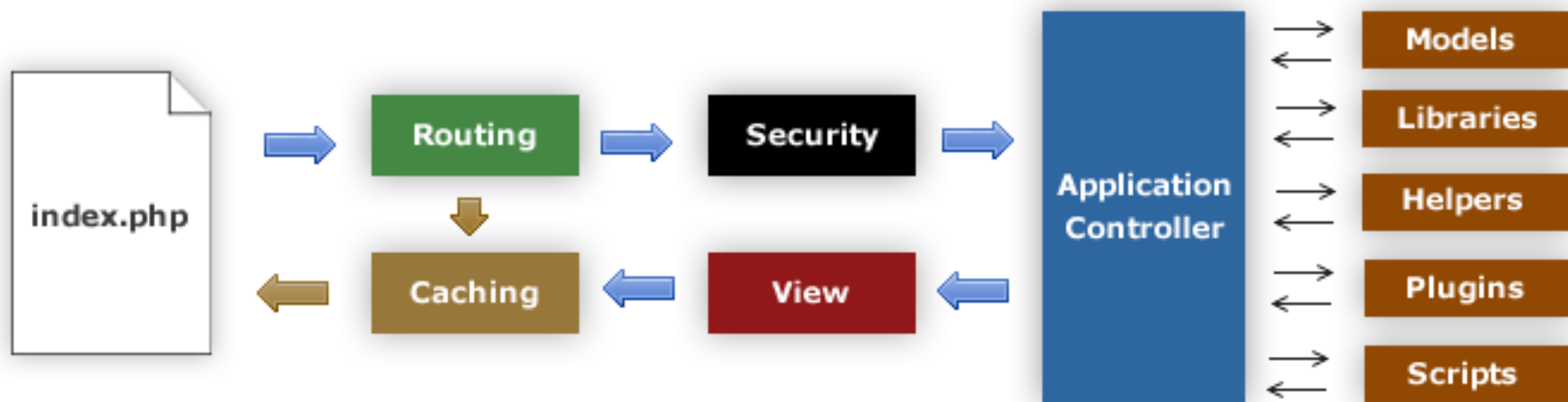




APA YANG AKAN KITA BUAT ?

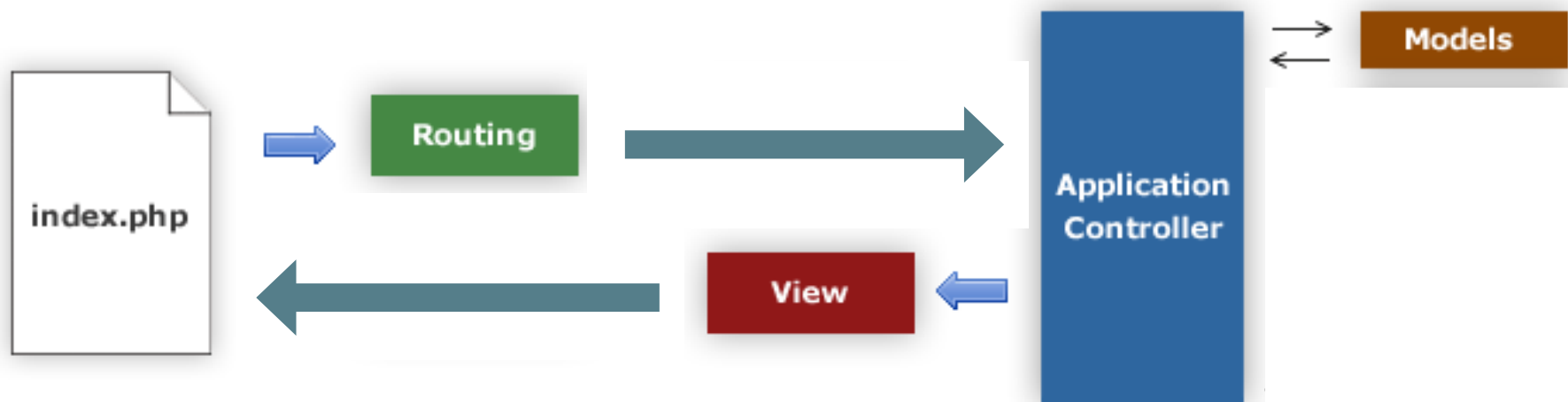
APLIKASI MVC SEDERHANA

APPLICATION FLOW PADA CODEIGNITER

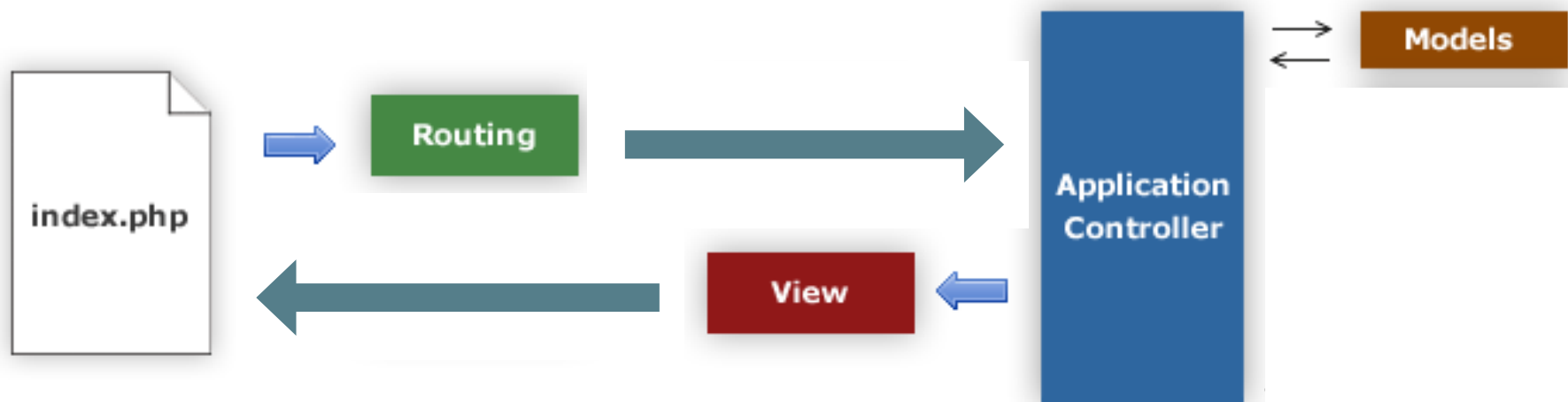


https://www.codeigniter.com/user_guide/overview/appflow.html

APPLICATION FLOW YANG AKAN KITA BUAT



APPLICATION FLOW YANG AKAN KITA BUAT



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7 MODEL

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