

**REKAYASA PERANGKAT LUNAK
LAPORAN RESMI
PRAKTIKUM YII2: INSTALLATION & YII2: WORKING WITH GII**



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2019**

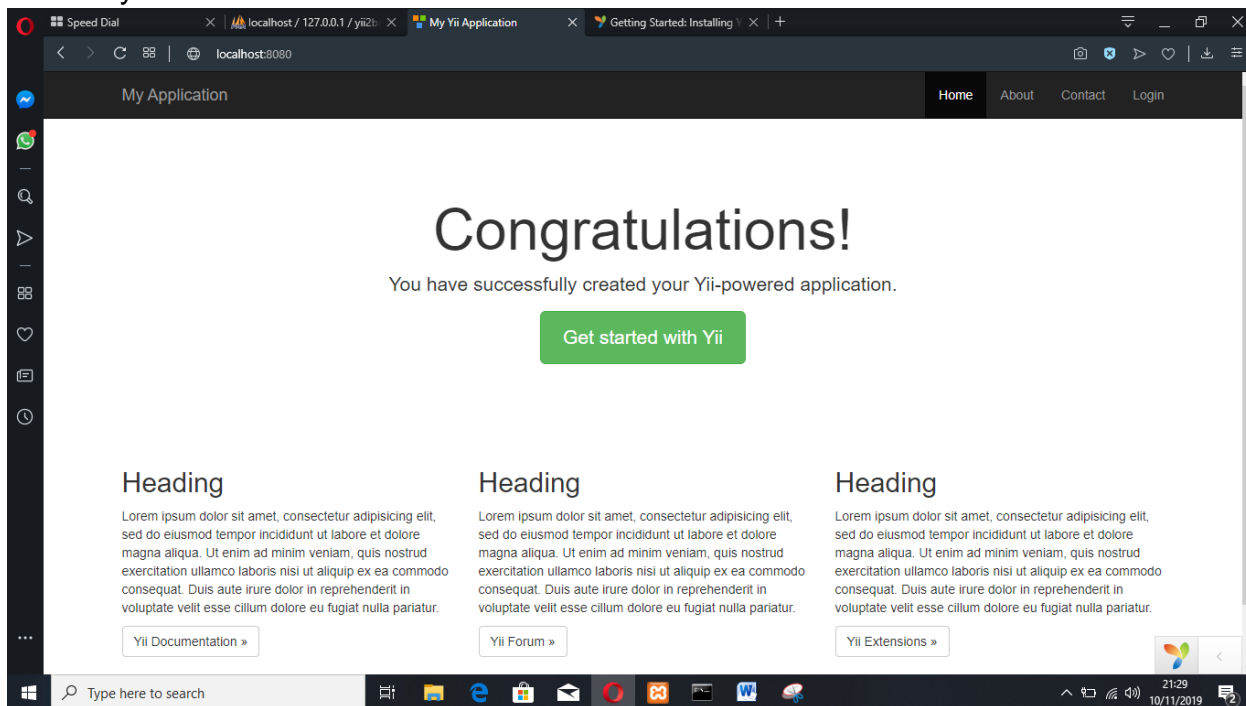
**PROGRAM STUDI TEKNIK INFORMATIKA
DEPARTEMEN TEKNIK INFORMATIKA DAN KOMPUTER POLITEKNIK
ELEKTRONIKA NEGERI SURABAYA
TAHUN 2019**

Yii2: Working with Gii

1. Pertama kita buka jendela command prompt lalu masuk ke folder `c:\xampp\htdocs` terlebih dahulu, lalu kemudian kita ketik “`composer create-project --prefer-dist yiisoft/yii2-app-basic esurat`”



```
c:\xampp\htdocs>composer create-project --prefer-dist yiisoft/yii2-app-basic esurat
Installing yiisoft/yii2-app-basic (2.0.26)
- Installing yiisoft/yii2-app-basic (2.0.26): Loading from cache
```

2. Setelah selesai kita cek apakah yii project esurat kita sudah berhasil terinstall dengan membuka `localhost/esurat/web`, dan hasilnya seperti gambar dibawah yaitu tampilan awal yii2



3. Kemudian kita buat database dengan nama e-surat

Basis data

 **Buat basis data** 

4. Lalu import `e-surat.sql` kemudian jalankan

Mengimpor ke dalam server saat ini

Berkas untuk impor:

Dapat berupa berkas terkompresi (gzip, bzip2, zip) atau tidak.

A compressed file's name must end in **[format].[compression]**. Example: **.sql.zip**

Telusuri komputer Anda: esurat.sql (Batas ukuran: 40MB)

Anda juga dapat drag dan drop sebuah file pada halaman manapun.

Set karakter berkas:

Impor sebagian:

☒ Allow the interruption of an import in case the script detects it is close to the PHP timeout limit. (*This transactions.*)

Lewati beberapa kueri (untuk SQL) mulai dari yang pertama:

5. setelah itu kita atur database yiinya di folder config/db.php, ganti isi dbname menjadi

```
<?php

return [
    'class' => 'yii\db\Connection',
    'dsn' => 'mysql:host=localhost;dbname=e-surat',
    'username' => 'root',
    'password' => '',
    'charset' => 'utf8',

    // Schema cache options (for production environment)
    //'enableSchemaCache' => true,
    //'schemaCacheDuration' => 60,
    //'schemaCache' => 'cache',
];
```

esurat (sesuaikan dengan nama database yang telah kita buat)

6. Lalu selanjutnya kita buat satu model generator yaitu Instansi pada Model Generator di Gii, isi table name nya dengan instansi, lalu klik preview, setelah itu klik generate, Model Generator akan menghasilkan sebuah model yang diletakkan pada direktori models

yii code generator

Home Help Application

Model Generator

CRUD Generator

Controller Generator

Form Generator

Module Generator

Extension Generator

Model Generator

This generator generates an ActiveRecord class for the specified database table.

Table Name

instansi

Model Class Name

Instansi|

☐ Standardize Capitals

☐ Singularize

Namespace

app\models

Base Class

yii\db\ActiveRecord

Preview

Generate

Click on the above **Generate** button to generate the files selected below:

Type to filter


☒ Create

☒ Unchanged

☒ Overwrite

Code File	Action	
models\Instansi.php	create	<input checked="" type="checkbox"/>

7. Setelah itu kita buat CRUD dengan menggunakan CRUD Generator kita isi model class “app\models\Instansi”, Search Model Class “app\models\SearchInstansi”, Controller Class “app\controllers\InstansiController”, setelah itu klik preview, lalu klik generate


Home Help Application

Model Generator >
CRUD Generator >
Controller Generator >
Form Generator >
Module Generator >
Extension Generator >

CRUD Generator

This generator generates a controller and views that implement CRUD (Create, Read, Update, Delete) operations for the specified data model.

Model Class

Search Model Class

Controller Class

View Path

Base Controller Class

Code Template

default (C:\xampp\htdocs\e-surat\vendor\yiisoft\yii2-gii\src\generators\crud\default)

Preview
Generate

Click on the above **Generate** button to generate the files selected below:

☒ Create
☒ Unchanged
☒ Overwrite

Code File	Action	
controllers\InstansiController.php	create	<input checked="" type="checkbox"/>
models\SearchInstansi.php	create	<input checked="" type="checkbox"/>
views\instansi_form.php	create	<input checked="" type="checkbox"/>
views\instansi_search.php	create	<input checked="" type="checkbox"/>
views\instansi\create.php	create	<input checked="" type="checkbox"/>
views\instansi\index.php	create	<input checked="" type="checkbox"/>
views\instansi\update.php	create	<input checked="" type="checkbox"/>
views\instansi\view.php	create	<input checked="" type="checkbox"/>

The code has been generated successfully.

```
Generating code using template "C:\xampp\htdocs\e-surat\vendor\yiisoft\yii2-gii\src\generators\crud/default"...
generated controllers\InstansiController.php
generated models\SearchInstansi.php
generated views\instansi\_form.php
generated views\instansi\_search.php
generated views\instansi\create.php
generated views\instansi\index.php
generated views\instansi\update.php
generated views\instansi\view.php
done!
```

8. Lalu setelah itu kita isi data instansi, pertama yaitu kita harus membuka URL berikut : localhost/esurat/web/index.php?r=instansi, lalu klik create instansi

9. Kemudian kita isi kolom – kolomnya lalu klik save

Speed Dial | localhost / 127.0.0.1 / e-s... | Instansis | Getting Started: Installing | Konverter PDF ke Word - 1 | +

localhost:8080/index.php




My Application Home About Contact Logout (admin)

Home / Instansis

Instansis

Create Instansi

Showing 1-1 of 1 item.

#	ID	Nama	Alamat	No Telepon	Kode Pos	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
1	1	CV. L-Tech Computindo	Jl. Veteran Lamongan	081336698432	62211	  

10. Setelah itu kita coba fitur update, klik tombol pensil/update, kemudian ganti datanya lalu klik save

Home / Instansis / 11 / Update

Update Instansi: 11

Nama

PT Bintang Utama Lestari

Alamat

Jl. Komp. Penuin Centre No.15-16, Batu Selicin, Kec. Lubuk Baja, Kota Batam, Kepulauan Riau 29441

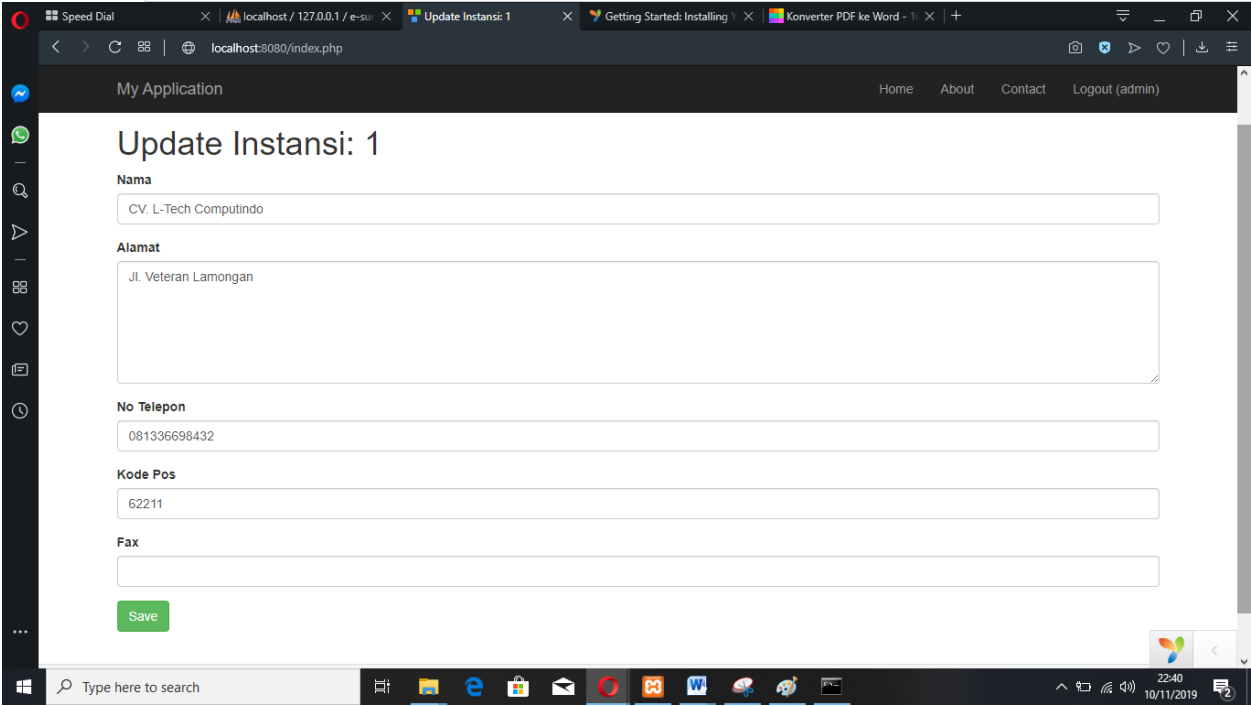
No Telepon

(0778) 423305

Kode Pos

29441

Fax



11. Lalu kita coba fitur delete, dengan cara klik tombol sampah (hapus) lalu akan muncul pop up konfirmasi hapus, lalu klik ok

The screenshot shows a web application interface. At the top, there's a dark header with 'My Application' on the left and navigation links 'Home', 'About', 'Contact', 'Instansi', and 'Login' on the right. Below the header, a breadcrumb trail reads 'Home / Instansi / 11'. The main content area displays the number '11' in a large font, followed by two buttons: 'Update' (blue) and 'Delete' (red). Below these buttons is a table with the following data:

ID	11
Nama	PT Bintang Utama Lestari
Alamat	Jl. Komp. Penuin Centre No.15-16, Batu Selicin, Kec. Lubuk Baja, Kota Batam, Kepulauan Riau 29441
No Telepon	(0778) 423305
Kode Pos	29441
Fax	

A modal dialog box is open in the center, titled 'localhost says'. It contains the text 'Are you sure you want to delete this item?' and two buttons: 'OK' (blue) and 'Cancel' (white with a blue border).



12. Untuk mempermudah dalam penulisan URL kita bisa menggunakan fitur pretty URL, pertama buka file config/web.php kemudian tambahkan kode berikut ini didalamnya

```
'urlManager' => [  
    'enablePrettyUrl' => true,  
    'showScriptName' => false,  
    'rules' => [  
    ],  
],
```

Kemudian buka .htaccess dan edit seperti dibawah ini

```
RewriteEngine on  
RewriteCond %{REQUEST_FILENAME} !-d  
RewriteCond %{REQUEST_FILENAME} !-f  
RewriteRule . index.php [L]
```

The screenshot shows the 'Instansi' management page of the web application. The header is the same as in the previous screenshot. Below the header, a breadcrumb trail reads 'Home / Instansi'. The main content area has the title 'Instansi' in a large font, followed by a green button labeled 'Create Instansi'. Below this, it says 'Showing 1-1 of 1 item.' and then a table with the following data:

#	ID	Nama	Alamat	No Telepon	Kode Pos	
1	11	PT Bintang Utama Lestari	Jl. Komp. Penuin Centre No.15-16, Batu Selicin, Kec. Lubuk Baja, Kota Batam, Kepulauan Riau 29441	(0778) 423305	29441	 

dan kita coba berhasil tanpa index.php