

# Yii2 PHP Framework - MySQL

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# Yii2 ?

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- *Framework Aplikasi Web*
- *Bahasa Pemrograman PHP 5*
- *Multi Platform Database*
- *Multi Site/App*
- *OOP dan MVC*
- *Responsive Web Design*
- *Berbasis Component*
- *Download di : [yiiframework.com](http://yiiframework.com) ( Versi 2.6.x ) ,  
<https://www.yiiframework.com/download> , pilih basic template*

# Requirement Software

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- *Minimal PHP 5.4*
- *Apache Web Server*
- *Database : MySQL, PostgreSQL*
- *IDE : Notepad++, Sublime Text 3*
- *Browser : Chrome, Firefox , Safari , IE, Opera*

# Langkah Instalasi : basic template

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- Aktifkan Web Server
- Aktifkan Database Server
- Extract hasil download di direktori C:\xampp\htdocs (C:\laragon\www)
- Rename direktori dari basic → nama\_aplikasi , misal **webyii**
- Gunakan command prompt masuk kedalam direktori C:\xampp\htdocs\webyii

# Setup instalasi : seting cookie

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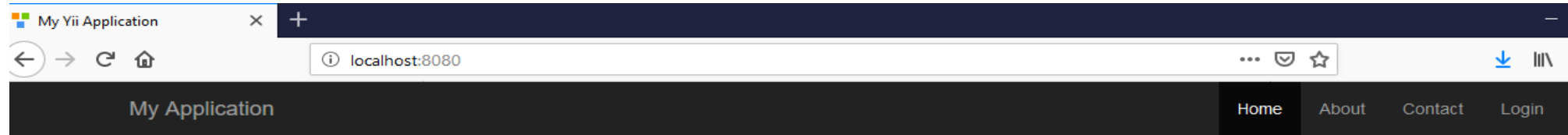
- Buka aplikasi notepad++
- Dari menu File -> Open Folders As Workspace
- Browse direktori c:\xampp\htdocs\webyii aplikasi anda
- Buka file konfigurasi webyii\config\web.php
- Dan tambahkan cookie validate pada baris kode ke -17
- 'request' => [  
    'cookieValidationKey' => '**selamat belajar yii2**',

# Setup instalasi : Jalankan server

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- Buka shell / terminal aplikasi xampp/laragon
- Masuk ke dalam direktori c:\xampp\webyii
- Jalankan perintah berikut untuk web server port default 8080:  
shell> **php yii serve**
- Jalankan perintah berikut untuk web server port 8888:  
shell> **php yii serve -p 8888**
- Buka browser anda dan arahkan ke alamat web :  
**http://localhost:8080**

# Akses aplikasi : http://localhost:8080



## Congratulations!

You have successfully created your Yii-powered application.

[Get started with Yii](#)

### Heading

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[Yii Documentation »](#)

### Heading

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[Yii Forum »](#)

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[Yii Extensions »](#)



# Seting UrlManager

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- Buka file untuk konfigurasi koneksi database :
  - `webyii\config\web.php`
- Pada baris ke 46 buka komentar UrlManager untuk aktifkan agar aplikasi web memiliki url user friendly
- Hapus tanda `/*` baris 46
- Dan `*/` baris 53

```
46  /*
47      'urlManager' => [
48          'enablePrettyUrl' => true,
49          'showScriptName' => false,
50          'rules' => [
51              ],
52      ],
53  */
```



# Seting Aktifkan modul kode generator Gii

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- Buka file untuk konfigurasi koneksi database :
  - `webyii\config\web.php`
- Pada baris ke ke 64 dan 71 buka komentar baris kode program (hapus tanda `//` )

```
61     $config['modules']['debug'] = [  
62         'class' => 'yii\debug\Module',  
63         // uncomment the following to add your IP if you are not connecting  
64         'allowedIPs' => ['127.0.0.1', '::1'],  
65     ];  
66  
67     $config['bootstrap'][] = 'gii';  
68     $config['modules']['gii'] = [  
69         'class' => 'yii\gii\Module',  
70         // uncomment the following to add your IP if you are not connecting  
71         'allowedIPs' => ['127.0.0.1', '::1'],  
72     ];
```

# Seting koneksi database

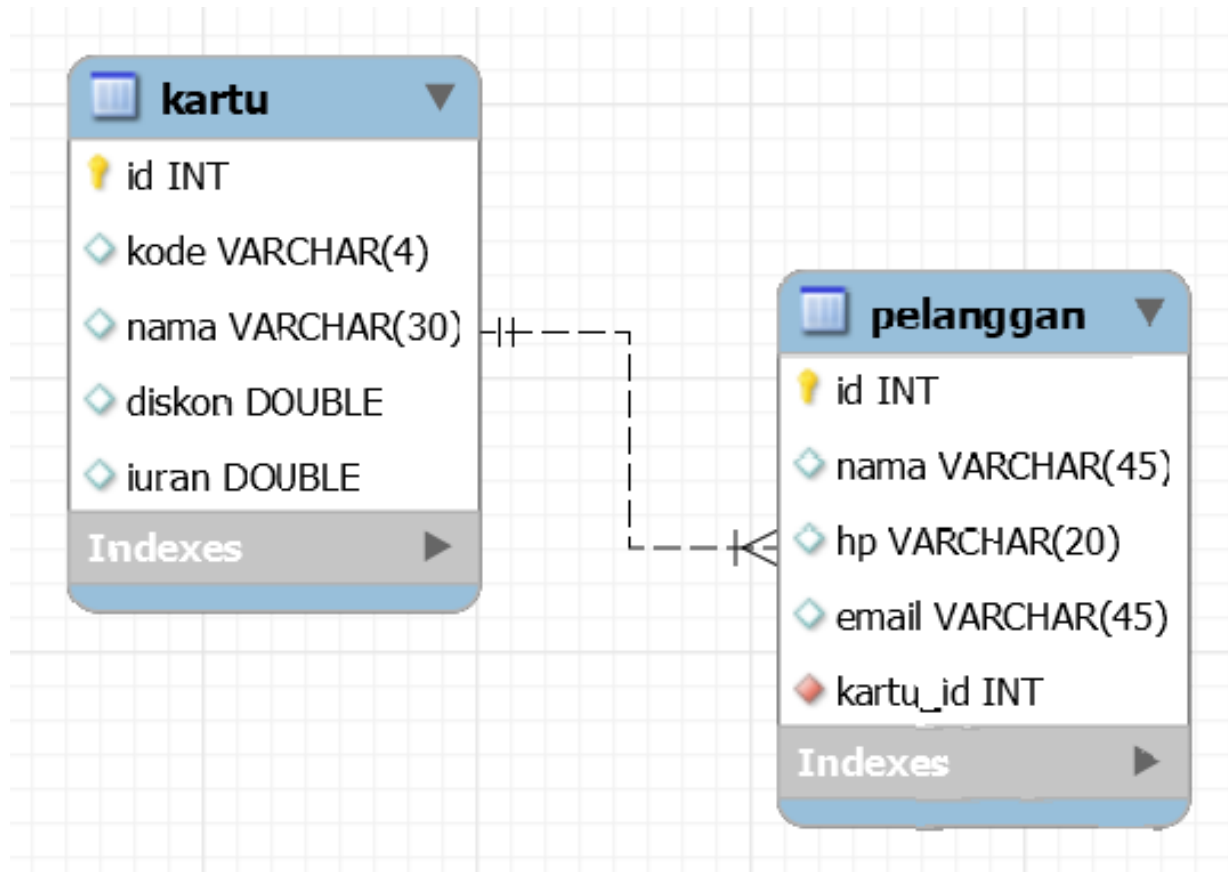
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- Buka file untuk konfigurasi koneksi database :
  - `webyii\config\db.php`
- return [

```
'db' => ['class' => 'yii\db\Connection',  
'dsn' => 'mysql:host=localhost;dbname=nama_db_anda',  
'username' => 'root',  
'password' => '',  
'charset' => 'utf8',  
,  
...
```

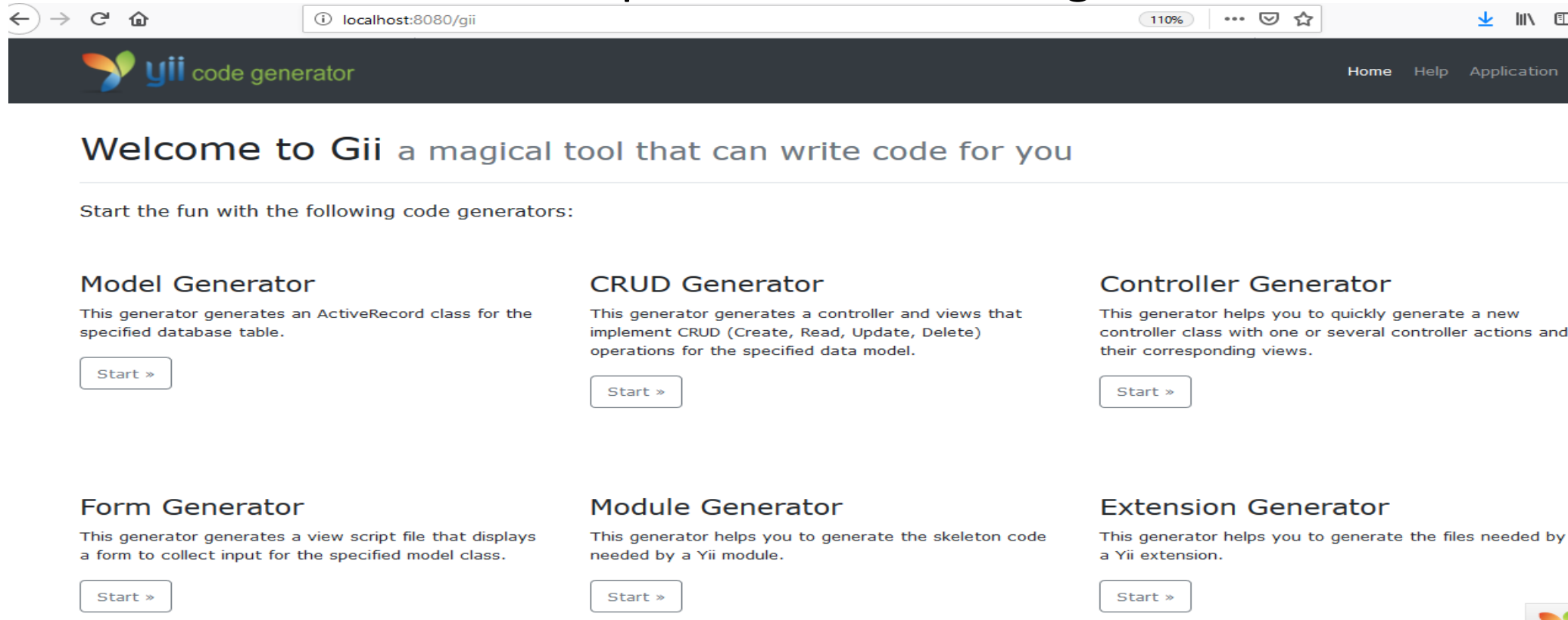
# Desain Database

- Kartu Pelanggan Toko



# Menggunakan kode generator Gii

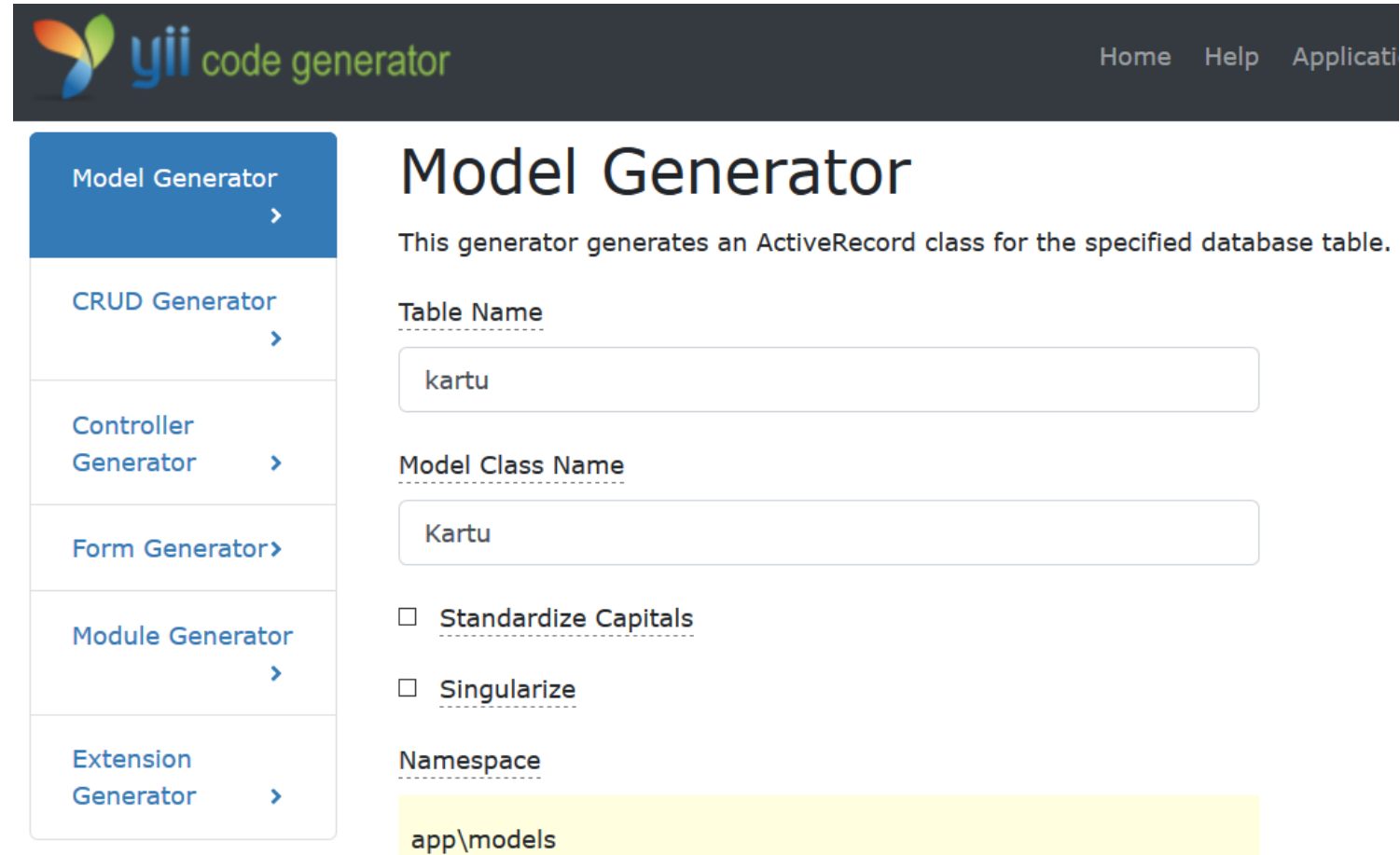
- Restart web service : `shell> php yii serve`
- Akses modul Gii di url : `http://localhost:8080/gii`



# Gii : generate **M**odels

## Pilih Model Generator

- Isi Form:
- Table Name : kartu
- Model Class Name : Kartu
- Tekan tombol : Preview
- Tekan tombol : Generate
- File model akan tergenerate di webyii\models



The screenshot shows the 'yii code generator' web application. On the left is a sidebar menu with options: 'Model Generator' (selected), 'CRUD Generator', 'Controller Generator', 'Form Generator', 'Module Generator', and 'Extension Generator'. The main content area is titled 'Model Generator' and includes a description: 'This generator generates an ActiveRecord class for the specified database table.' Below this are three input fields: 'Table Name' with the value 'kartu', 'Model Class Name' with the value 'Kartu', and 'Namespace' with the value 'app\models'. There are also two checkboxes: 'Standardize Capitals' and 'Singularize', both of which are unchecked.

yii code generator

Home Help Applicati

Model Generator

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

Table Name

kartu

Model Class Name

Kartu

☐ Standardize Capitals

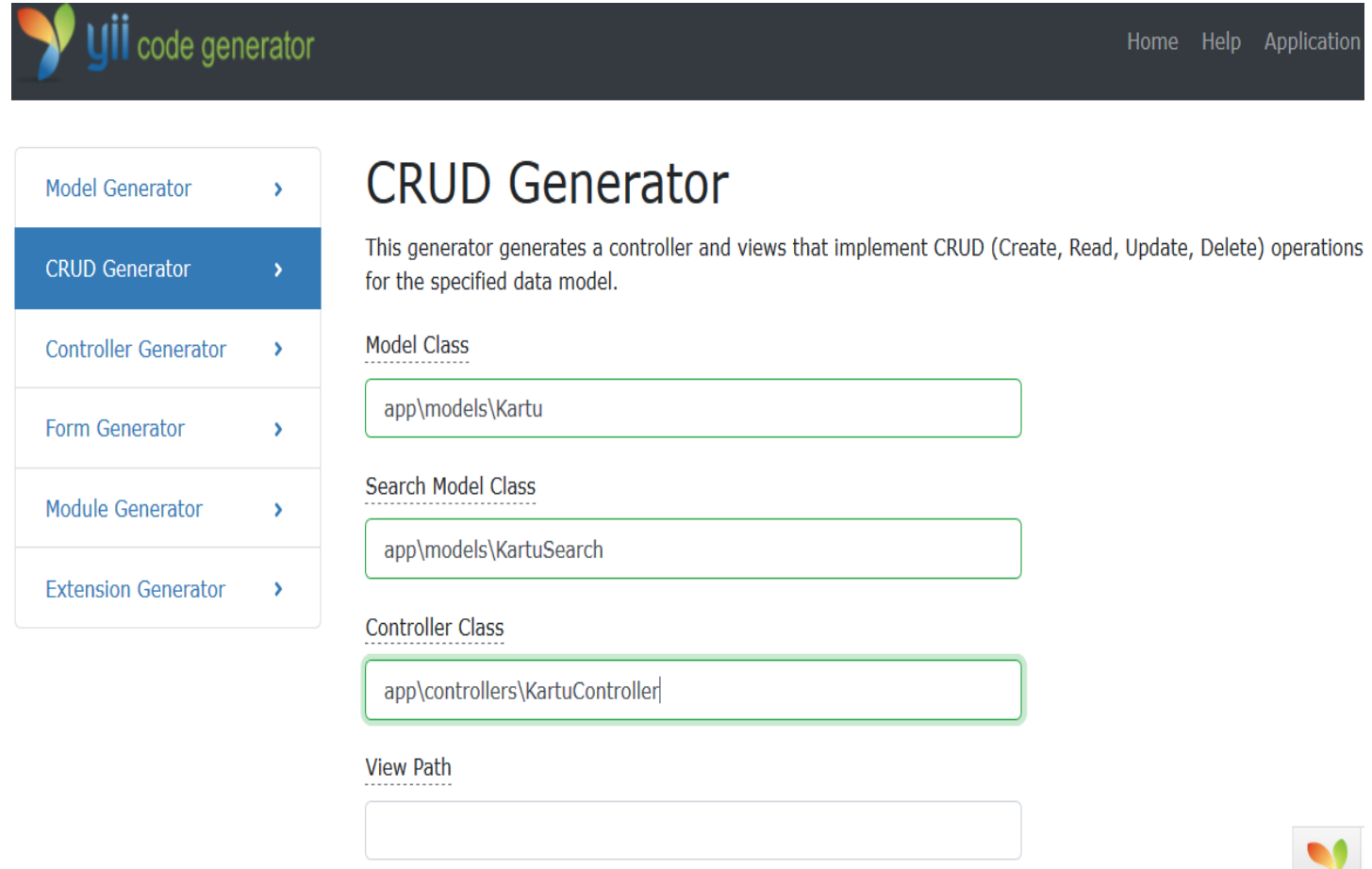
☐ Singularize

Namespace

app\models

# Gii : generate CRUD :: **C**ontroller & **V**iews

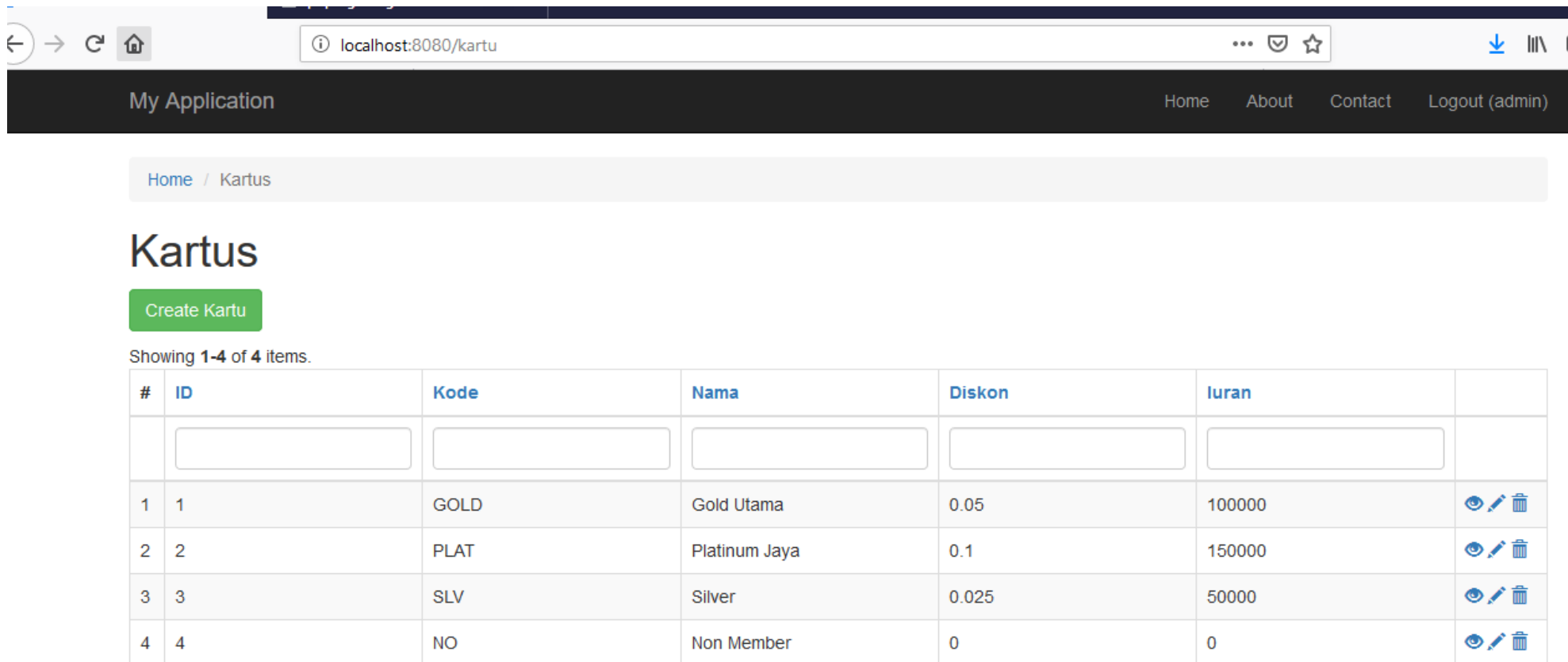
- Isi Form:
- Model Class : app\models\Kartu
- Search Model Class:  
app\models\KartuSearch
- Controller Class :  
app\controllers\KartuController
- Tekan tombol : Preview
- Tekan tombol : Generate
- Tes aplikasi di URL:
- <http://localhost/webyii/kartu>















The screenshot shows the Yii2 Gii code generator interface. The top navigation bar includes the Yii logo, the text "yii code generator", and links for "Home", "Help", and "Application". On the left, a sidebar menu lists various generators: "Model Generator", "CRUD Generator" (which is highlighted), "Controller Generator", "Form Generator", "Module Generator", and "Extension Generator". The main content area is titled "CRUD Generator" and contains a description: "This generator generates a controller and views that implement CRUD (Create, Read, Update, Delete) operations for the specified data model." Below this, there are four input fields: "Model Class" with the value "app\models\Kartu", "Search Model Class" with the value "app\models\KartuSearch", "Controller Class" with the value "app\controllers\KartuController", and "View Path" which is currently empty. A small Yii logo is visible in the bottom right corner of the interface.

# Akses hasil generate : daftar kartu

- <http://localhost:8080/kartu>

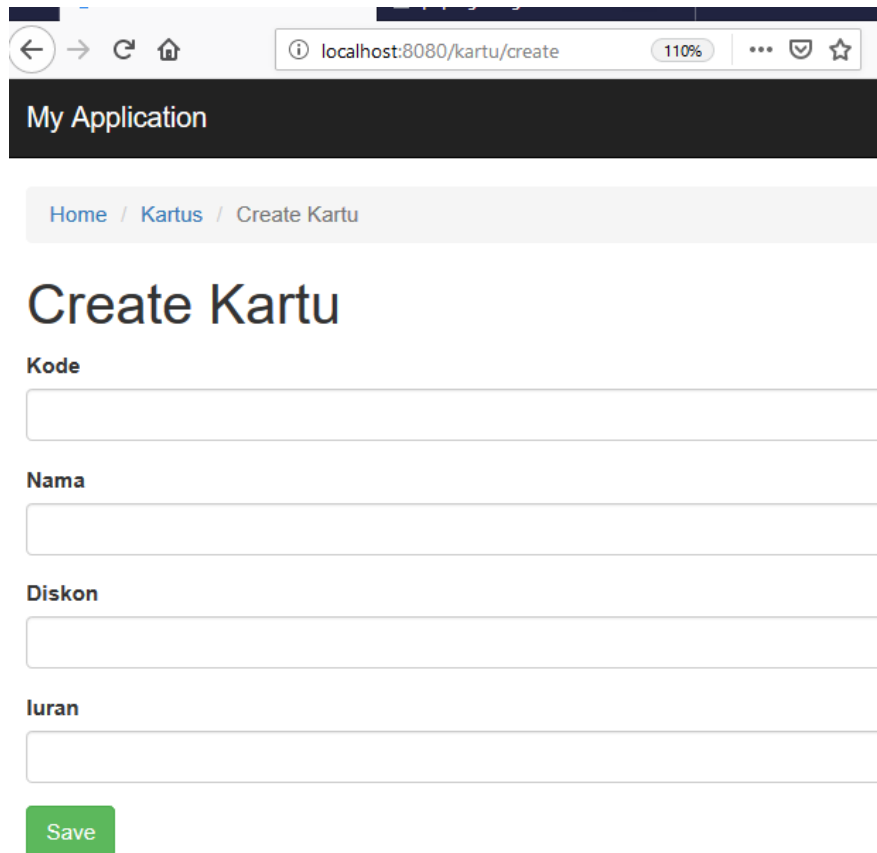


The screenshot shows a web browser at [localhost:8080/kartu](http://localhost:8080/kartu). The application has a dark navigation bar with "My Application" and links for "Home", "About", "Contact", and "Logout (admin)". Below the navigation bar is a breadcrumb "Home / Kartus". The main heading is "Kartus", followed by a green "Create Kartu" button. Below the button, it says "Showing 1-4 of 4 items." and displays a table with 4 rows of card data. Each row has a list of icons (eye, pencil, trash) for actions.

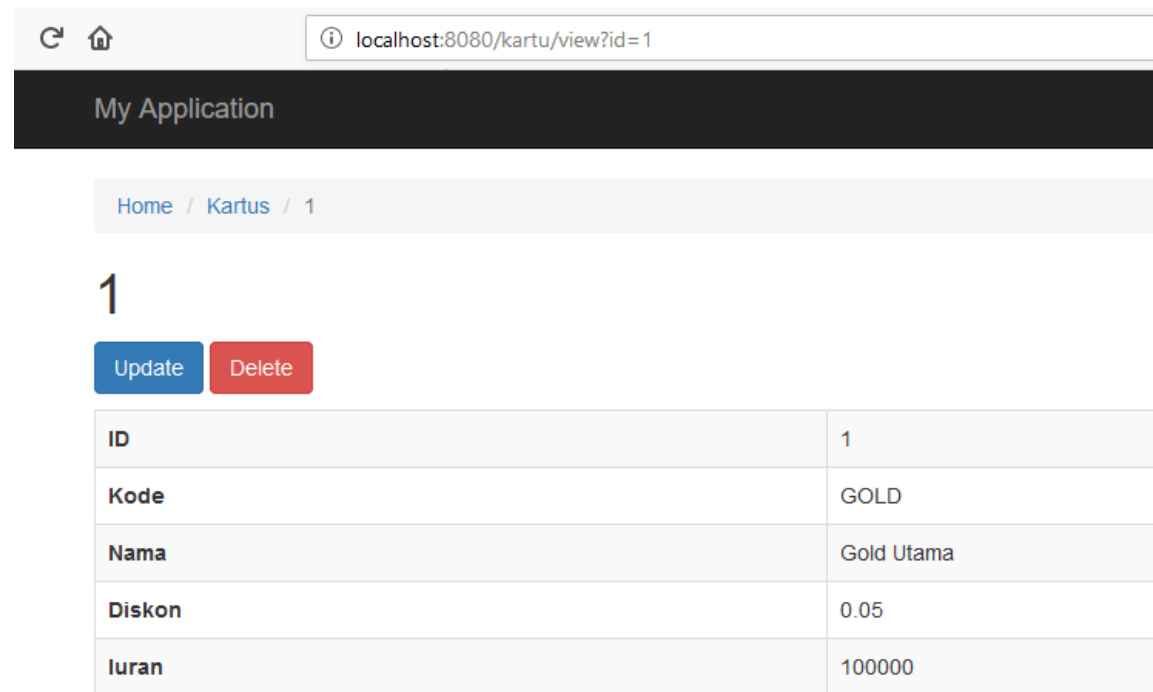
#	ID	Kode	Nama	Diskon	Iuran	
1	1	GOLD	Gold Utama	0.05	100000	  
2	2	PLAT	Platinum Jaya	0.1	150000	  
3	3	SLV	Silver	0.025	50000	  
4	4	NO	Non Member	0	0	  

# Akses hasil generate : daftar kartu

- <http://localhost:8080/kartu/create>



The screenshot shows a web browser at the URL `localhost:8080/kartu/create`. The page has a dark header with "My Application". Below the header is a breadcrumb trail: `Home / Kartus / Create Kartu`. The main heading is "Create Kartu". There are four input fields labeled "Kode", "Nama", "Diskon", and "Iuran". At the bottom is a green "Save" button.



The screenshot shows a web browser at the URL `localhost:8080/kartu/view?id=1`. The page has a dark header with "My Application". Below the header is a breadcrumb trail: `Home / Kartus / 1`. The main heading is "1". There are two buttons: "Update" (blue) and "Delete" (red). Below the buttons is a table with the following data:

ID	1
Kode	GOLD
Nama	Gold Utama
Diskon	0.05
Iuran	100000



# Welldone

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## 🌀 Selamat mencoba Yii2 Framework