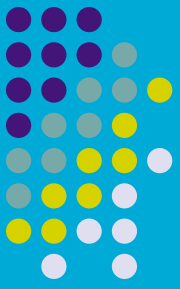


# Konsep Basis Data di Web

---



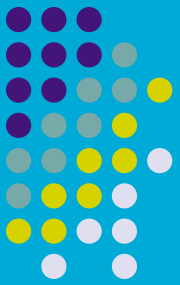
# Pengantar



- Pada dasarnya konsep perancangan database dan penggunaan query untuk sistem berbasis web dengan sistem informasi desktop sama saja. Yang membedakan adalah pada saat koneksinya.

- Contoh : koneksi database

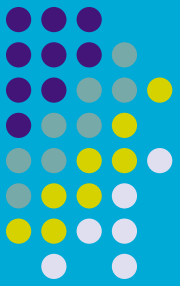
```
<?php
$link = mysql_connect
('localhost', 'mysql_user', 'mysql_password');
if (!$link) {
    die('Could not connect: ' . mysql_error());
}
echo 'Connected successfully';
mysql_close($link);
?>
```



- Mengeksekusi Query

```
<?php
$result = mysql_query('SELECT * WHERE 1=1');
if (!$result) {
    die('Invalid query: ' . mysql_error());
}
?>
```

# Fungsi PHP untuk MySQL



`mysql_connect`

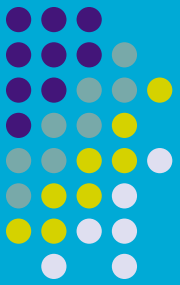
Membuka hubungan dengan MySQL

`mysql_close`

Menutup koneksi ke MySQL

`mysql_query`

Mengirim query ke MySQL



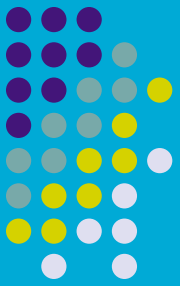
`mysql_result`  
Menampilkan data

`mysql_select_db`  
Memilih database

`mysql_fetch_array`  
Menampilkan hasil query sebagai array

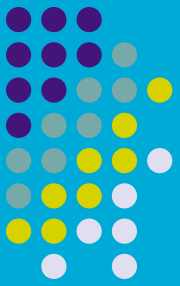
`mysql_num_rows`  
Menghitung jumlah baris dari hasil query

# Buat Database



- Nama database : db\_latih
- Nama tabel : tb\_kota  
Field-fieldnya : kd\_kota(primary key), kota

# File-file Penting



## File config.php

```
<?
if (ereg("config.php", $PHP_SELF))
{
    header("location:index.php");
    die;
}
//*****konfigurasi untuk database*****
    $mysql["db_host"] = "localhost";
    $mysql["db_user"] = "root";
    $mysql["db_pass"] = "";
    $mysql["db_name"] = "db_latih";

//***** deklarasi tabel yang digunakan *****
    $table["kota"] = "tb_kota";
?>
```

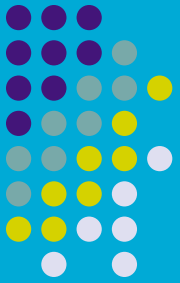
## File connection.php

```
<?php
# function koneksi database
function.opendb()
{
    global $mysql, $db_connection;
    $db_connection = mysql_connect($mysql["db_host"],
    $mysql["db_user"], $mysql["db_pass"]) or die
        ("Gagal membuka database!");
    $db_select = mysql_select_db($mysql["db_name"]);
}

function.closedb()
{
    global $db_connection;
    mysql_close($db_connection);
}

function.querydb($query)
{
    $result = mysql_query($query) or die ("Gagal
melakukan query = $query");
    return $result;
}

?>
```

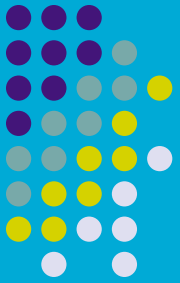




```
<?
/* Query untuk Save dan Manipulasi Data */
function SaveKota($kd_kota,$kota)
{
   .opendb();
    global $table;
    return querydb( "INSERT INTO db_latih.".$table
['kota']."(kd_kota,kota) values('".$kd_kota."', '".$kota."') " );
   .closedb();
}

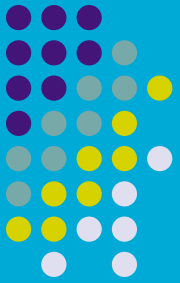
function UpdateKota($kd_kota,$kota)
{
   .opendb();
    global $table;
    return querydb( "UPDATE db_latih.".$table['kota']. " SET kota='".$
.$kota."' WHERE kd_kota='".$.$kd_kota."' " );
   .closedb();
}

function DelKota($kd_kota)
{
   .opendb();
    global $table;
    return querydb( "DELETE FROM db_latih.".$table['kota']. " WHERE
kd_kota='".$.$kd_kota."' " );
   .closedb();
}
```

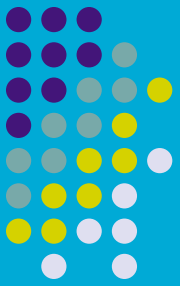


```
/*Query untuk menampilkan data
-----*/
function TampilKota()
{
opendb();
global $table;
    return querydb( "SELECT * FROM db_latih.".$table
['kota'] );
closedb();
}

function TampilPerKota($kd_kota)
{
opendb();
global $table;
    return querydb( "SELECT * FROM db_latih.".$table
['kota']." WHERE kd_kota='".$kd_kota."' " );
closedb();
}
?>
```



# Form Input



**Input Nama Kota**

Kode Kota :

Nama Kota :

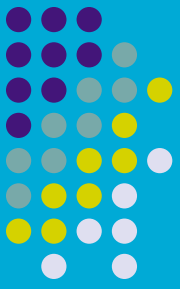
Nama file : form\_input\_kota.php

Di panggil ketika pertama kali load web, yaitu ketika akses file index.php

Coding pada file.php :

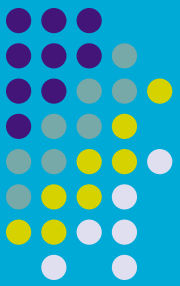
```
<?
echo "<meta http-equiv='refresh'
content='0;URL=form_input_kota.php'>";
?>
```

# Coding Save



```
<?
include("config.php");
include("connection.php");
include("sql.php");
    //deklarasi variabel
    $kd_kota = trim($_HTTP_POST_VARS['kd_kota']);
    $kota = trim($_HTTP_POST_VARS['kota']);
    //simpan ke database
    SaveKota($kd_kota,$kota);
    //redirect ke file tampil kota untuk
menampilkan data kota yang sudah diinputkan
    echo "<meta http-equiv='refresh'
content='0;URL=tampil_kota.php'>";
?>
```

# Tampilan Data

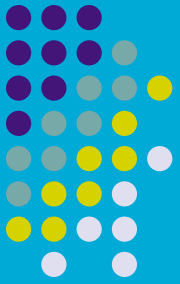


**Daftar Kota**

No	Kode Kota	Nama Kota	Ket
1	11111	Bandung Kota	<a href="#">Edit</a>   <a href="#">Delete</a>
2	11112	Tasikmalaya Kota	<a href="#">Edit</a>   <a href="#">Delete</a>
3	11113	Ciamis	<a href="#">Edit</a>   <a href="#">Delete</a>
4	11114	Cirebon	<a href="#">Edit</a>   <a href="#">Delete</a>

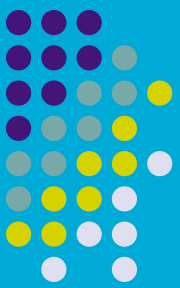
Nama file : tampil\_kota.php

# Coding Tampil Kota



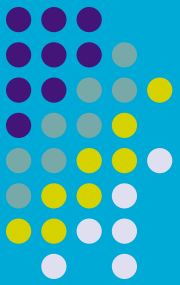
Letakan paling atas

```
<?
include("config.php");
include("connection.php");
include("sql.php");
?>
```



## Letakan setelah baris judul

```
<?
    //coding php untuk mengambil data dari database
mysql
    $data_kota = TampilKota();
    //perulangan record pada tabel
while($row_kota=mysql_fetch_array($data_kota))
    {
    $i++;
    echo "<tr><td align='center'>$i</td>";
    echo "<td align='center'>$row_kota[kd_kota]</td>";
    echo "<td align='left'>$row_kota[kota]</td>";
    echo "<td align='center'><a
href='form_edit_kota.php?id_kota=$row_kota
[kd_kota]'>Edit</a> | <a href='del_kota.php?id_kota=
$row_kota[kd_kota]'>Delete</a></td></tr>";
    }
?>
```



# Tampilan Form Edit Kota

**Edit Nama Kota**

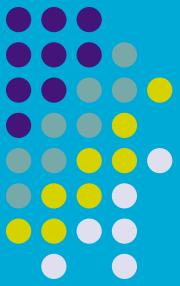
Kode Kota : 11118

Nama Kota :

Nama file : form\_edit\_kota.php

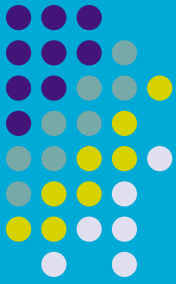


# Coding form\_edit\_kota.php (untuk Edit kota)

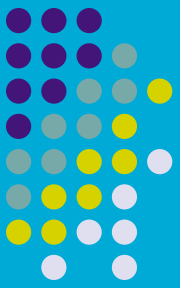


```
<?
include("config.php");
include("connection.php");
include("sql.php");
?>
<html><head>
<title>:. Latihan</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head><body>
<?
    //menerima variable yg di kirim dari file tampil_kota.php
    $kd_kota = $_HTTP_GET_VARS['id_kota'];
    $data_kota = TampilPerKota($kd_kota);
    $row_kota = mysql_fetch_array($data_kota);
?>
<form name="form1" method="post" action="edit_kota.php">
<table width="80%" border="0" align="center" cellpadding="0"
cellspacing="0">
    <tr>
        <td colspan="3"><div align="left"><strong>Edit Nama Kota</strong></
div>
        </td>
    </tr>
</table>
```

```
<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>Kode Kota</td>
    <td>:</td>
    <td><? echo $kd_kota;?></td>
</tr>
<tr>
<td>Nama Kota</td>
<td>:</td>
<td><input name="kota" type="text" id="kota" value="<? echo $row_kota
[kota];?>"></td>
<input type="hidden" name="kd_kota" value="<? echo $kd_kota;?>">
</tr>
<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
</tr>
<tr>
<td><input type="submit" name="Submit" value="Update"></td>
<td>&nbsp;</td>
<td>&nbsp;</td>
</tr></table>
</form></body>
</html>
```



# Coding edit\_kota.php untuk Update kota

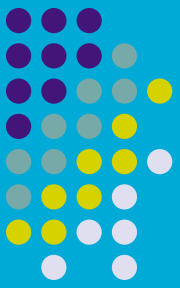


```
<?
include("config.php");
include("connection.php");
include("sql.php");

$kd_kota = $_HTTP_POST_VARS['kd_kota'];
$kota = $_HTTP_POST_VARS['kota'];

//update data
UpdateKota($kd_kota,$kota);
echo "<meta http-equiv='refresh'
content='0;URL=tampil_kota.php'>";
?>
```

# Coding del\_kota.php untuk Delete kota



```
<?
include("config.php");
include("connection.php");
include("sql.php");

$kd_kota = $_HTTP_GET_VARS['id_kota'];

//fungsi untuk hapus kota
DelKota($kd_kota);
echo "<meta http-equiv='refresh'
content='0;URL=tampil_kota.php'>";

?>
```