

# Pengenalan Koneksi PHP ke Database

**Pengembangan Aplikasi Web - Pekan 7**

**Tim Pengajar MK Pengembangan Aplikasi Web**

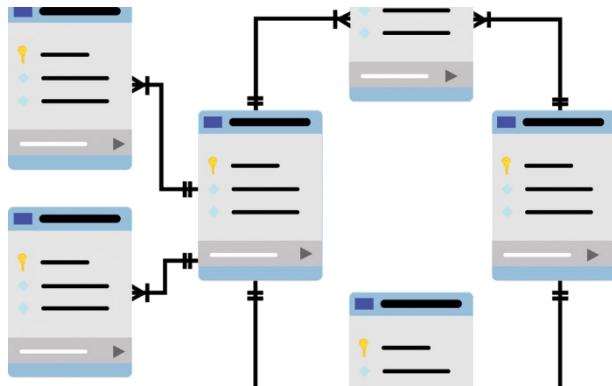


# Minggu 7

# DATABASE



# Database



**Data adalah representasi FAKTA  
dari dunia nyata.**

**Misalkan Data Mahasiswa, Data  
Buku, Barang Toko, dll**



# Database



Contoh Data dalam mahasiswa :

- Nama Mahasiswa
- NIM
- Alamat
- Jurusan
- Alamat Email
- Nomor HP



# Kenapa Perlu Database ?

## PERMASALAHAN

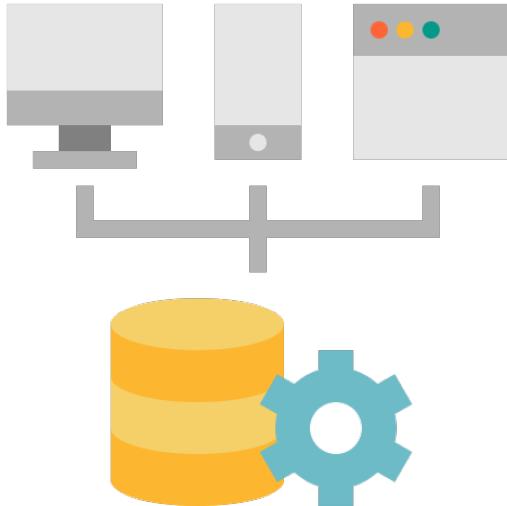
1. KAPASITAS
2. KECEPATAN
3. KEAMANAN
4. DUPLIKASI
5. DLL

## SOLUSI

1. SKALABILITAS
2. TERSEDIA
3. AMAN
4. PERMANEN
5. DLL



# DATABASE

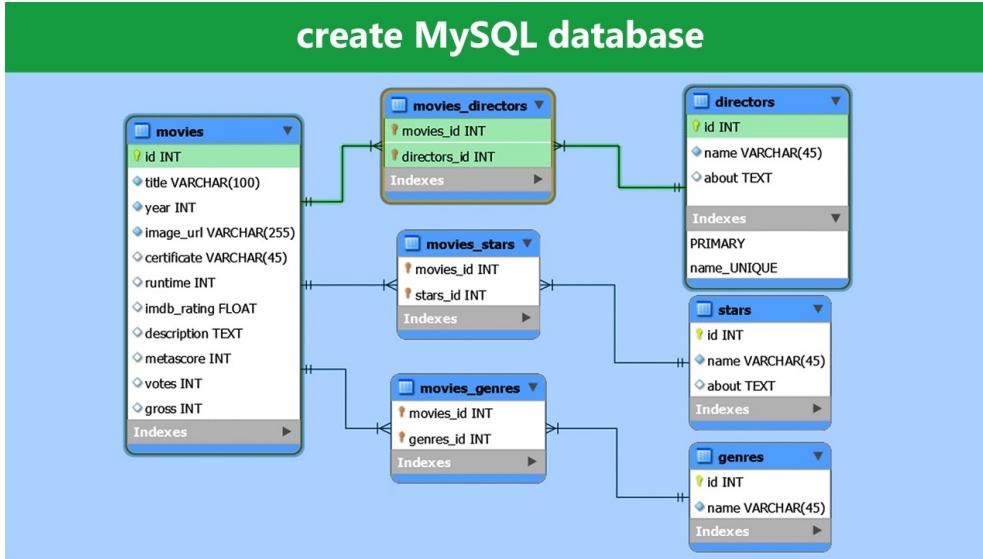


## DBMS

- Oracle
- MySQL
- SQL Server
- PostgreSQL
- MongoDB



# DATABASE

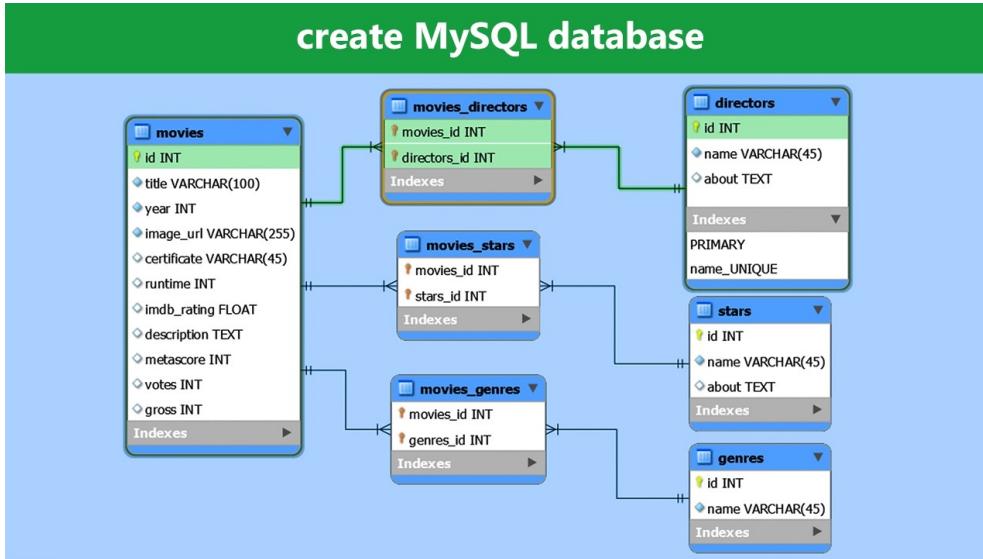


## DBMS

- Relational DBMS
- Hierarchical DBMS
- Network DBMS
- NoSQL DBMS



# DATABASE



## Primary Key

- Sebuah Data, yang dapat merepresentasikan satu baris record secara Unik



# DATABASE

Nama	NIM	Alamat	Prodi	Email
Ahmad	1212145	Bandung	Sistem Informasi	<u>Bangahmad19@gmail.com</u>
Rudy	1217190	Padang	Telekomunikasi	<u>rudietz@yahoo.com</u>
Zahra	1216170	Bau-bau	Teknik Industri	<u>zahraimuet123@Hotmail.com</u>
.....	.....	....	....	

Mana yang termasuk primary key?



# ISTILAH DALAM DATABASE

- FIELD
- ROW
- KEY
  - ✓ Primary Key
  - ✓ Foreign Key
- Auto Increment
- Relationship
- Normalization

DATABASE

# MENGECEK DATABASE

C:\xampp\mysql\bin >> pilih file mysql ( versi guest )  
C:\xampp\mysql\bin>mysql -u root -p ( versi admin )



```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.17134.885]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\ASUS>cd..
C:\Users>cd..
C:\>cd xampp
C:\xampp>cd mysql
C:\xampp\mysql>cd bin
C:\xampp\mysql\bin>mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 2
Server version: 10.1.37-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```

DATABASE

# Membuat Detail Contoh Database

Misalkan kita akan membuat database

Nama Database : phpdasar

Tabel : mahasiswa

**Id :-> integer primary key auto\_increment**

**Nama varchar(100)**

**Nrp varchar(10)**

**Email varchar(10)**

**Jurusan varchar(100)**

**Gambar varchar(100)**



DATABASE



# MEMBUAT DATABASE

Membuat Database

Create database phpdasar;

Menggunakan Database tertentu

Use phpdasar;

Membuat table

Create table mahasiswa (

Id int primary key auto\_increment,

Nama varchar(100),

Nrp varchar(10),

Email varchar(100),

Jurusan varchar(100),

Gambar varchar(100)

);

DATABASE

# DATABASE



```
MariaDB [(none)]> show databases;
+-----+
| Database      |
+-----+
| information_schema |
| mysql          |
| performance_schema |
| phpdasar       |
| phpmyadmin     |
| test           |
+-----+
6 rows in set (0.02 sec)
```

```
MariaDB [(none)]> use phpdasar;
Database changed
MariaDB [phpdasar]> Create table mahasiswa (
    -> Id int primary key auto_increment,
    -> Nama varchar(100),
    -> Nrp varchar(10),
    -> Email varchar(100),
    -> Jurusan varchar(100),
    -> Gambar varchar(100)
    -> );
Query OK, 0 rows affected (0.05 sec)
```

```
MariaDB [phpdasar]>
```

# MENG-CHECK DATABASE

**Melihat database**

**Show tables;**

**Melihat detail table**

**Describe mahasiswa;**



DATABASE

# DATABASE



## MENG-CHECK DATABASE

```
MariaDB [phpdasar]> show tables;
+-----+
| Tables_in_phpdasar |
+-----+
| mahasiswa          |
+-----+
1 row in set (0.01 sec)

MariaDB [phpdasar]> describe mahasiswa;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra        |
+-----+-----+-----+-----+-----+-----+
| Id    | int(11)   | NO   | PRI | NULL    | auto_increment |
| Nama  | varchar(100)| YES  |     | NULL    |               |
| Nrp   | varchar(10) | YES  |     | NULL    |               |
| Email | varchar(100)| YES  |     | NULL    |               |
| Jurusan | varchar(100)| YES  |     | NULL    |               |
| Gambar | varchar(100)| YES  |     | NULL    |               |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.02 sec)

MariaDB [phpdasar]>
```



# CRUD DATABASE

**Masukan data ke database ( CREATE)**

```
Insert into mahasiswa values (' ', ' Rahmat Fauzi', '1213719','rahmatfauzi@gmail.com', 'Ekonomi Bisnis','rahmatfauzi.jpeg');
```

**Melihat hasil data (READ)**

```
Select * from mahasiswa;
```

**Mengubah data (UPDATE )**

```
Update mahasiswa set jurusan = 'Teknik Elektro' where id = 2;
```

**Menghapus data ( DELETE)**

```
Delete from mahasiswa where id = 3;
```

**Menghapus TABEL SEMUA**

```
Drop table mahasiswa;
```

DATABASE



## DATABASE



```
c:\ Command Prompt - mysql -u root -p
MariaDB [(none)]> use phpdasar;
Database changed
MariaDB [phpdasar]> describe mahasiswa;
+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra           |
+-----+-----+-----+-----+-----+
| Id    | int(11)   | NO   | PRI | NULL    | auto_increment |
| Nama  | varchar(100)| YES  |     | NULL    |                 |
| Nrp   | varchar(10) | YES  |     | NULL    |                 |
| Email | varchar(100)| YES  |     | NULL    |                 |
| Jurusan | varchar(100)| YES  |     | NULL    |                 |
| Gambar | varchar(100)| YES  |     | NULL    |                 |
+-----+-----+-----+-----+-----+
6 rows in set (0.02 sec)

MariaDB [phpdasar]> insert into mahasiswa values ('','rahmat fauzi','12563489','rahmatfauzi@gmail.com',' Ekonomi Bisnis','rahmatfauzi1.jpeg');
Query OK, 1 row affected, 1 warning (0.01 sec)

MariaDB [phpdasar]> Select * from mahasiswa;
+-----+-----+-----+-----+-----+
| Id | Nama      | Nrp   | Email        | Jurusan       | Gambar         |
+-----+-----+-----+-----+-----+
| 1  | rahmat fauzi | 12563489 | rahmatfauzi@gmail.com | Ekonomi Bisnis | rahmatfauzi1.jpeg |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

MariaDB [phpdasar]>
```

Coba tambahkan lagi data mahasiswa hingga berjumlah 5 mahasiswa

```
MariaDB [phpdasar]> select * from mahasiswa;
+-----+-----+-----+-----+-----+
| Id | Nama      | Nrp   | Email        | Jurusan       | Gambar         |
+-----+-----+-----+-----+-----+
| 1  | rahmat fauzi | 12563489 | rahmatfauzi@gmail.com | Ekonomi Bisnis | rahmatfauzi1.jpeg |
| 2  | fabian rizky | 19027856 | fabian@yahoo.com | Teknik Telekomunikasi | fabian.jpeg |
| 3  | zahra dwi kusuma putri | 13907534 | zahradkp@gmail.com | Teknik Industri | zahra.jpeg |
+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

MariaDB [phpdasar]>
```

# Cara lain membuat Database

1. Buka xampp
2. Jalankan Apache dan MySQLnya
3. Buka browser ketik localhost/phpmyadmin

The screenshot shows the phpMyAdmin interface running in a web browser. The left sidebar lists databases: New, information\_schema, mysql, performance\_schema, phpdasar, New, mahasiswa, phpmyadmin, and test. The main content area has four panels:

- General settings:** Server connection collation is set to utf8mb4\_unicode\_ci.
- Appearance settings:** Language is English, Theme is pmahomme, and Font size is 82%.
- Database server:** Lists the server configuration: 127.0.0.1 via TCP/IP, MariaDB server type, SSL not being used, version 10.1.37-MariaDB, protocol 10, user root@localhost, and UTF-8 Unicode charset.
- Web server:** Lists the web server configuration: Apache/2.4.37 (Win32) OpenSSL/1.1.1a PHP/7.3.1, database client version libmysql - mysqld 5.0.12-dev - 20150407 - \$Id: 401a40ebd5e281cf22215acdc170723a1519aaa9 \$, PHP extension mysqli curl mbstring, and PHP version 7.3.1.



DATABASE

# Cara lain membuat Database



## DATABASE

	<input type="button" value="←"/> <input type="button" value="→"/>	<input type="button" value="▼"/>	<b>Id</b>	<b>Nama</b>	<b>Nrp</b>	<b>Email</b>	<b>Jurusan</b>	<b>Gambar</b>	
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	1	rahmat fauzi	12563489	rahmatfauzi@gmail.com	Ekonomi Bisnis	rahmatfauzi1.jpeg
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	2	fabian rizky	19027856	fabian@yahoo.com	Teknik Telekomunikasi	fabian.jpeg
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	3	zahra dwi kusuma putri	13907534	zahradkp@gmail.com	Teknik Industri	zahra.jpeg



	<input type="button" value="←"/> <input type="button" value="→"/>	<input type="button" value="▼"/>	<b>Id</b>	<b>Nama</b>	<b>Nrp</b>	<b>Email</b>	<b>Jurusan</b>	<b>Gambar</b>	
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	1	rahmat fauzi	12563489	rahmatfauzi@gmail.com	Ekonomi Bisnis	rahmatfauzi1.jpeg
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	2	fabian rizky	19027856	fabian@yahoo.com	Teknik Telekomunikasi	fabian.jpeg
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	3	zahra dwi kusuma putri	13907534	zahradkp@gmail.com	Teknik Industri	zahra.jpeg
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	4	rudi diantara	1456711	rudidi@yahoo.com	Sistem Informasi	rudi.jpeg
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	5	Kamalia Dewi	17892345	kamalia@gamil.com	Teknik Perhotelan	dewi.png

Tambahkan data nya menjadi 10 mahasiswa



# Menghubungkan dengan Database

1. Ekstensi MySQLi
2. PDO ( PHP DATA Object )

DATABASE

# Perbandingan



## DATABASE

Aspek	MySQLi	PDO
Jenis DB yang didukung	MySQL	berbagai jenis database (MySQL, PostgreSQL, SQL Server, Dll)
Fleksibilitas & Portabilitas	Terbatas	Lebih Flexibel
Kinerja	Lebih cepat sedikit	Lebih lembat sedikit



# Menghubungkan dengan Database

Coba bikin Tabel Data sederhana dengan HTML seperti gambar di bawah ini

The screenshot shows a web browser window titled "HALAMAN ADMIN". The address bar displays "localhost/phpdasar/pertemuan9/". The page content is a table titled "Daftar BARANG TOKO ABC" with the following data:

No.	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang	Aksi
1		Bolpoin	ATK0001	2000	100	<a href="#">Ubah</a> <a href="#">Hapus</a>

Daftar BARANG TOKO ABC

No.	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang	Aksi
1		Bolpoin	ATK0001	2000	100	<a href="#">Ubah</a> <a href="#">Hapus</a>



# LETS CODE : Menghubungkan Database

```
index.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head><title>HALAMAN ADMIN</title></head>
4  <body>
5      <h1>Daftar BARANG TOKO ABC</h1>
6      <table border="1" cellpadding="10" cellspacing="0">
7          <tr>
8              <th>No.</th>
9              <th>Gambar</th>
10             <th>Nama Barang</th>
11             <th>Kode Barang</th>
12             <th>Harga Barang</th>
13             <th>Stok Barang</th>
14             <th>Aksi</th>
15         </tr>
16         <tr>
17             <td>1</td>
18             <td></td>
19             <td>Bolpoin</td>
20             <td>ATK0001</td>
21             <td>2000</td>
22             <td>100</td>
23             <td>
24                 <a href="">Ubah</a>
25                 <a href="">Hapus</a>
26             </td>
27         </tr>
28     </table>
29
30 </body>
```



# Menghubungkan dengan Database

```
<?php
//koneksi ke database
$conn = mysqli_connect("nama host","username","password","nama database");

//ambil data dari tabel database / query data
$result = mysqli_query($conn,"SELECT * FROM nama tabel");

//ambil data (fetch) data dari object $result
//mysqli_fetch_row() // mengembalikan array numerik
//mysqli_fetch_assoc() // mengembalikan array associative
//mysqli_fetch_array() // mengembalikan array keduanya
//mysql_fetch_object() // mengembalikan objek

?>
```



# Cara 1 Menghubungkan dengan Database

```
index2.php
1   <?php
2   //koneksi ke database
3   $conn = mysqli_connect("localhost","root","","phpdasar");
4   //ambil dari tabel tokoabc / query data tokoabc
5   $result = mysqli_query($conn,"SELECT * FROM tokoabc");
6   //var_dump ($result);
7   //ambil data (fetch) tokoabc dari object result
8   //mysqli_fetch_row() // mengembalikan array numerik
9   //mysqli_fetch_assoc() // mengembalikan array associative
10  //mysqli_fetch_array() // mengembalikan array keduanya
11  //mysql_fetch_object() // mengembalikan objek
12  //while ( $brg = mysqli_fetch_assoc($result) ) {
13  //    var_dump($brg);
14  //}
15  ?>
16  <!DOCTYPE html>
17  <html lang="en">
18  <head><title>HALAMAN ADMIN</title></head>
19  <body>
20      <h1>Daftar BARANG TOKO ABC</h1>
21      <table border="1" cellpadding="10" cellspacing="0">
22          <tr>
23              <th>No.</th>
24              <th>Aksi</th>
```



# Cara 2 :Menghubungkan Database MVC

```
dex.php
<?php
//mendefinisikan dulu
require'functions.php';
//hasil query dari rows
$brg = query("SELECT * FROM tokoabc");
?>

<!DOCTYPE html>
<html lang="en">
<head><title>HALAMAN ADMIN</title></head>
<body>
    <h1>Daftar BARANG TOKO ABC</h1>
    <table border="1" cellpadding="10" cellspacing="0">
        <tr>
            <th>No.</th>
            <th>Aksi</th>
            <th>Gambar</th>
            <th>Nama Barang</th>
            <th>Kode Barang</th>
            <th>Harga Barang</th>
            <th>Stok Barang</th>
        </tr>
        <?php $i =1; ?>
        <?php foreach ($brg as $row) : ?>
        <tr>
            <td><?= $i?></td>
            <td>
```

```
functions.php ✘ index.php
functions.php ▾ ...
1   <?php
2   //koneksi ke database
3   $conn = mysqli_connect("localhost","root","","phpdasar");
4   //ambil dari tabel tokoabc / query data tokoabc
5
6   function query($query){
7       global $conn;
8       //sebagai lemari
9       $result = mysqli_query($conn,$query);
10      //rows sebagai wadah kosong
11      $rows = [];
12      //item yang diambil
13      //row adalah item yang diambil
14      while( $row = mysqli_fetch_assoc($result)){
15          $rows [] = $row;
16      }
17
18  }
19
20  return $rows;
21
22 }
```



# Hasil Terhubung dengan Database

	+ Options	← T →	no	kodebarang	namabarang	Gambar	hargajual	stokbarang	
<input type="checkbox"/>	Edit	Copy	Delete	1	ATK0001	Buku Gambar	bukutulis.jpg	1500	100
<input type="checkbox"/>	Edit	Copy	Delete	4	TAS001	Tas Eiger	pp.jpg	100000	3
<input type="checkbox"/>	Edit	Copy	Delete	5	SPT001	Sepatu Adidas	instagram.jpg	250000	5
<input type="checkbox"/>	Edit	Copy	Delete	6	ATK0002	penghapus	penghapus.jpg	700	10
<input type="checkbox"/>	Edit	Copy	Delete	8	ATK0003	penggaris	bolpoin.jpg	3000	5

## Daftar BARANG TOKO ABC

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penghapus	ATK0002	700	10
5	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penggaris	ATK0003	3000	5



# Bab 8

## Create Read Update Delete ( CRUD )



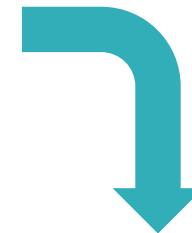
# Bab 8

## Create Data

# Daftar BARANG TOKO ABC

[Tambah Data Barang Toko ABC](#)

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penghapus	ATK0002	700	10



CRUD

## Tambah data barang toko ABC

- Kode Barang :
- Nama Barang :
- Harga Barang :
- Stok Barang :
- Gambar Barang :
-

index.php

```
1 <?php
2 //mendefinisikan dulu
3 require'functions.php';
4 //hasil query dari rows
5 $brg = query("SELECT * FROM tokoabc");
?>

6 <!DOCTYPE html>
7 <html lang="en">
8 <head><title>HALAMAN ADMIN</title></head>
9 <body>
10 <h1>Daftar BARANG TOKO ABC</h1>
11
12 <a href="tambah.php">Tambah Data Barang Toko ABC</a>
13 <br><br>
14
15 <table border="1" cellpadding="10" cellspacing="0">
16   <tr>
17     <th>No.</th>
18     <th>Aksi</th>
19     <th>Gambar</th>
20     <th>Nama Barang</th>
21     <th>Kode Barang</th>
22     <th>Harga Barang</th>
23     <th>Stok Barang</th>
24
25   </tr>
26   <?php $i =1; ?>
```

tambah.php

```
1   <!DOCTYPE html>
2   <html lang="en">
3     <head>
4       <title>Tambah data barang toko ABC</title>
5     </head>
6     <body>
7       <h1>Tambah data barang toko ABC</h1>
8       <form action="" method="post">
9         <ul>
10           <li>
11             <label for="kodebarang">Kode Barang :</label>
12             <input type="text" name="kodebarang" id="kodebarang">
13           </li>
14           <li>
15             <label for="namabarang">Nama Barang :</label>
16             <input type="text" name="namabarang" id="namabarang">
17           </li>
18           <li>
19             <label for="hargajual">Harga Barang :</label>
20             <input type="text" name="hargajual" id="hargajual">
21           </li>
22           <li>
23             <label for="stokbarang">Stok Barang :</label>
24             <input type="text" name="stokbarang" id="stokbarang">
25           </li>
26           <li>
27             <label for="namabarang">Gambar Barang :</label>
28             <input type="text" name="Gambar" id="namabarang">
29           </li>
30           <li>
```

# Menambah Logika Isset dan menghubungkan ke Database

```
tambah.php x
tambah.php
1  <?php
2  //koneksi ke DBMS mysql
3  $conn = mysqli_connect("localhost","root","","phpdasar");
4  //cek apakah tombol submit sudah ditekan atau belum
5  if( isset($_POST["submit"])){
6      //ambil data dari tiap elemen dalam form
7      $kodebarang = $_POST["kodebarang"];
8      $namabarang = $_POST["namabarang"];
9      $gambar = $_POST["Gambar"];
10     $hargajual = $_POST["hargajual"];
11     $stokbarang = $_POST["stokbarang"];
12
13
14     //query insert data
15     $query = "INSERT INTO tokoabc
16         VALUES
17             ('','$kodebarang','$namabarang','$gambar','$hargajual','$stokbarang')
18             ";
19     mysqli_query($conn,$query);
20 }
21
22 ?>
```

# Menambah Logika Isset dan menghubungkan ke Database

## Tambah data barang toko ABC

- Kode Barang : BUAH0001
- Nama Barang : rambutan
- Gambar Barang : rambutan.jpg
- Harga Barang : 10000
- Stok Barang : 15
- **TAMBAH DATA**



The screenshot shows the MySQL Workbench interface with the 'tokoabc' database selected. The 'Insert' tab is highlighted. A large teal curved arrow points from the 'TAMBAH DATA' button in the previous screenshot to the 'Insert' tab here, indicating the action to perform.

no	kodebarang	namabarang	Gambar	hargajual	stokbarang
12	BUAH0001	rambutan	rambutan.jpg	10000	15
4	TAS001	Tas Eiger	pp.jpg	100000	3
6	ATK0002	penghapus	penghapus.jpg	700	10
5	SPT001	Sepatu Adidas	instagram.jpg	250000	5
1	ATK0001	Buku Gambar	bukutulis.jpg	1500	100
8	ATK0003	penggaris	bolpoint.jpg	3000	5

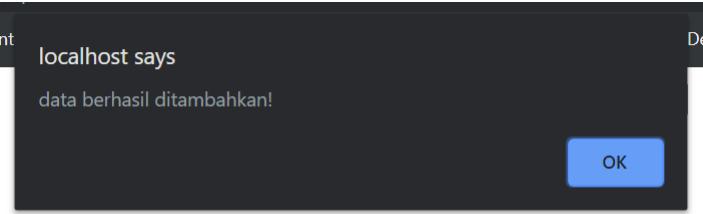
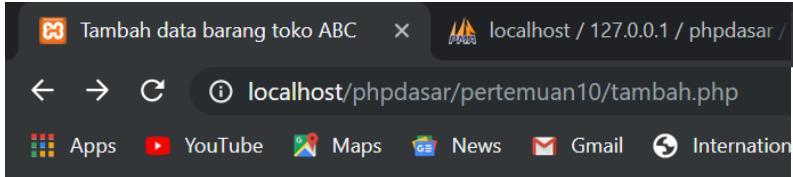
# Data berhasil ditambah ke database dan index

[Tambah Data Barang Toko ABC](#)

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penghapus	ATK0002	700	10
5	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penggaris	ATK0003	3000	5
6	<a href="#">Ubah</a>   <a href="#">Hapus</a>		rambutan	BUAH0001	10000	15



# [Tambah] Menambah Pop Up sebagai Penanda



## Tambah data barang toko ABC

- Kode Barang : BUAH0002
- Nama Barang : semangka
- Gambar Barang : semangka.jpeg
- Harga Barang : 12000
- Stok Barang : 90
- **TAMBAH DATA**



Tambah Data Barang Toko ABC

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penghapus	ATK0002	700	10
5	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penggaris	ATK0003	3000	5
6	<a href="#">Ubah</a>   <a href="#">Hapus</a>		rambutan	BUAH0001	10000	15
7	<a href="#">Ubah</a>   <a href="#">Hapus</a>		semangka	BUAH0002	12000	90



# Jawaban Menambah Pop Up sebagai Penanda

tambah.php

```
9 // $namabarang = $_POST["namabarang"];
10 // $gambar = $_POST["Gambar"];
11 // $hargajual = $_POST["hargajual"];
12 // $stokbarang = $_POST["stokbarang"];
13
14 //cek apakah data berhasil ditambahkan atau tidak
15 //if( var_dump(mysql_affected_rows($conn)) {
16 //    echo "berhasil";
17 //} else {
18 //    echo "gagal";
19 //    echo "<br>";}
20 //    echo mysqli_error($conn);
21 //}
22
23 if (tambah ($_POST) >0 ){
24     echo "
25         <script>
26             alert('data berhasil ditambahkan!');
27             document.location.href = 'index.php';
28         </script>
29     ";
30 } else {
31     echo "
32         <script>
33             alert('data gagal ditambahkan!');
34             document.location.href = 'index.php';
35         </script>
36     ";
37 }
38 }
```

functions.php > query

```
1
2
3     function query($query){
4         global $conn;
5         //sebagai Lemari
6         $result = mysqli_query($conn,$query);
7         //rows sebagai wadah kosong
8         $rows = [];
9         //item yang diambil
10        //row adalah item yang diambil
11        while( $row = mysqli_fetch_assoc($result)){
12            $rows [] = $row;
13        }
14        return $rows;
15    }
16
17
18    function tambah($data){
19        //ambil data dari tiap elemen dalam form
20        global $conn;
21        $kodebarang = $data["kodebarang"];
22        $namabarang = $data["namabarang"];
23        $gambar = $data["Gambar"];
24        $hargajual = $data["hargajual"];
25        $stokbarang = $data["stokbarang"];
26        //query insert data
27        $query = "INSERT INTO tokoabc
28        VALUES
29        ('','$kodebarang','$namabarang','$gambar','$hargajual','$stokbarang')
30        ";
31        mysqli_query($conn,$query);
32    }
33
34
35
36
37
38 }
```



# Bab 8

## Delete Data

# MENGHAPUS DATA

Tambah Data Barang Toko ABC

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penghapus	ATK0002	700	10
5	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penggaris	ATK0003	3000	5
6	<a href="#">Ubah</a>   <a href="#">Hapus</a>		rambutan	BUAH0001	10000	15
7	<a href="#">Ubah</a>   <a href="#">Hapus</a>		semangka	BUAH0002	12000	90



# MENGHAPUS DATA

index.php

```
28 <?php $i =1; ?>
29 <?php foreach ($brg as $row) : ?>
30 <tr>
31     <td><?= $i?></td>
32     <td>
33         <a href="">Ubah</a> |
34         <a href="hapus.php?no=<?= $row["no"]; ?>">Hapus</a>
35     </td>
36     <td>" width="50"></td>
37     <td><?= $row["namabarang"]; ?></td>
38     <td><?= $row["kodebarang"]; ?></td>
39     <td><?= $row["hargajual"]; ?></td>
40     <td><?= $row["stokbarang"]; ?></td>
41 
42     </tr>
43     <?php $i++; ?>
44     <?php endforeach; ?>
```

hapus.php

```
1  <?php
2  require 'functions.php';
3  $no = $_GET["no"];
4
5  if (hapus($no) > 0){
6      echo "
7      <script>
8          alert('data berhasil dihapus!');
9          document.location.href = 'index.php';
10     </script>
11 ";
12 } else {
13     echo "
14     <script>
15         alert('data gagal dihapus!');
16         document.location.href = 'index.php';
17     </script>
18 ";
19 }
20
21 ?>
```

# MENGHAPUS DATA

```
functions.php > ...
36
37
38
39 function hapus($no){
40     global $conn;
41     mysqli_query($conn, "DELETE FROM tokoabc WHERE no = $no");
42     return mysqli_affected_rows($conn);
43 }
44 ?>
45
```

# BERHASIL MENGHAPUS DATA

localhost says

data berhasil dihapus!

OK

## Daftar BARANG TOKO ABC

[Tambah Data Barang Toko ABC](#)

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penghapus	ATK0002	700	10
5	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penggaris	ATK0003	3000	5



# MENAMBAH POP UP CONFIRM SEBELUM DELETE

A screenshot of a web browser window titled "localhost says". The main content area shows a table titled "Daftar BARANG TOKO ABC" with four rows of data. The last row contains a redacted image. A confirmation dialog box is overlaid on the page, asking "Apakah anda yakin menghapus data?". The dialog has "OK" and "Cancel" buttons. A large teal arrow points from the text "KONSEP SIGNIFIER DAN CONSTRAIN di PERANCANGAN INTERAKSI" to this dialog box.

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Penghapus	ATK003	3000	12

**KONSEP SIGNIFIER DAN CONSTRAIN  
di PERANCANGAN INTERAKSI**

# MENAMBAH POP UP CONFIRM SEBELUM DELETE

```
index.php
24 <th>Harga Barang</th>
25 <th>Stok Barang</th>
26
27 </tr>
28 <?php $i =1; ?>
29 <?php foreach ($brg as $row) : ?>
30 <tr>
31 <td><?= $i?></td>
32 <td>
33 <a href="">Ubah</a> |
34 <a href="hapus.php?no=<?= $row["no"]; ?>" onclick="return confirm('Apakah anda yakin menghapus data?');">Hapus</a>
35 </td>
36 <td>" width="50"></td>
37 <td><?= $row["namabarang"]; ?></td>
38 <td><?= $row["kodebarang"]; ?></td>
39 <td><?= $row["hargajual"]; ?></td>
40 <td><?= $row["stokbarang"]; ?></td>
41
42 </tr>
43 <?php $i++; ?>
44 <?php endforeach; ?>
45
46 </table>
47 </body>
48 </html>
```





# Bab 8

## Update Data

# DATA AWAL

## Daftar BARANG TOKO ABC

[Tambah Data Barang Toko ABC](#)

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	100
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penghapus	ATK0002	700	10
5	<a href="#">Ubah</a>   <a href="#">Hapus</a>		penggaris	ATK0003	3000	5

# UPDATE DATA

## Ubah data barang toko ABC

- Kode Barang :
- Nama Barang :
- Gambar Barang :
- Harga Barang :
- Stok Barang :
-

# UPDATE DATA

Duplikat data dari pertemuan 10 ke pertemuan 11

Pertemuan 11, Buka file **index.php**

Di Folder pertemuan11, kita buat file **ubah.php**  
( isinya copy paste dari file **tambah.php**)

# UPDATE DATA

```
index.php
21 <th>Gambar</th>
22 <th>Nama Barang</th>
23 <th>Kode Barang</th>
24 <th>Harga Barang</th>
25 <th>Stok Barang</th>
26 </tr>
27 <?php $i = 1; ?>
28 <?php foreach ($brg as $row) : ?>
29 <tr>
30 <td><?= $i?></td>
31 <td>
32 <a href="ubah.php?no=<?= $row["no"]; ?>">Ubah</a> |
33 <a href="hapus.php?no=<?= $row["no"]; ?>" onclick="return confirm('Apakah anda yakin menghapus data?');">Hapus</a>
34 </td>
35 <td>" width="50"></td>
36 <td><?= $row["namabarang"]; ?></td>
37 <td><?= $row["kodebarang"]; ?></td>
38 <td><?= $row["hargajual"]; ?></td>
39 <td><?= $row["stokbarang"]; ?></td>
40
41
```

# UPDATE DATA

```
ubah.php
1 <?php
2 require 'functions.php';
3 //mengambil data di URL
4 $no = $_GET["no"];
5 //query barang berdasarkan nomor nya -> pakai query dari function.php
6 $brg = query("SELECT * FROM tokoabc WHERE no = $no")[0];
7
8
9 //cek apakah tombol submit sudah ditekan atau belum
10 if( isset($_POST["submit"])){
11     //cek apakah data berhasil diubah atau tidak
12     if (ubah($_POST) >0 ){
13         echo "
14             <script>
15                 alert('data berhasil diubah!');
16                 document.location.href = 'index.php';
17             </script>
18         ";
19     } else {
20         echo "
21             <script>
22                 alert('data gagal diubah!');
23                 document.location.href = 'index.php';
24             </script>
25         ";
26     }
27 }
28 ?>
29
30 <!DOCTYPE html>
31 <html lang="en">
32 <head>
33     <title>Ubah data barang toko ABC</title>
34 </head>
35 <body>
36     <h1>Ubah data barang toko ABC</h1>
37     <form action="" method="post">
38         <input type="hidden" name="no" value=<?= $brg["no"];?> >
39         <ul>
40             <li>
41                 <label for="kodebarang">Kode Barang :</label>
42                 <input type="text" name="kodebarang" id="kodebarang" required
43                     value=<?= $brg["kodebarang"];?>">
44             </li>
45             <li>
46                 <label for="namabarang">Nama Barang :</label>
47                 <input type="text" name="namabarang" id="namabarang"
48                     required
49                     value=<?= $brg["namabarang"];?>">
50             </li>
51             <li>
52                 <label for="gambarbarang">Gambar Barang :</label>
53                 <input type="text" name="Gambar" id="gambarbarang"
54                     required
55                     value=<?= $brg["Gambar"];?>">
56             </li>
57             <li>
58                 <label for="hangajual">Harga Barang :</label>
```

```
ubah.php
29
30     <!DOCTYPE html>
31     <html lang="en">
32     <head>
33         <title>Ubah data barang toko ABC</title>
34     </head>
35     <body>
36         <h1>Ubah data barang toko ABC</h1>
37         <form action="" method="post">
38             <input type="hidden" name="no" value=<?= $brg["no"];?> >
39             <ul>
40                 <li>
41                     <label for="kodebarang">Kode Barang :</label>
42                     <input type="text" name="kodebarang" id="kodebarang" required
43                         value=<?= $brg["kodebarang"];?>">
44                 </li>
45                 <li>
46                     <label for="namabarang">Nama Barang :</label>
47                     <input type="text" name="namabarang" id="namabarang"
48                         required
49                         value=<?= $brg["namabarang"];?>">
50                 </li>
51                 <li>
52                     <label for="gambarbarang">Gambar Barang :</label>
53                     <input type="text" name="Gambar" id="gambarbarang"
54                         required
55                         value=<?= $brg["Gambar"];?>">
56                 </li>
57                 <li>
58                     <label for="hangajual">Harga Barang :</label>
```

# UPDATE DATA

ubah.php

```
52     <label for="gambarbarang">Gambar Barang :</label>
53     <input type="text" name="Gambar" id="gambarbarang"
54         required
55         value=<?= $brg["Gambar"];?>>
56   </li>
57   <li>
58     <label for="hargajual">Harga Barang :</label>
59     <input type="text" name="hargajual" id="hargajual"
60         required
61         value=<?= $brg["hargajual"];?>>
62   </li>
63   <li>
64     <label for="stokbarang">Stok Barang :</label>
65     <input type="text" name="stokbarang" id="stokbarang"
66         required
67         value=<?= $brg["stokbarang"];?>>
68   </li>
69   <li>
70     <button type="submit" name="submit">UBAH DATA</button>
71   </li>
72 </ul>
73 </form>
74
75
76
77
78 </body>
79 </html>
```

# UPDATE DATA

```
functions.php > ...
44
45 <?php
46     function ubah($data){
47         global $conn;
48         $no = $data["no"];
49         $kodebarang = $data["kodebarang"];
50         $namabarang = $data["namabarang"];
51         $Gambar = $data["Gambar"];
52         $hargajual = $data["hargajual"];
53         $stokbarang = $data["stokbarang"];
54
55         //query ubah data
56         $query = "UPDATE tokoabc SET
57             kodebarang = '$kodebarang',
58             namabarang = '$namabarang',
59             Gambar = '$Gambar',
60             hargajual = '$hargajual',
61             stokbarang = '$stokbarang'
62             WHERE no = $no
63         ";
64         mysqli_query($conn,$query);
65         return mysqli_affected_rows($conn);
66     }
67 ?>
68
```

# UPDATE DATA

## Ubah data barang toko ABC

- Kode Barang : ATK0001
- Nama Barang : Buku Gambar
- Gambar Barang : bukutulis.jpg
- Harga Barang : 1500
- Stok Barang : 800
- UBAH DATA



## Daftar BARANG TOKO ABC

[Tambah Data Barang Toko ABC](#)

No.	Aksi	Gambar	Nama Barang	Kode Barang	Harga Barang	Stok Barang
1	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Buku Gambar	ATK0001	1500	800
2	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Tas Eiger	TAS001	100000	3
3	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Sepatu Adidas	SPT001	250000	5
4	<a href="#">Ubah</a>   <a href="#">Hapus</a>		Penghapus	ATK003	1500	90

# HASILNYA



# Any Question ?

## Thank you



## Link Referensi Tambahan

www.Youtube.com/webprogrammingUNPAS  
Modul Praktikum WAD SI FRI  
Modul Praktikum WAD Teknik Informatika FIF  
<https://www.petanikode.com/tutorial/php/>