

Modul 3

Database – Tabel – File
koneksi

Cara Menjalankan

- **Buka Web Browser**
 - Firefox, Chrome, Opera, dll
- **Ketik alamat url di address bar**
 - [http://localhost/\[nama_folder\]/\[nama_file\].php](http://localhost/[nama_folder]/[nama_file].php)
- **Contoh :**
 - <http://localhost/weblanjut/hello.php>

RDBMS

- PHP – MySQL
- RDBMS = Software Database
- Contoh : MySQL, SQL Server, Oracle, dll

Syarat dasar : Storage, Transaksi,
Administrasi



Tools : PHPMyAdmin, Navicat, SQL Plus, dll


PHPMyAdmin


- Akses : <http://localhost/phpmyadmin>
- User : root
- Pass :

Membuat Database

- Nama Database : “weblanjut”

 **Create new database** 

 [Show MySQL runtime information](#)

 Database weblanjut has been created.

SQL query: —

```
CREATE DATABASE `weblanjut` ;
```

Pembuatan Database Berhasil

Membuat Tabel

- Nama Tabel : “kelas”
- Jumlah Kolom : 3



Create new table on database [weblanjut](#)

Name:

Number of fields:

Klik : Go

Mengatur Kolom

Nama Kolom : id_kelas, gedung, angka

Server: localhost ► Database: weblanjut ► Table: kelas


Field	Type ?	Length/Values ¹	Collation
id_kelas	INT ▼	2	
gedung	VARCHAR ▼	1	
angka	VARCHAR ▼	4	

Set kolom **id_kelas** sebagai **Primary Key** dan **autoincrement**

Storage Engine diganti : **InnoDB**

Klik : Save

Pembuatan Tabel Berhasil

 Table `weblanjut`.`kelas` has been created.

– SQL query: –

```
CREATE TABLE `kelas` (  
  `id_kelas` INT( 2 ) NOT NULL AUTO_INCREMENT PRIMARY KEY ,  
  `gedung` VARCHAR( 1 ) NOT NULL ,  
  `angka` VARCHAR( 4 ) NOT NULL  
) ENGINE = INNODB;
```

	Field	Type	Collation	Attributes	Null
<input type="checkbox"/>	<u>id_kelas</u>	int(2)			No
<input type="checkbox"/>	gedung	varchar(1)	utf8_general_ci		No
<input type="checkbox"/>	angka	varchar(4)	utf8_general_ci		No

Input Data

- Klik menu “Insert”

Server: localhost ▶ Database: weblanjut ▶ Table: kelas

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [I](#)

Field	Type	Function	Null	Value
id	int(2)			1
gedung	varchar(1)			M
angka	varchar(4)			3.1

☐ Ignore

Field	Type	Function	Null	Value
id	int(2)			2
gedung	varchar(1)			M
angka	varchar(4)			3.2

Klik : Go

Menampilkan Data

- Klik menu “Browse”

			id	gedung	angka
			1	M	3.1
			2	M	3.2
			3	M	3.3
			4	M	3.4
			5	Q	1.1
			6	Q	1.2
			7	Q	3.1
			8	Q	3.2

Export Database

- Klik Menu “Export”

☐ PDF

☒ SQL

☐ XML



Pastikan Memilih SQL

☒ Save as file

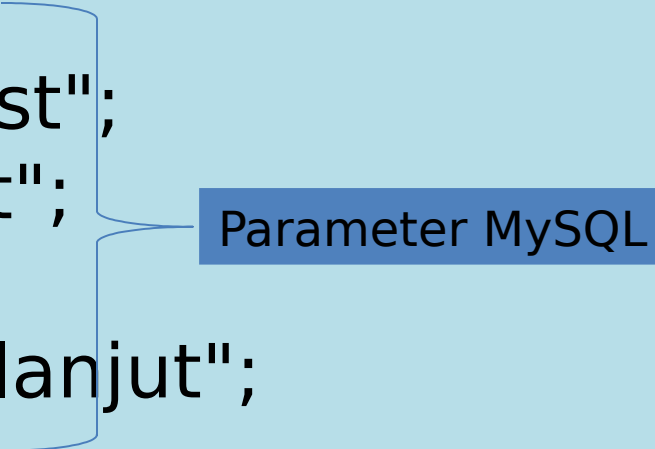
File name template ⁽¹⁾: (☒ remember template)

Compression: ☒ None ☐ "zipped" ☐ "gzipped"

Klik : Go

koneksi.php

```
<?
$server = "localhost";
$username = "root";
$password = "";
$database = "weblanjut";
```



Parameter MySQL

```
// Koneksi dan memilih database di server
$koneksi = mysqli_connect($server,
$username, $password, $database)
or die(mysqli_connect_error());
?>
```

kelas.php

```
<?php
```

Masukkan kunci

```
include "koneksi.php";
```

```
$query = "select * from kelas";
```

```
$hasil = mysqli_query($koneksi, $query);
```

Query SQL

```
echo "Data Kelas FTIK : <br>";
```

```
echo "Tambah Data <br>";
```

Menampilkan Data

```
while($data=mysqli_fetch_array($hasil)){
```

```
    echo "$data[id_kelas]. $data[gedung]
```

```
$data[angka] :: ";
```

```
    echo "Edit | Hapus <br>";
```

```
}
```

```
?>
```

Tampilkan

- Tampilkan nomor urut
- Data terbaru ada di awal
- Ruangan di Gedung M saja
- Ruangan di Gedung Q dan Lantai 1 saja
- Semua ruangan di lantai 3