

**RDBMS**

# 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 : [kosongkan saja]

# Membuat Database


- Nama Database : “weblanjut”


 **Create new database** 

weblanjut

Collation

Create

 [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 <sup>1</sup>	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"/>	<b>gedung</b>	varchar(1)	utf8_general_ci		No
<input type="checkbox"/>	<b>angka</b>	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 database “weblanjut” → “Export”

☐ PDF

☒ SQL

☐ XML



Pastikan Memilih SQL

☒ Save as file

File name template <sup>(1)</sup>:  ( ☒ remember template )

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

Klik : Go

# koneksi.php

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

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

# kelas.php

```
<?php
```

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

← Memasukkan Kunci

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

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

} Perintah SQL

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

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

```
    echo "$data[id_kelas]. $data[gedung] $data[angka] <br>";
```

```
}
```

```
?>
```

↑ ↑ Nama-nama Kolom di Database

# 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