

RDBMS

Praktikum 3

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 : ftikusm


Membuat Database

- Nama Database : “weblanjut”

 **Create new database** ?

weblanjut Collation

 Show MySQL runtime information


 Database weblanjut has been created.

SQL query: _____

CREATE DATABASE 'weblanjut' ;

Membuat Tabel

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

 Create new table on database weblanjut

Name: kelas Number of fields: 3

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"/>	id_kelas	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

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”

←T→	id	gedung	angka
<input type="checkbox"/>  	1	M	3.1
<input type="checkbox"/>  	2	M	3.2
<input type="checkbox"/>  	3	M	3.3
<input type="checkbox"/>  	4	M	3.4
<input type="checkbox"/>  	5	Q	1.1
<input type="checkbox"/>  	6	Q	1.2
<input type="checkbox"/>  	7	Q	3.1
<input type="checkbox"/>  	8	Q	3.2

Export Database

- Klik Menu "Export"

☐ PDF
☒ SQL
☐ XML

← Pastikan Memilih SQL

☒ Save as file—
 File name template (1): __DB__ (☒ remember template)
 Compression: ☒ None ☐ "zipped" ☐ "gzipped"

Klik : Go

koneksi.php

```

<?php
$server = "localhost";
$username = "root";
$password = "ftikusm";
$dbase = "weblanjut";

// Koneksi dan memilih database di server
mysql_connect($server,$username,$password) or
die("Koneksi gagal");
mysql_select_db($dbase) or die("Database tidak bisa
dibuka");
?>
  
```

kelas.php

```

<?php

include "koneksi.php"; ← Memasukkan Kunci

$query = "select * from kelas";
$hasil = mysql_query($query); } ← Perintah SQL

echo "Data Kelas FTIK : <br>";

while($data=mysql_fetch_array($hasil)){
    echo "$data[gedung] $data[angka] <br>";
}

?>

```

↑ 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