

TUGAS PRAKTIKUM
PENGEMBANGAN APLIKASI WEB

MODUL 5

“Database MySQL”



Disusun Oleh:

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Tugas Praktikum :

1. Buatlah sebuah database mahasiswa yg berisi table dengan nama tbl_mahasiswa dengan record nrp, nama, email, dan alamat.

Jawab :

- a. Membuat tabel mahasiswa

The screenshot shows the phpMyAdmin interface for creating a new table. The table name is 'tbl_mahasiswa'. The columns are defined as follows:

| Column Name | Type | Length | Collation | Primary | Unique | Index | Unsigned | Zerofill |
|-------------|---------|--------|-----------|---------|--------|-------|----------|----------|
| nrp | CHAR | 12 | Tidak ada | PRIMARY | | | | |
| nama | VARCHAR | 50 | Tidak ada | | | | | |
| email | VARCHAR | 50 | Tidak ada | | | | | |
| alamat | VARCHAR | 100 | Tidak ada | | | | | |

The storage engine is set to InnoDB. The partition definition is empty. The 'Pratinjau SQL' button is visible at the bottom right.

- b. Hasil tabel

The screenshot shows the MySQL query result for the query `SELECT * FROM `tbl_mahasiswa``. The result is an empty table, as indicated by the message: "MySQL memberikan hasil kosong (atau nol baris). (Pencarian dilakukan dalam 0,0000 detik.)". Below the message, the columns are listed: `nrp`, `nama`, `email`, and `alamat`.

2. Buatlah beberapa file php yang dapat memasukkan, menampilkan, meng-update dan menghapus data yang ada dalam database mahasiswa tersebut!

The screenshot shows a web application titled 'Modul VI PHP & MySQL'. It displays the 'Master Data Mahasiswa' table with the following data:

| No | NRP | NAMA | Email | Alamat | Operasi |
|----|--------------|----------|-------------------|-----------|--|
| 1 | 060411100757 | Khozaimi | zem@mhs.utm.ac.id | Pamekasan | Edit Hapus |
| 2 | 060411100762 | Ali | ali@mhs.utm.ac.id | Surabaya | Edit Hapus |

Jawab :

a. Code Koneksi

```
<?php
$host='localhost';
$user='root';
$password='';
$db='mahasiswa';
$connect=mysqli_connect($host,$user,$password,$db);
if(!$connect){
    echo "<script> alert('Gagal Terhubung') </script>";
}
?>
```

b. Code Tabel

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css
/bootstrap.min.css" rel="stylesheet">
    <title>Tabel</title>
</head>
<body>
    <h1>Modul V PHP dan MySQL</h1>
    <p>nama/nrp : Ari Andi Mustofa</p>
    <hr>
    <h2>Master Data Mahasiswa</h2>
    <button style="border:1px solid;"><a href="form.php"
style="text-decoration: none;">Tambah</a></button>
    <table class="table">
        <tr>
            <td>No.</td>
            <td>NRP</td>
            <td>Nama</td>
            <td>Email</td>
            <td>Alamat</td>
            <td>Operasi</td>
        </tr>
        <?php
            include "koneksi.php";
```

```

$query="SELECT*FROM tbl_mahasiswa";
$hasil=mysqli_query($connect,$query);
while ($row=mysqli_fetch_array($hasil)){
?>
<tr>
    <td><?php echo $row['nomor'] ?></td>
    <td><?php echo $row['nrp'] ?></td>
    <td><?php echo $row['nama'] ?></td>
    <td><?php echo $row['email'] ?></td>
    <td><?php echo $row['alamat'] ?></td>
    <td>
        <a href="form edit.php?no=<?php echo
$row['nomor']; ?>" style="text-decoration: none;">Edit</a>
|
        <a href="delete.php?no=<?php echo
$row['nomor']; ?>" style="text-decoration: none;">Hapus</a>
    </td>
</tr>
<?php
}
?>
</table>
</body>
</html>

```

Hasil

Tugas Praktikum Modul 5 | localhost / 127.0.0.1 / mahasiswa: X | Tabel

localhost/paw/PRAKTIKUM/TUGAS%20PRAKTIKUM%20(TRI)/MODUL%205/tabel.php

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Modul V PHP dan MySQL

nama/nrp : Ari Andi Mustofa

Master Data Mahasiswa

[Tambah](#)

| No. | NRP | Nama | Email | Alamat | Operasi |
|-----|--------------|---------------------------|----------------------|---|--|
| 1 | 200411100133 | Ari Andi Mustofa | andyary961@gmail.com | RT/RW 008/002 Ds. Belun Kec. Temayang Kab. Bojonegoro | Edit Hapus |
| 2 | 200411100177 | Bintang Raditya Putra | bintang123@gmail.com | Ds. Gondang Kec. Gondang Kab. Bojonegoro | Edit Hapus |
| 3 | 200411100100 | Uswatun Chasanah | uswatun765@gmail.com | Ds. Balongrejo Kec. Sugihwaras Kab. Bojonegoro | Edit Hapus |
| 6 | 200411100036 | Nanda Putri Febri Antonio | nanda12345@gmail.com | Ds. Sugihwaras Kec. Sugihwaras Kab. Bojonegoro | Edit Hapus |

c. Code Form Tambah

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">

```

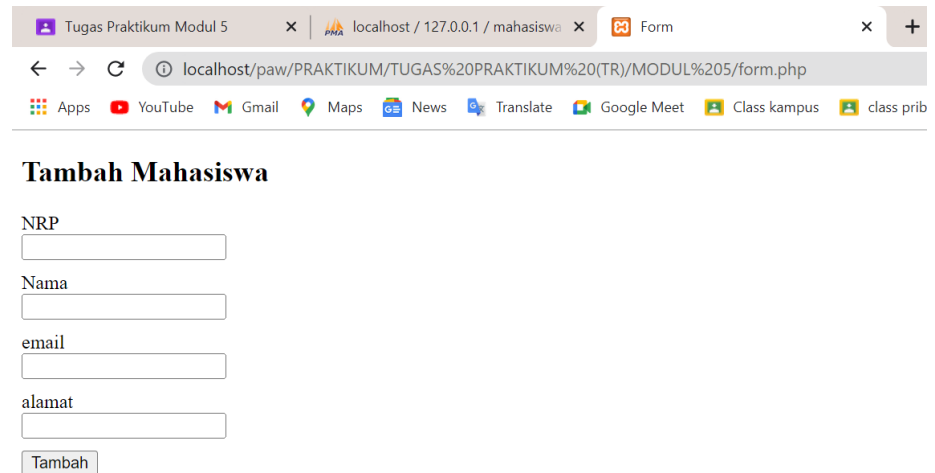
```

    <title>Form</title>
</head>
<body>
    <h2>Tambah Mahasiswa</h2>
    <form action="action.php" method="POST">
        <div style="padding-bottom: 10px;">
            <label for="">NRP</label><br>
            <input type="text" name="nrp" ><br>
        </div>
        <div style="padding-bottom: 10px;">
            <label for="">Nama</label><br>
            <input type="text" name="nama"><br>
        </div>
        <div style="padding-bottom: 10px;">
            <label for="">email</label><br>
            <input type="text" name="email"><br>
        </div>
        <div style="padding-bottom: 10px;">
            <label for="">alamat</label><br>
            <input type="text" name="alamat"><br>
        </div>

        <button type="submit">Tambah</button>
    </form>
</body>
</html>

```

Hasil :



The screenshot shows a web browser window with the following details:

- Browser Tabs:** Tugas Praktikum Modul 5, localhost / 127.0.0.1 / mahasiswa, Form.
- Address Bar:** localhost/paw/PRAKTIKUM/TUGAS%20PRAKTIKUM%20(TR)/MODUL%205/form.php
- Page Title:** Tambah Mahasiswa
- Form Fields:**
 - NRP:
 - Nama:
 - email:
 - alamat:
- Submit Button:**

d. Code Action Tambah

```
<?php
    include "koneksi.php";
    $nrp=$_POST['nrp'];
    $nama=$_POST['nama'];
    $email=$_POST['email'];
    $alamat=$_POST['alamat'];
    $sql="INSERT INTO tbl_mahasiswa VALUES
(null,'$nrp','$nama','$email','$alamat)";
    $hasil=mysqli_query($connect,$sql);
    if(!$hasil){
        echo "<script>alert('Berhasil
ditambahkan')</script>";
    } else {
        echo "<script>alert('Gagal
ditambahkan')</script>";
    }
?>
```

e. Code Action Delete

```
<?php
include "koneksi.php";
$no=$_GET['no'];
$query="DELETE FROM tbl_mahasiswa WHERE nomor='$no'";
$hasil=mysqli_query($connect,$query);
if(!$hasil){
    echo "<script>alert('gagal Menghapus')</script>";
} else {
    echo "<script>alert('berhasil Menghapus')</script>";
}
?>
```

f. Code Form Edit

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Form Edit</title>
</head>
<body>
    <h2>Edit Mahasiswa</h2>
    <?php
```

```

        include "koneksi.php";

        $no=$_GET['no'];
        $sql="SELECT * FROM tbl_mahasiswa WHERE
nomor='$no'";
        $hasil=mysqli_query($connect,$sql);
        if (!$hasil){
            echo "Query Salah";
        }
        ?>

        <?php
        while($row=mysqli_fetch_array($hasil))
        {
            ?>

            <form action="edit.php" method="POST">
            <input type="hidden" name="no" value="<?php echo
$row['nomor'] ?>">
                <div style="padding-bottom: 10px;">
                    <label for="">NRP</label><br>
                    <input type="text" name="nrp" value="<?php
echo $row['nrp'] ?>"><br>
                </div>
                <div style="padding-bottom: 10px;">
                    <label for="">Nama</label><br>
                    <input type="text" name="nama" value="<?php
echo $row['nama'] ?>"><br>
                </div>
                <div style="padding-bottom: 10px;">
                    <label for="">email</label><br>
                    <input type="text" name="email"
value="<?php echo $row['email'] ?>"><br>
                </div>
                <div style="padding-bottom: 10px;">
                    <label for="">alamat</label><br>
                    <input type="text" name="alamat"
value="<?php echo $row['alamat'] ?>"><br>
                </div>

                <button type="submit">Edit</button>
            </form>

            <?php } ?>
    </body>
</html>

```

Hasil :

Tugas Praktikum Modul 5 x localhost / 127.0.0.1 / mahasiswa x Form Edit

localhost/paw/PRAKTIKUM/TUGAS%20PRAKTIKUM%20(TR)/MODUL%205/form%20edit.php?no=1

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Edit Mahasiswa

NRP

Nama

email

alamat

g. Code Action Edit

```
<?php
    include "koneksi.php";
    $no=$_POST['no'];
    $nrp=$_POST['nrp'];
    $nama=$_POST['nama'];
    $email=$_POST['email'];
    $alamat=$_POST['alamat'];
    $sql="UPDATE tbl_mahasiswa SET
nrp='$nrp',nama='$nama',email='$email',alamat='$alamat'
WHERE nomor='$no'";
    $hasil=mysqli_query($connect,$sql);
    if(!$hasil){
        echo "<script>alert('gagal
Mengubah')</script>";
    } else {
        echo "<script>alert('berhasil Mengubah')</script>";
    }
?>
```