

2013030059

LAPORAN PRAKTIKUM PEMROGRAMAN WEB

SEMESTER GENAP TAHUN AKADEMIK
2021/2022



Disusun oleh :

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PRODI SISTEM INFORMASI
FAKULTAS TEKNIK
UNIVERSITAS NUSANTARA PGRI
KEDIRI 2021

PENGESAHAN

LAPORAN PRAKTIKUM

PEMROGRAMAN WEB

SEMESTER GENAP TAHUN AKADEMIK 2020/2021

Yang bertandatangan dibawah ini,
Dosen pengampu Praktikum Pemrograman Web
menyatakan bahwa mahasiswa dibawah ini:

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Telah menyelesaikan seluruh kegiatan praktikum
dan berhak untuk mengikuti

UJIAN TENGAH SEMESTER

Praktikum Pemrograman Web

Kediri,

Dosen Pengampu,



Teguh Andriyanto, ST, M.Cs

**PENGESAHAN
LAPORAN PRAKTIKUM
PEMROGRAMAN WEB
SEMESTER GENAP TAHUN AKADEMIK 2021/2022**

Yang bertandatangan dibawah ini,
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dan berhak untuk mengikuti

UJIAN AKHIR SEMESTER

Praktikum Pemrograman Web

21/12
/7
Kediri,

Dosen Pengampu,



Teguh Andriyanto, ST, M.Cs

ASISTENSI
LAPORAN PRAKTIKUM
PROGRAMASI WEB
SEMESTER GENAP TAHUN AKADEMIK 2021/2022

No.	Tgl	Materi Praktikum	TTD Dosen/Asisten
1.		PHP DATABASE	
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

BAB I

DASAR TEORI

A. MySQLi

Dalam bahasa Pemrograman (khususnya PHP), jika anda menggunakan MySQLi, terdapat dua extension yang bisa digunakan yaitu MySQLi extension dan MySQL extension. Keduanya sama-sama menghubungkan MySQL dengan bahasa Pemrograman yang akan digunakan. MySQL memiliki dolar penulisan yang sama dengan SQL, karena MySQL merupakan sistem Pengelolaan data base berbasis SQL.

B. Tipe komunikasi antara PHP dengan Database.

Ketika ingin menghubungkan database ke MySQL, setidaknya ada empat koneksi yang bisa dipakai yaitu menggunakan API, Connector, Extension, dan Driver.

1. API (Application Programming Interface)

Merupakan sebuah Class, Metode, fungsi, dan Variabel yang dibutuhkan sebuah aplikasi untuk meminta aplikasi lain untuk melakukan tugas. Pada kasus PHP & MySQL, API dipakai untuk mengkomunikasikan PHP dengan database yang ada di MySQL menggunakan PHP extensions.

2. Connector

Pada dokumentasi MySQL, connector mengarah pada sebuah bagian dari perangkat lunak yang memungkinkan aplikasi terkoneksi dengan server database. MySQL menyediakan connector untuk berbagai macam bahasa pemrograman, salah satunya diantaranya adalah PHP.

3. Extension

Selain API dan connector, PHP juga menyediakan extension. Seorang PHP Developer menggunakan extension untuk

Memanfaatkan fasilitas yang ada di dalam MySQL server. Ada beberapa ekstensi yang ada di PHP yaitu MySQL Extension dan MySQLi Extension yang diimplementasikan menggunakan framework PHP extension.

4. Driver

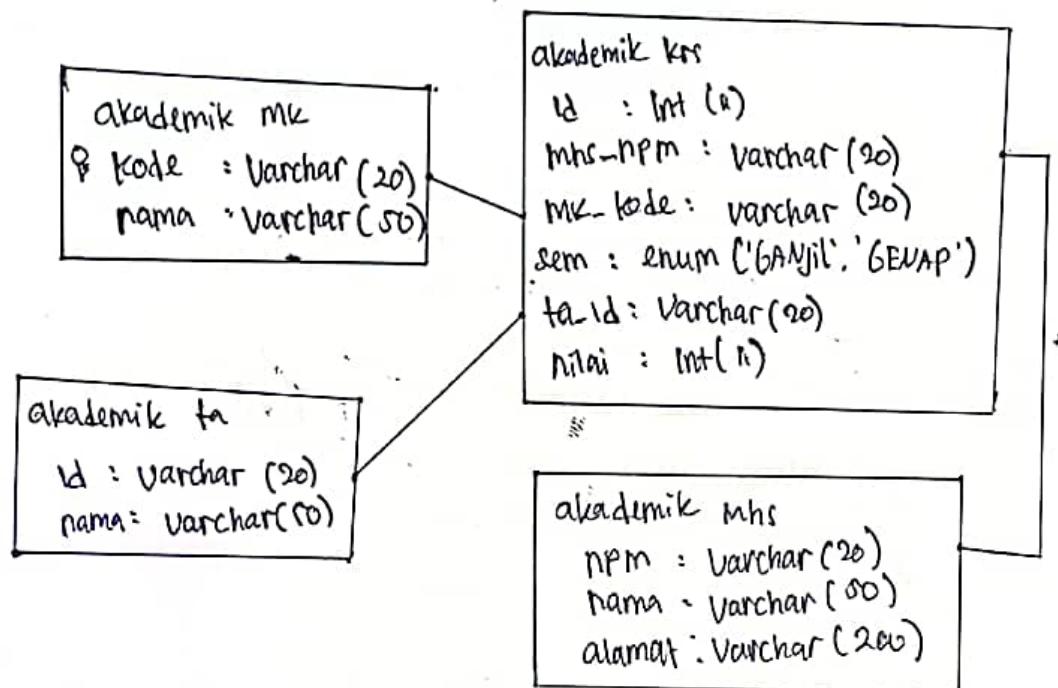
Sebuah perangkat lunak yang didesain untuk berkomunikasi dengan data base server yang spesifik. Atau, terkembang beberapa penggunaan menyebutkan sebagai library. Seperti MySQL Client Library atau MySQL Native Driver. Berbagai macam library ini diimplementasikan pada protokol lapisan yang dipakai untuk berkomunikasi dengan server data base MySQL. Selain satu jenis driver yang tersedia di PHP adalah PHP Data Object (PDO).

BAB II

PERCOBAAN DAN LATIHAN

A. Database

Pembuatan database dan menghubungkan setiap tabelnya.



B. PHP

a) Koneksi ke database

```

<?php
$servername = 'localhost';
$username = 'root';
$password = '';
$dbname = 'akademik';

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect_error) {
    die("connection failed : " . $conn->connect_error);
?>
    
```

b) Program file krs.php

1) <? php

include 'koneksi.php'; ?>

<html>

<head>

<title> krs </title>

</head>

<body>

<h2 align="center"> krs </h2>

 Lihat <a> | TAMBAH <a>

<table width="100%" border="1">

<thead>

<tr width="25%"> NO </th>

<th width="5%"> Ac </th>

<th width="18%"> ID </th>

<th width="15%"> Mhs-Npm </th>

<th width="5%"> Nama-Kode </th>

<th width="5%"> Sem </th>

<th width="5%"> ta-id </th>

<th width="5%"> Niki </th>

</thead>

<tr> </thead>

<tbody>

<?php

\$sql = "SELECT * FROM krs";

\$res = \$conn -> query(\$sql);

if (\$res -> num_rows > 0) {

\$i = 0;

while (\$dat = \$res -> fetch_assoc()) {

\$i++;

echo "<tr align='center'>

<td>\$i </td>

<td>

Edit </td>

```

<td>". $dat["Id"] . "</td>
<td>". $dat["mhs-npm"] . "</td>
<td>". $dat["mk-kode"] . "</td>
<td>". $dat["Sem"] . "</td>
<td>". $dat["ta-Id"] . "</td>
<td>". $dat["nilai"] . "</td>
</tr>";
? ? ?>
</tbody> </table> </body> </html>

```

2) Program file krs-add.php

```

<?php
    include "koneksi.php"; ?>
<html> <head>
    <meta charset = "utf-8">
    <title>krs </title>
</head>
<body>
    <h2> Tambah Data KRS </h2>
    <a href = "krs.php" > Lihat </a> | <a href = "krs-add.php" > TAMBAH </a> <br>
    <form action = "krs_Proc.php" method = "post">
        ID <br>
        <input type = "text" name = "Id" > <br>
        mhs-npm <br>
        <select name = "mhs-npm" >
            <?php
                $sql = "SELECT * FROM mhs";
                $res = $conn -> query($sql);
                while ($rows = $res -> fetch_array(MYSQLI_BOTH))
                {
                    echo "<option value = ". $rows['npm']. "> ". $rows['npm']. "-" . $rows['nama']. "</option>";
                }
            ?>
        </select> <br>
        mk-kode <br>

```

```

<Select name = "mk-kode">
<?php
    $sql = "SELECT * FROM mk";
    $res = $conn->query($sql);
    while ($rows = $res->fetch_array(MYSQLI_BOTH)) {
        echo "<option value = '". $rows['kode'] . "'>". $rows['kode']
        . "-". $rows['nama']. "</option>"; ?>
    }
</select> <br>
Sem <br>
<input type = "text" name = "sem" > <br>
fa-id <br>
<select name = "fa-id">
    <?php
        $sql1 = "SELECT * FROM fa";
        $res1 = $conn->query($sql1);
        while ($rows1 = $res1->fetch_array(MYSQLI_BOTH)) {
            echo "<option value = '". $rows1['id'] . "'>". $rows1['nama'],
            "</option>"; ?>
        }
    </select> <br>
    nilai <br>
    <input type = "text" name = "nilai" > <br>
    <input type = "Submit" name = "krs-add" value = "SIMPAN" >
</form>
</body>
</html>

```

3) Program file krs-detail.php

```

<?php
    include "koneksi.php";
    $id = &GET['id'];
    $sql = "SELECT * FROM krs WHERE id = '$id'";
    $res = $conn->query($sql);
    $rows = $res->fetch_array(MYSQLI_BOTH); ?>
</html>
<head>

```

```

<meta charset "Utf-8">
<title>krs </title>
</head>
<body>
<h2>krs Edit </h2>
<a href = "krs.php" > LIHAT </a> | <a href = "krs-add.php">
TAMBAH </a> <br>
<form action = "krs-proc.php" method = "post" >
ID <br>
<input type = "text" name = "id" value = "<?php echo $row
['id'] ?>" > <br>
mhs-npm <br>
<select name = "mhs-npm">
<?php
    $sql = "SELECT * FROM mhs";
    $res = $conn->query($sql);
    while ($mhs = $res->fetch_array(MYSQLI_BOTH)) {
        if ($mhs['npm'] == $row['mhs-npm']) {
            $select = 'selected = "selected"';
        } else {
            $select = "";
        }
        echo "<option value = '". $mhs['id']. "' $select>". 
            $mhs['npm']. "-". $mhs['nama']. "</option>"; } ?>
    </select> <br>
mik-kode <br>
<select name = "mik-kode">
<?php
    $sql = "SELECT * FROM mik";
    $res = $conn->query($sql);
    while ($mik = $res->fetch_array(MYSQLI_BOTH)) {
        if ($mik['kode'] == $row['mik-kode']) {
            $select = "selected = 'selected'";
        } else {
            $select = "";
        }
        echo "<option value = '". $mik['id']. "' $select>". $mik
            ['kode']. "-". $mik['nama']. "</option>"; } ?>

```

```

<select> <br>
Sem <br>
<input type = "text" name = "Sem" value = "<?=$row['Sem']?>
"> <br>
ta_id <br>
<select name = "ta_id">
<?php
    $sql = "SELECT * FROM ta";
    $res = Conn->query($sql);
    while ($ta = $res->fetch_array(MYSQLI_BOTH)) {
        if ($ta['id'] == $row['ta_id']) {
            $select = 'selected = "selected"';
        } else {
            $select = "";
        }
        echo "<option value = '".$ta['id']."' $select>". $ta
            ['id']. "- ". $ta['nama']. '</option>'; ?>
    }
</select> <br>
nilai <br>
<input type = "text" name = "nilai" value = "<?=$row
['nilai']?>"> <br>
<input type = "submit" name = "krs-edit" value =
"PERBAHKARAI">
<input type = "submit" name = "krs-delete" value =
"HAPUS" onclick = "return confirm ('Yakin Menghapus
Data ini?')"> </form> </body></html>

```

4) Program file krs-proc.php

```

<?php
include 'koneksi.php';
if (isset($_POST['krs-add'])) {
    $id = $_POST['id'];
    $mhs_npm = $_POST['mhs-npm'];
    $mk_kode = $_POST['mk-kode'];
    $Sem = $_POST['sem'];
    $ta_id = $_POST['ta_id'];
}

```

```

$nilai = $_POST['nilai'];
$sql = "INSERT INTO krs (id, mhs-npm, mk-kode, sem,
ta-id, nilai) VALUES ($id, '$mhs-npm', '$mk-kode', '$sem',
'$ta-id', '$nilai')",
if (!conn->query($sql)) {
die ('Tambah Mts Gagal');
} else {
header ("location : krs.php");
}

if (isset($_POST['krs-edit'])) {
$id : $_POST['id'];
$mhs-npm : $_POST['mhs-npm'];
$mk-kode : $_POST['mk-kode'];
$sem : $_POST['sem'];
$ta-id : $_POST['ta-id'];
$nilai : $_POST['nilai'];
$sql = "UPDATE krs SET mhs-npm : '$mhs-npm',
mk-kode : '$mk-kode',
sem : '$sem',
ta-id : '$ta-id',
nilai : '$nilai',
WHERE id = '$id'";
if (!$conn->query($sql)) {
die ('Edit krs Gagal');
} else {
header ("location : krs.php");
}

if (isset($_POST['krs-delete'])) {
$id = $_POST['id'];
$sql = "DELETE FROM krs WHERE id = '$id'";
if (!$conn->query($sql)) {
die ('Hapus krs Gagal');
} else {
header ("location : krs.php");
}
}
}

```

c) Program file menu.php

```
<a href = "mhs.php" > Lihat </a> | <a href = "mhs-add" > Tambah  
<a>
```

d) Program data Mahasiswa

i) Program file Mhs.php

```
<? PHP
```

```
include 'koneksi.php'; ?>
```

```
<html> <head>
```

```
    <title> mhs </title>
```

```
  </head>
```

```
  <body>
```

```
    <h2> Mahasiswa </h2>
```

```
    <? PHP 'include menu.php' ; ? >
```

```
    <table width = '100%' border = '1' >
```

```
      <thead>
```

```
        <tr>
```

```
          <th width = '5%' > NO </th>
```

```
          <th width = '5%' > Nama </th>
```

```
          <th width = '10%' > NPM </th>
```

```
          <th width = '10%' > Alamat </th>
```

```
      </tr>
```

```
    </thead> <tbody>
```

```
      <? PHP
```

```
        $sql = "SELECT * FROM mhs";
```

```
        $res = $conn -> query ($sql);
```

```
        if ($res -> num_rows > 0) {
```

```
          $i = 0;
```

```
          while ($dat = $res -> fetch_assoc ()) {
```

```
            $i++;
```

```
            echo "<tr>
```

```
              <td> $i </td>
```

```
              <td> <a href = "mhs-detail.php?npm = ". $dat ['npm'] . ">"
```

```
                Edit </a> </td>
```

```

<td> · $dat["npm"] . "</td>
<td> · $dat["nama"] . "</td>
<td> · $dat['alamat']. </td>
</td>" ;
?? ?>
</tbody> </table> </body> </html>

```

2) Program file mhs-add.php

```

<html>
<head>
    <title>mhs add </title>
</head>
<body>
    <?php include 'menu.php';?> <br>
    <form name="MyForm" action="mhs-ProL.php" method=
    "post"> NPM <br>
    <input type="text" name="npm" id="npm">
    <br> Nama <br>
    <input type="text" name="nama" id="nama" size="30">
    <br> Alamat <br>
    <input type="text" name="alamat" id="alamat" size="80">
    <br>
    <input type="Submit" name="Submit_add" id="Submit_add"
    value="SIMPAN">
</form> </body> </html>

```

3) Program file mhs-detail.php

```

<?php
    include 'koneksi.php';
    $npm = $_GET['npm'];
    $sql = "SELECT * FROM mhs WHERE npm = '$npm'";
    $res = $conn -> query($sql);
    $dat = $res -> fetch_assoc();?>
<html> <title> mhs edit </title>
</head>

```

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```
<body>
<?php include 'menu.php';?> <br>
<form name="tambah form" action="mhs-Proc.php" method="post">
NPM
<br>
<input type="text" name="npm" id="npm" value="<?
php echo $dat['npm'];?>">
<br> nama <br>
<input type="text" name="nama" id="nama" size="30"
value="<? = $dat['nama'];?>">
<br> Alamat <br>
<input type="text" name="alamat" id="alamat" size="50"
value="<? = $dat['alamat'];?>">
<br>
<input type="submit" name="submit-edit" id="Submit-edit"
value="SIMPAN">
<input type="submit" name="submit-delete" id="Submit-
delete" value="HAPUS">
</form> </body> </html>
```

7) Program file mhs-Proc.php

```
<?php
include 'koneksi.php';
if (isset($_POST['submit-edit'])) {
    $npm = $_POST['npm'];
    $nama = $_POST['nama'];
    $alamat = $_POST['alamat'];

    $sql = "INSERT INTO mhs(npm, nama, alamat)
VALUES ('$npm', '$nama', '$alamat')";
    if (!conn->query($sql)) {
        die('Tambah MHS gagal');
    } else {
        header("location: mhs.php");
    }
}
```

```

if (isset($_POST['submit_edit'])) {
    $npm = $_POST['npm'];
    $nama = $_POST['nama'];
    $alamat = $_POST['alamat'];
    $sql = "UPDATE mhs SET nama='$_nama', '$alamat'
            WHERE npm='$_npm'";
    if (!conn->query($sql)) {
        die('Edit MHS Gagal');
    } else {
        header ("location: mhs.php");
    }
}

if (isset($_POST['submit_delete'])) {
    $npm = $_POST['npm'];
    $sql = "DELETE FROM mhs WHERE npm='$_npm'";
    if (!conn->query($sql)) {
        die('Hapus MHS Gagal');
    } else {
        header ("location: mhs.php");
    }
}

```

e) Program data Mata Kuliah

i) Program file mk.php

```

<?php
    include 'koneksi.php';
    <html>
        <head> <title>Mata Kuliah </title>
        </head>
        <body>
            <h2 align="center"> Mata Kuliah </h2>
            <a href="mk.php"> Lihat <a> | <a href="mk-add.php"> TAMBAH </a>
            <table width="100%" border="1">
                <thead>
                    <tr>
                        <th width="2%"> NO. </th>
                        <th width="8%"> Akt </th>

```

```

<th width='15%'> Kode </th>
<th width='28%'> Nama </th>
</tr>
</thead>
<tbody>
<?php
$Sql = "SELECT * FROM mk";
$res =& $conn->query($Sql);
if ($res->num_rows > 0) {
    $i = 0;
    while ($dat = $res->fetch_assoc()) {
        $i++;
        echo "<tr align='center'>
<td> <a href='mk_detail.php?kode=". $dat['kode']."'> Edit </a> </td>
<td> ". $dat["kode"] . "</td>
<td> ". $dat["nama"] . "</td>
</tr>"; } ?>
</tbody> </table> </body> </html>

```

2) Program file mk-add.php

```

<html>
<head> <title> Mata Kuliah </title>
</head>
<body>
<h2> Mata Kuliah Odd </h2>
<a href="Mk.php"> LIST </a> | <a href="mk-
add.php"> TAMBAH </a> <br>
<form name="my form" action="Mk_Proc.php" method=
"post">
Kode <br>
<input type="text" name="kode" id="kode">
<br> Nama <br>
<input type="text" name="nama" id="nama" size="30">

```

```

<br>
<input type="Submit" name="mk-add" id="mk-add" value=
"SIMPAN">
</form> </body> </html>

```

3) Program file mk-detail.php

```

<?php
include 'koneksi.php';
$kode : $_GET['kode'];
$sql : "SELECT * FROM mk WHERE kode = '$kode'";
$res : $conn->query($sql);
$dat : $res->fetch_assoc(); ?>
<html>
<head> <title>Mata Kuliah </title>
</head>
<body>
<h2> Mata Kuliah </h2>
<a href = "mk.php" >LIHAT <a href = "mk-add.php
">TAMBAH <a> <br>
<form name="my form" action="mk-proc.php"
method = "POST">
kode <br>
<input type="text" name="kode" id="kode" value="<?
php echo $dat['kode'] ?>">
<br> Nama <br>
<input type="text" name="nama" id="nama" size="30"
value="<? = $dat['nama'] ?>"> <br>
<input type="submit" name="mk-edit" id="mk-edit"
value="PERBAHKAN PUT">
<input type="submit" name="MK-delete" id="MK-delete"
value="HAPUS">
</form> </body> </html>

```

f) Program file mk_Proc.php

```

<?php
    include 'koneksi.php';
    if (isset($_POST['mk-add'])) {
        $kode = $_POST['kode'];
        $nama = $_POST['nama'];
        $sql = "INSERT INTO mk(kode,nama)
                VALUES ('$kode','$nama')";
        if (!$conn->query($sql)) {
            die('Tambah MHS Gagal');
        } else {
            header ("location: mk.php");
        }
    }

    if (isset($_POST['mk-edit'])) {
        $kode = $_POST['kode'];
        $nama = $_POST['nama'];
        $sql = "UPDATE mk SET nama='$nama' WHERE kode='$kode'";
        if (!$conn->query($sql)) {
            die('Edit MHS Gagal');
        } else {
            header ("location: mk.php");
        }
    }

    if (isset($_POST['mk-delete'])) {
        $kode = $_POST['kode'];
        $sql = "DELETE FROM mk WHERE kode='$kode'";
        if (!$conn->query($sql)) {
            die('Hapus Tahun Akademik Gagal');
        } else {
            header ("location: mk.php");
        }
    }

```

f) Program data tahun akademik

1). <?php

```

    include 'koneksi.php'; ?>
    <html>
```

```

<head> <title> Tahun Akademik </title>
</head>
<body>
<h2 align="center"> Tahun Akademik </h2>
<a href = "ta.php"> LIHAT <a> | <a href = "ta-add.php">
TAMBAH <a>
<table width = "100%" border = "1">
<thead>
<tr>
<th width = "2%"> NO </th>
<th width = "8%"> Acl </th>
<th width = "15%"> ID </th>
<th width = "25%"> Nama </th>
</tr>
</thead>
<t body>
<?php
$ sql = "SELECT * FROM ta";
$ res = $ conn -> query ($sql);
if ($res -> num - rows > 0) {
    $i = 0;
    while ($dat = $res -> fetch_assoc()) {
        $i++;
        echo "<tr align = 'Center'>
        <td> $i </td>
        <td> ". $dat ["id"] . "</td>
        <td> ". $dat ["nama"] . "</td>
        </tr>"; } } ?>
</t body></table> </body> </html>

```

2). Program file ta-add.php

```

<html>
<head> <title> Tahun Akademik add </title>
</head>
<body>
<a href = "ta-add.php"> LIHAT <a> | <a href = "ta-add.php">

```

Tambah <a>

```
<br>
<form name="my form" action="ta-proc.php" method="POST">
ID <br>
<input type="text" name="id" id="id" >
<br> Nama <br>
<input type="text" name="nama" id="nama" size="30" >
<br>
<input type="Submit" name="ta-add" value="SIMPAN" >
</form>
</body>
</html>
```

3) program file ta_detail.php

```
<?php
include 'koneksi.php';
$id = $_GET['id'];
$sql = "SELECT * FROM ta WHERE id = '$id'";
$res = $conn->query($sql);
$dat = $res->fetch_assoc();
?>
<html>
<head> <title> TA edit </title>
</head>
<body>
<a href="ta.php">LIST </a> | <a href="ta-add.php"
> TAMBAH </a> <br>
<form name="myform" action="ta-proc.php" method=
"post">
ID <br>
<input type="text" name="id" id="id" value="?>
php echo $dat['id'] ?>">
<br> Nama <br>
<input type="text" name="nama" id="nama" size="30"
value="?> $dat['nama'] ?>">
<br>
```

```

<input type="submit" name="ta-add" id="ta-edit" value="PERBAHKARUI">
<input type="submit" name="ta-delete" id="ta-delete" value="HAPUS">
</form>
</body></html>

```

9) Program file ta-proc.php

```

<?php
include 'koneksi.php';
if (isset($_POST['ta-add'])) {
    $id = $_POST['id'];
    $nama = $_POST['nama'];
    $sql = "INSERT INTO ta(id,nama)
            VALUES ('$id', '$nama')";
    if (!$conn->query($sql)) {
        die ('Tambah MHS gagal');
    } else {
        header ("Location : ta.php");
    }
}

if (isset($_POST['ta-edit'])) {
    $id = $_POST['id'];
    $nama = $_POST['nama'];
    $sql = "UPDATE ta SET nama = '$nama' WHERE id = '$id'";
    if (!$conn->query($sql)) {
        die ('Edit MHS gagal');
    } else {
        header ("Location : ta.php");
    }
}

if (isset($_POST['ta-delete'])) {
    $id = $_POST['id'];
    $sql = "DELETE FROM ta WHERE id = '$id'";
    if (!$conn->query($sql)) {
        die ('Hapus Tahun Akademik gagal');
    } else {
        header ("Location : ta.php");
    }
}
?>

```

BAB III

TAMPILAN PROGRAM

Koneksi ke database

```
C:\xampp\htdocs\php_modul3> konksi.php > ...
1 <?php
2     $servername = 'localhost';
3     $username = 'root';
4     $password = '';
5     $dbname = 'akademik';
6     // Create connection
7     $conn = new mysqli($servername, $username, $password, $dbname);
8     // Check connection
9     if ($conn->connect_error) {
10         die("Connection failed: " . $conn->connect_error);
11     }
12 ?>
13
```

Program tampilan urutan data krs dengan nama file krs.php

```
C:\xampp\htdocs\php_modul3> krs.php > ...
1 <?php
2 include 'koneksi.php';
3 ?>
4 <!DOCTYPE html>
5 <html>
6 <head>
7 <title>KRS</title>
8 </head>
9 <body>
10 <h2 align="center">KRS</h2>
11 <a href="krs.php?>LHAT">+></a> <a href="krs_add.php">-TAMBAH-</a>
12 <table width="100%" border="1">
13     <thead>
14         <tr>
15             <th width="25%">No.</th>
16             <th width="5%">Act</th>
17             <th width="5%">ID</th>
18             <th width="15%">mhs npm</th>
19             <th width="5%">mk_kode</th>
20             <th width="5%">sem</th>
21             <th width="5%">ta_id</th>
22             <th width="5%">n nilai</th>
23         </tr>
24     </thead>
25     <tbody>
26         <?php
27             $sql = "SELECT * FROM krs";
28             $res = $conn->query($sql);
29             if($res->num_rows > 0){
30                 $i = 0;
31                 while($dat = $res->fetch_assoc()){
32                     $i++;
33                     echo "<tr align='center'>";
34                     <td>$i</td>
35                     <td><a href='krs_detail.php?id=$dat[id]'>edit</a></td>
36                     <td>$dat['id']</td>
37                     <td>$dat['mhs npm']</td>
38                     <td>$dat['mk_kode']</td>
39                     <td>$dat['sem']</td>
40                     <td>$dat['ta_id']</td>
41                     <td>$dat['nilai']</td>
42                 </td>;
43             }
44         }
45     </tbody>
46 </table>
47 </body>
48 </html>
```

Tampilan file krs.php

TABEL KRS

No.	Art	ID	abs_rpm	mk_kode	nm	ta_id	abs
1	Ek	I	20130001	01	GENAP	X	10
2	Ek	II	20130002	02	GENAP	X	05
3	Ek	III	20130003	03	GENAP	II	01

Program tampilan tambah data krs dengan file krs-add.php

```
C:\xampp>htdocs>php_modul3># krs_add.php >_
1  <?php
2  include "koneksi.php";
3  ?>
4  <!DOCTYPE html>
5  <html>
6
7  <head>
8      <meta charset="utf-8">
9      <title>krs</title>
10 </head>
11
12 <body>
13     <h2>Tambah Data Krs</h2>
14     <a href="krs.php">LDAAT</a> | <a href="krs_add.php">TAMBAH</a>
15     <br>
16     <form action="krs_proc.php" method="post">
17         ID:<br>
18         <input type="text" name="id"><br>
19         abs_rpm:<br>
20         <select name="abs_rpm">
21             <?php
22                 $sql = "SELECT * FROM abs";
23                 $res = $conn->query($sql);
24                 while ($rows = $res->fetch_array(MYSQLI_BOTH)) {
25                     echo "<option value=\"" . $rows['rpm'] . "\">" . $rows['rpm'] . " - " . $rows['nama'] . "</option>";
26                 }
27             </?php>
28         </select><br>
29         mk_kode:<br>
30         <select name="mk_kode">
31             <?php
32                 $sql = "SELECT * FROM mk";
33                 $res = $conn->query($sql);
34                 while ($rows = $res->fetch_array(MYSQLI_BOTH)) {
35                     echo "<option value=\"" . $rows['kode'] . "\">" . $rows['kode'] . " - " . $rows['nama'] . "</option>";
36                 }
37             </?php>
38         </select><br>
39         sem:<br>
40         <input type="text" name="sem"><br>
41         ta_id:<br>
42         <select name="ta_id">
43             <?php
44                 $sql = "SELECT * FROM ta";
45                 $res1 = $conn->query($sql);
46                 while ($rows1 = $res1->fetch_array(MYSQLI_BOTH)) {
47                     echo "<option value=\"" . $rows1['id'] . "\">" . $rows1['id'] . " - " . $rows1['nama'] . "</option>";
48                 }
49             </?php>
50         </select>
51     </form>
52 
```

2013030051

Tampilan file krs-add.php

Tambah Data KRS

LIHAT | TAMBAH

ID

mhs_npm
2013030032 - Ana

mk_kode
D1 - pemrograman basis data

sem

ta_id
2015

nilai

SIMPAN

Program tampilan edit data krs dengan nama file krs-detail.php

```
C:\xampp>htdocs>php_modul3> krs_detail.php > ...
1  <?php
2  include "koneksi.php";
3
4  $id = $_GET['id'];
5  $sql = "SELECT * FROM krs WHERE id='$id'";
6  $res = $conn->query($sql);
7  $row = $res->fetch_array(MYSQLI_BOTH);
8
9  !DOCTYPE html;
10 <html>
11 <head>
12   <meta charset="utf-8">
13   <title>krs</title>
14 </head>
15 <body>
16 <h2>krs edit</h2>
17 <a href="krs.php">LIHAT</a> | <a href="krs_add.php">TAMBAH</a>
18 </div>
19 <form action="krs_proc.php" method="post">
20   ID:<br>
21   <input type="text" name="id" value="php echo $row['id'];?">
22   <br>
23   mhs_npm:<br>
24   <select name="mhs_npm">
25     <?php
26       $sql = "SELECT * FROM mhs";
27       $res = $conn->query($sql);
28       while($mhs = $res->fetch_array(MYSQLI_BOTH)){
29         if($mhs['npm'] == $row['mhs_npm']){
30           $select = 'selected="selected"';
31         }else{
32           $select = '';
33         }
34         echo "<option value='".$mhs['id']."' $select>" . $mhs['name'] . "</option>";
35       }
36     </select><br>
37   mk_kode:<br>
38   <select name="mk_kode">
39     <?php
40       $sql = "SELECT * FROM mk";
41       $res = $conn->query($sql);
42       while($mk = $res->fetch_array(MYSQLI_BOTH)){
43         if($mk['kode'] == $row['mk_kode']){
44           $select = 'selected="selected"';
45         }else{
46           $select = '';
47         }
48         echo "<option value='".$mk['id']."' $select>" . $mk['kode'] . "-" . $mk['nama'] . "</option>";
49       }
50     </select>
```

Tampilan file krs_detail.php

KRs Edit

LIHAT TAMBAH

ID	<input type="text" value="1"/>
mhs_npm	<input type="text" value="201303001 - sasa"/>
mk_kode	<input type="text" value="SI - pemrograman basis data"/>
sem	<input type="text" value="GENAP"/>
ta_id	<input type="text" value="20 - 2020"/>
nilai	<input type="text" value="100"/>
<input type="button" value="PERBAHARU"/> <input type="button" value="HAPUS"/>	

Program Proses tambah dan edit data krs.

```
C:\xampp\htdocs\php_modul3> php krs_proc.php
1 <?php
2 include 'koneksi.php';
3
4 if(isset($_POST['krs_add'])){
5 $id = $_POST['id'];
6 $mhs_npm = $_POST['mhs_npm'];
7 $mk_kode = $_POST['mk_kode'];
8 $sem = $_POST['sem'];
9 $ta_id = $_POST['ta_id'];
10 $nilai = $_POST['nilai'];
11
12 $sql = "INSERT INTO krs(id, mhs_npm, mk_kode, sem, ta_id, nilai)
VALUES('$id', '$mhs_npm', '$mk_kode', '$sem', '$ta_id', '$nilai')";
13
14 if(!$conn->query($sql)){
15 die('Tambah KRS gagal');
16 }
17 else{
18 header("Location: krs.php");
19 }
20
21 }
22
23 if(isset($_POST['krs_edit'])){
24 $id = $_POST['id'];
25 $mhs_npm = $_POST['mhs_npm'];
26 $mk_kode = $_POST['mk_kode'];
27 $sem = $_POST['sem'];
28 $ta_id = $_POST['ta_id'];
29 $nilai = $_POST['nilai'];
30
31 $sql = "UPDATE krs SET mhs_npm = '$mhs_npm',
32 mk_kode = '$mk_kode',
33 sem = '$sem',
34 ta_id = '$ta_id',
35 nilai = '$nilai'
36 WHERE id = '$id'";
37
38 if(!$conn->query($sql)){
39 die('edit KRS gagal');
40 }
41 else{
42 header("Location: krs.php");
43 }
44 }
45
46 if(isset($_POST['krs_delete'])){
47 $id = $_POST['id'];
48 $sql = "DELETE FROM krs WHERE id = '$id'";
49 if(!$conn->query($sql)){
50 die('Hapus KRS gagal');
51 }
52 }
53 }
```

Program tampilan utama mahasiswa dengan nama file mhs.php

```
C:\xampp>htdocs>php_modul3> mhs.php>_
1  <?php
2  include 'koneksi.php';
3 ?
4  <!DOCTYPE html>
5  <html>
6
7  <head>
8  <title>mhs</title>
9  </head>
10 <body>
11 <h2>Mahasiswa</h2>
12 <?php include 'menu.php'; ?>
13 <table width='100%' border='1'>
14   <thead>
15     <tr>
16       <th width='5%'>No.</th>
17       <th width='5%'>Act</th>
18       <th width='10%'>NPM</th>
19       <th width='10%'>Nama</th>
20       <th width='10%'>Alamat</th>
21     </tr>
22   </thead>
23   <tbody>
24     <?php
25       $sql = "SELECT * FROM mhs";
26       $res = $conn->query($sql);
27       if ($res->num_rows > 0) {
28         $i = 0;
29         while ($dat = $res->fetch_assoc()) {
30           $i++;
31           echo "<tr>";
32             <td>$i</td>
33             <td><a href='mhs_detail.php?npm=' . $dat['npm'] . "'>Edit</a></td>
34             <td>" . $dat['npm'] . "</td>
35             <td>" . $dat['nama'] . "</td>
36             <td>" . $dat['alamat'] . "</td>
37           </tr>";
38         }
39       }
40     }
41   </tbody>
42 </table>
43 </body>
44 </html>
```

Tampilan file Mhs.php

Mahasiswa

No	Act	NPM	Nama	Alamat
1	Edit	011030001	Ayu	KLDR
2	Edit	011030004	ira	KLDR
3	Edit	011030005	ira	KLDR
4	Edit	011030009	ira	KLDR

Program tambah data mahasiswa dengan Mamm file Mhs-Add.php

```
C:\xampp\htdocs\php_modul3> mhs_add.php
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>mhs add</title>
6  </head>
7
8  <body>
9      <?php include 'menu.php' ?>
10     <br>
11     <form name="myform" action="mhs_proc.php" method="POST">
12         <br>
13         <input type="text" name="npm" id="npm">
14         <br>Nama
15         <br>
16         <input type="text" name="nama" id="nama" size="30">
17         <br>Alamat
18         <br>
19         <input type="text" name="alamat" id="alamat" size="50">
20         <br>
21         <input type="submit" name="submit_add" id="submit_add" value="SIMPAN">
22     </form>
23 </body>
24
25 </html>
```

Tampilan mhs-add.php

<u>LIHAT TAMBAH</u>
NPM
<input type="text"/>
Nama
<input type="text"/>
Alamat
<input type="text"/>
<input type="button" value="SIMPAN"/>

Program edit data mahasiswa dengan nam file Mhs_detail.php

```
C:\xampp>htdocs>php_modul3> mhs_detail.php > ...
1  <?php
2  include 'koneksi.php';
3  $npm = $_GET['npm'];
4  $sql = "SELECT * FROM mhs WHERE npm='$npm'";
5  $res = $conn->query($sql);
6  $dat = $res->fetch_assoc();
7  ?>
8  <!DOCTYPE html>
9  <html>
10 <head>
11   <title>mhs_edit</title>
12 </head>
13 <body>
14   <?php include 'menu.php'; ?>
15   <br>
16   <form name="myform" action="mhs_proc.php" method="POST">
17     NPM
18     <br>
19     <input type="text" name="npm" id="npm" value="<?php echo $dat['npm'] ?>">
20     <br>Nama
21     <input type="text" name="nama" id="nama" size="30" value="<?= $dat['nama'] ?>">
22     <br>Alamat
23     <input type="text" name="alamat" id="alamat" size="50" value="<?= $dat['alamat'] ?>">
24     <br>
25     <input type="submit" name="submit_edit" id="submit_edit" value="SIMPAW">
26     <input type="submit" name="submit_delete" id="submit_delete" value="HAPUS">
27   </form>
28 </body>
29 </html>
```

Tampilan file mhs_detail.php

LIHAT	TAMBAH
NPM	
2013030032	
Nama	
Ana	
Alamat	
KED R:	
SIMPAN	HAPUS

Program proses edit dan tambah data Mahasiswa Mata Kuliah Mhs_Proc.php

```

C:\xampp\htdocs\php_modul3> mhs_proc.php > ...
1  <?php
2  include 'koneksi.php';
3  if(isset($_POST['submit_add'])){
4      $npm = $_POST['npm'];
5      $nama = $_POST['nama'];
6      $alamat = $_POST['alamat'];
7      $sql = "INSERT INTO mhs(npm,nama,alamat)
8          VALUES('$npm','$nama','$alamat')";
9
10     if(!$conn->query($sql)){
11         die('Tambah MHS gagal');
12     }
13     else{
14         header("Location: mhs.php");
15     }
16 }
17
18 if(isset($_POST['submit_edit'])){
19     $npm = $_POST['npm'];
20     $nama = $_POST['nama'];
21     $alamat = $_POST['alamat'];
22     $sql = "UPDATE mhs SET nama='$nama', alamat='$alamat' WHERE npm='$npm'";
23
24     if(!$conn->query($sql)){
25         die('Edit MHS gagal');
26     }
27     else{
28         header("Location: mhs.php");
29     }
30 }
31
32 if(isset($_POST['submit_delete'])){
33     $npm = $_POST['npm'];
34     $sql = "DELETE FROM mhs WHERE npm='$npm'";
35     if(!$conn->query($sql)){
36         die('Hapus MHS gagal');
37     }
38     else{
39         header("Location: mhs.php");
40     }
41 }
42

```

Program tampilan matakuliah dengan nama file mk.php

```
C:\xampp\htdocs\php_modul3> mk.php >
1  <?php
2  include 'koneksi.php';
3  ?>
4  <!DOCTYPE html>
5  <html>
6
7  <head>
8  <title>Mata Kuliah</title>
9  </head>
10
11 <body>
12  <h2 align='center'>Mata Kuliah</h2>
13  <a href='mk.php'>LIHAT</a> | <a href='mk_add.php'>TAMBAH</a>
14  <table width='100%' border='1'>
15      <thead>
16          <tr>
17              <th width='2%'>No.</th>
18              <th width='5%'>Act</th>
19              <th width='15%'>Kode</th>
20              <th width='25%'>Nama</th>
21          </tr>
22      </thead>
23      <tbody>
24          <?php
25              $sql = "SELECT * FROM mk";
26              $res = $conn->query($sql);
27              if ($res->num_rows > 0) {
28                  $i = 0;
29                  while ($dat = $res->fetch_assoc()) {
30                      $i++;
31                      echo "<tr align='center'>";
32                      <td>$i</td>
33                      <td><a href='mk_detail.php?kode=" . $dat['kode'] . "'>Edit</a></td>
34                      <td>" . $dat['kode'] . "</td>
35                      <td>" . $dat['nama'] . "</td>
36                      </tr>";
37                  }
38              }
39          </tbody>
40      </table>
41  </body>
42 </html>
```

Tampilan file mk.php

Mata Kuliah

DATA TABEL				Nama
No.	Act	Kode	Nama	
1	Edit	01	perancangan basis data	
2	Edit	02	metodologi penelitian	
3	Edit	03	perancangan web	
4	Edit	04	metodologi	
5	Edit	05	praktik basis data	

Program menambah data mata kuliah nama file mk-add.php

```
C:\>xampp>htdocs>php_modul3>mk_add.php
1 <!DOCTYPE html>
2 <html>
3
4 <head>
5   <title>Mata Kuliah</title>
6 </head>
7
8 <body>
9   <h2>Mata Kuliah Add</h2>
10  <a href="mk.php">LIHAT</a> | <a href="mk_add.php">TAMBAH</a>
11  <br>
12  <form name="myform" action="mk_proc.php" method="POST">
13    Kode
14    <br>
15    <input type="text" name="kode" id="kode">
16    <br>Nama
17    <br>
18    <input type="text" name="nama" id="nama" size="30">
19    <br>
20    <input type="submit" name="mk_add" id="mk_add" value="SIMPAN">
21  </form>
22 </body>
23
24 </html>
```

Tampilan file mk-add.php

LIHAT | TAMBAH

ID

Nama

Program edit data Mata Kuliah dengan nama file Mk_detail.php

```
C:\xampp>htdocs>php_modul3>mk_detail.php>
1  <?php
2  include 'koneksi.php';
3  $kode = $_GET['kode'];
4  $sql = "SELECT * FROM mk WHERE kode='$kode'";
5  $res = $conn->query($sql);
6  $dat = $res->fetch_assoc();
7?
8  <!DOCTYPE html>
9  <html>
10 <head>
11 | <title>Mata Kuliah</title>
12 |</head>
13
14 <body>
15 <h2>Mata Kuliah Edit</h2>
16 <a href="mk.php">LIHAT</a> | <a href="mk_add.php">TAMBAH</a>
17 <br>
18 <form name="myform" action="mk_proc.php" method="POST">
19
20   Kode
21   <br>
22   <input type="text" name="kode" id="kode" value="php echo $dat['kode']?">
23   <br>Nama
24   <br>
25   <input type="text" name="nama" id="nama" size="30" value="php echo $dat['nama']?">
26   <br>
27   <input type="submit" name="mk_edit" id="mk_edit" value="PERBARUI">
28   <input type="submit" name="mk_delete" id="mk_delete" value="HAPUS">
29 </form>
30 </body>
31
32 </html>
```

Tampilan file Mk-add.php

Mata Kuliah add

LIHAT	TAMBAH
Kode	
<input type="text"/>	
Nama	
<input type="text"/>	
SIMPAN	

Program Proses tambah dan edit data matkuliah nama file mk_Proc.php

```

C:\xampp>htdocs>php_modul3> mk_proc.php>
1  <?php
2  > include 'koneksi.php';
3  if(isset($_POST['mk_add'])){
4      $kode = $_POST['kode'];
5      $nama = $_POST['nama'];
6      $sql = "INSERT INTO mk(kode,nama)
7          VALUES('$kode','$nama')";
8
9      if(!$conn->query($sql)){
10         die('Tambah TMS Gagal');
11     }
12     else{
13         header("Location: mk.php");
14     }
15   }
16   |
17   if(isset($_POST['mk_edit'])){
18       $kode = $_POST['kode'];
19       $nama = $_POST['nama'];
20       $sql = "UPDATE mk SET nama='$nama' WHERE kode='$kode'";
21
22   if(!$conn->query($sql)){
23       die('Edit TMS Gagal');
24   }
25   else{
26       header("Location: mk.php");
27   }
28   }
29
30   if(isset($_POST['mk_delete'])){
31       $kode = $_POST['kode'];
32       $sql = "DELETE FROM mk WHERE kode='$kode'";
33   if(!$conn->query($sql)){
34       die('Hapus Tahun Akademik Gagal');
35   }
36   else{
37       header("Location: mk.php");
38   }
39   }
40

```

.Program tampilan tahun ajaran dengan nama file ta.php.

```
C:\>xampp>htdocs>php_modul3>ta.php>...
1 <?php
2 include 'koneksi.php';
3 ?>
4 <!DOCTYPE html>
5 <html>
6
7 <head>
8 <title>Tahun Akademik</title>
9 </head>
10
11 <body>
12 <h2 align="center">Tahun Akademik</h2>
13 <a href="ta.php">LDAT</a> | <a href="ta_add.php">TAMBAH</a>
14 <table width="100%" border="1">
15 <thead>
16 <tr>
17 <th width="25%">No.</th>
18 <th width="25%">Act</th>
19 <th width="15%">ID</th>
20 <th width="25%">Nama</th>
21 </tr>
22 </thead>
23 <tbody>
24 <?php
25 $sql = "SELECT * FROM ta";
26 $res = $conn->query($sql);
27 if ($res->num_rows > 0) {
28 $i = 0;
29 while ($dat = $res->fetch_assoc()) {
30 $i++;
31 echo "<tr align='center'">
32 <td>$i</td>
33 | <td><a href='ta_detail.php?id' . $dat['id'] . '>Edit</a></td>
34 <td>" . $dat["id"] . "</td>
35 <td>" . $dat["nama"] . "</td>
36 </tr>";
37 }
38 }
39 </?>
40 </tbody>
41 </table>
42 </body>
43
44 </html>
```

Tampilan File ta.php

Tahun Akademik			
LIST TAHUN			
No	Act	ID	Nama
1	Edit	13	2013
2	Edit	14	2014
3	Edit	15	2015
4	Edit	16	2016

Program tampilan tambah data tahun ajaran nama file ta_add.php

```
C:\xampp>htdocs>php_modul3> ta_add.php
1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>Tahun Akademik add</title>
6  </head>
7
8  <body>
9      <a href="ta.php">LIHAT</a> | <a href="ta_add.php">TAMBAH</a>
10     <br>
11     <form name="myform" action="ta_proc.php" method="POST">
12         ID
13         <br>
14         <input type="text" name="id" id="id">
15         <br>Nama
16         <br>
17         <input type="text" name="nama" id="nama" size="30">
18         <br>
19         <input type="submit" name="ta_add" id="ta_add" value="SIMPAN">
20     </form>
21     </body>
22
23 </html>
```

Tampilan file ta_add.php

<u>LIHAT</u>	<u>TAMBAH</u>
ID	<input type="text"/>
Nama	<input type="text"/>
<input type="button" value="SIMPAN"/>	

Program tampilan edit data tahun ajaran dengan nama file ta_detail.php

```
C:\>xampp>htdocs>php_modul3>ta_detail.php>...
1 <?php
2 include 'koneksi.php';
3 $id = $_GET['id'];
4 $sql = "SELECT * FROM ta WHERE id='$id'";
5 $res = $conn->query($sql);
6 $dat = $res->fetch_assoc();
7 ?
8 <!DOCTYPE html>
9 <html>
10 <head>
11 <title>TA edit</title>
12 </head>
13
14 <body>
15 <a href="ta.php">LIHAT</a> | <a href="ta_add.php">TAMBAH</a>
16 <br>
17 <form name="myform" action="ta_proc.php" method="POST">
18 ID
19 <br>
20 <input type="text" name="id" id="id" value=<?php echo $dat['id'] ?>>
21 <br>Nama
22 <br>
23 <input type="text" name="nama" id="nama" size="30" value=<?= $dat['nama'] ?>>
24 <br>
25 <input type="submit" name="ta_edit" id="ta_edit" value="PERBAHARUI">
26 <input type="submit" name="ta_delete" id="ta_delete" value="HAPUS">
27
28 </form>
29 </body>
30
31 </HTML>
```

Tampilan file ta_detail.php

<u>LIHAT TAMBAH</u>
ID
18
Nama
2013
<input type="button" value="PERBAHARUI"/> <input type="button" value="HAPUS"/>

Program Proses tambah dan edit data tahun ajaran file ta_Proc.php

```

C:\xampp>htdocs>php_modul3> ta_proc.php > ...
1  <?php
2  include 'koneksi.php';
3  if(isset($_POST['ta_add'])){
4      $id = $_POST['id'];
5      $nama = $_POST['nama'];
6      $sql = "INSERT INTO ta(id,nama)
7          VALUES('$id','$nama')";
8
9      if(!$conn->query($sql)){
10         die("Tambah TAH Gagal");
11     }
12     else{
13         header("Location: ta.php");
14     }
15   }
16
17   if(isset($_POST['ta_edit'])){
18       $id = $_POST['id'];
19       $nama = $_POST['nama'];
20       $sql = "UPDATE ta SET nama='$nama' WHERE id='$id'";
21
22       if(!$conn->query($sql)){
23           die("Edit TAH Gagal");
24       }
25       else{
26           header("Location: ta.php");
27       }
28   }
29
30   if(isset($_POST['ta_delete'])){
31       $id = $_POST['id'];
32       $sql = "DELETE FROM ta WHERE id='$id'";
33       if(!$conn->query($sql)){
34           die('Hapus Tahun Akademik Gagal');
35       }
36       else{
37           header("Location: ta.php");
38       }
39   }
40

```

BAB IV

KESIMPULAN

A. Database

Pembuatan database yang saling berhubungan di setiap tabelnya harus memiliki isi yang unik tidak boleh sama. Tabel yang berhubungan memiliki data yang menjadi Primary key ditabelnya dan menjadi foreign key di tabel lainya.

B. PHP

Program dapat melakukan tambah, baca, edit, dan hapus data.