

PRAKTIKUM
PEMROGRAMAN WEB
SEMESTER GENAP TAHUN AKADEMIK 2021/2022

Tanggal

.....

Materi

PHP dan Data Base

**PRODI SISTEM INFORMASI
FAKULTAS TEKNIK
UNIVERSITAS NUSANTARA PGRI KEDIRI**

BAB I

DASAR TEORI

MySQL API (Application Programming Interface) merupakan kumpulan yang digunakan untuk berkomunikasi dengan database MySQL melalui PHP.

• Proses Query Database

Untuk melakukan proses query database maka perlu dilakukan 4 langkah dibawah

1. membuat koneksi ke server database dan memilihkan database yg akan digunakan
2. membuat SQL (Structure Query Language)
3. melakukna proses query
4. mengambil hasil query wedalam sebuah variabel untuk ditampilkan / di proses

MySQL 1

MySQL Impelmen metoda berikut untuk teknik pengaksesan terhadap database

MySQL yg menggunakan percampuran dari PHP 5x atau yg terbatas, dengan menggunakan MySQL memungkinkan untuk menggunakan Stored Procedure Stored Function atau Prepare Statement.

MySQL extension memiliki sejumlah metoda diantaranya adalah :

- menggunakan interface object oriented
- mendukung pengguna Prepared Statement
- mendukung pengguna multiple Statement
- mendukung pengguna transaction
- mendukung koneksi terhadap human error pencairan kesalahan program (debugging)
- mendukung pembahasan server

Berikut ini daftar API MySQL yg umum dipakai:

API	Fungsi:
MySQLi → Query	mengintikan query ke database MySQL
\$MySQLi → result fetch array	mengambil data hasil query yg dapat dituliskan dengan array atau field atau nama field
\$MySQLi → result num rows	mengambil jumlah baris / data hasil dari proses query
\$MySQLi → error	menampilkan pesan kesalahan jika gagal koneksi

Koneksi Data Base

```
<?php
// mendefinisikan variabel
$hostname = "localhost"; // alamat server db MySQL
$username = "root"; // cekename db MySQL
$password = ""; // password db MySQL
$database = "akademik"; // nama database db MySQL
$koneksi = mysqli($hostname, $username, $password, $database) or
die ("koneksi Server Database Gagal", $MySQLi → error());
echo "koneksi Sukses Data base Berhasil!";
?>
```

BAB II

PERCOBAAN DAN LATIHAN

Percoaan

1. membuat database dengan nama akademik
buatlah tabel database dengan nama mhs, kts, mtk dan tcr

✓ UINP-akademik mhs
NPM : varchar(20)
Nama : varchar(50)
alamat : varchar(200)

✓ UINP-akademik kts
id : int(11)
mhs_NPM : varchar(20)
mt_kode : varchar(20)
Sem : enum('ganjil', 'genap')
Lec_id : varchar(20)
Nilai : mt(11)

✓ UINP-akademik mtk
kode : varchar(20)
nama : varchar(50)

✓ UINP-akademik tcr
id : varchar(20)
nama : varchar(50)

2. File PHP Nama koneksi.php

< ?php

```
$ServerName = "localhost";  
$UserName = "root";  
$Password = " ";  
$DBName = "akademik";
```

// create connection

```
$Conn = new MySQLi($ServerName, $UserName, $Password, $DBName);
```

// check connection

```
If ($Conn->connect_error) {
```

```
die ("connection failed ; ", $Conn->connect_error);
```

```
}
```

```
?>
```

3. File PHP memproses data diberi nama menu.php

```
<a href = "mhs.php">View </a> | <a href = "mhs-add.php">ADD </a>
```

4. File PHP memproses data . diberi nama mhs.php

< ?php

```
include 'koneksi.php';
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
</head>
```

```
<body>
```

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

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

```

<thead>
<tr>
<th width="5%">> No. </th>
<th width="15%">> NPM </th>
<th width="25%">> name </th>
<th> 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=$dat[NPM]'></a>
                <td>$dat[name]</td>
                <td>$dat[alamat]</td>
            </tr>";
        }
    }
?>
</tbody>
</table>
</body>
</html>

```

5. File PHP menampilkan form tambah data, beri nama mhs-add.php

```

<!DOCTYPE html>
<html>
<head>
    <title>mhs add</title>
</head>
<body>
<?php include 'menu.php'; ?>
<form name="myForm" action="mhs-proc.php" method="post">
    <br><input type="text" name="NPM" id="NPM">
    <br> name
    <br><input type="text" name="name" id="name" size="30">
    <br> alamat
    <br><input type="text" name="alamat" id="alamat" size="50">
    <br><input type="Submit" name="Submit-add" id="Submit-add" value="Simpan">
</form>
</body>
</html>

```

6. File PHP menu pilih edit data beri nama Mhs_detil.php

< ?php

```
include 'koneksi.php';
$npm = $_GET['npm'];
$SQL = "Select * from mhs where npm = '$npm'";
$res = $conn -> query($SQL);
$dat = $res -> fetch_assoc();
?>
<!DOCTYPE html>
<html>
<head>
    <title> MHS edit </title>
</head>
<body>
<?php include 'menu.php'; ?>
<br>
<form name="myForm" 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="name" id="name" size="30" value="<?php echo $dat['name']; ?>">
    <br> Alamat
    <br><input type="text" name="alamat" id="alamat" size="50" value="<?php echo $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. File PHP menambah data beri nama Mhs_Proc.php

< ?php

```
include 'koneksi.php';
if (isset($_POST['Submit_add'])) {
    $npm = $_POST['npm'];
    $nama = $_POST['name'];
    $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 = '$alamat'
            where npm = '$npm'";
    if(!$conn) query($sql);
    else die('edit MHS gagal');
    header("location:mhs.php");
}

if(!isset($_POST['submit_delete'])) {
    $npm = $_POST['npm'];
    $sql = "Delete From mhs
            where npm = '$npm'";
    if(!$conn) query($sql);
    else die('Hapus MHS gagal');
    header("location:mhs.php");
}
?>

```

* LATIHAN

Membuat program PHP untuk menambah, memilih, mengubah dan menghapus data dari tabel mhs, ta, dan krs

A. Mengambah data tabel mhs buat file mhs-add, data tsb di dalam file tsb - data untuk krs buat krs-add. PHP untuk sintaks mhs.php dengan mhs-add. PHP hanya mengubah beberapa nama data sesuai dengan data mhs, ta dan krs contoh: membuat mhs-add PHP mengubah sintaks data mhs-add PHP bagian npm, nama, alamat menjadi tsb dan nama npm

<tr><input type="text" name="npm" id="npm"> Ditambah menjadi
kode

<tr><input type="text" name="kode" id="kode">
begitulah juga untuk nama dan data lain pada ta krs

B. memilih data tabel mhs, ta dan krs Sintaks seperti mhs.php tiba
buat file mhs.php, ta.php dan krs.php sintaks yg ditambah yaite
bagian :

1) <th width="10%"> NPM ditambah sesuai data tabel contohnya dalam
data mhs kode matka ditambah menjadi

<th width="10%"> kode
Sintaks berikutnya yg berubah yaitu pada

2) \$ SQL = "Select * from MHS . ditambah Session untuk tabel Jika tampilan muncul berubah menjadi

\$ SQL = "Select * from MHS
bergantung pada tabel lainnya
Yang ditambah juga pada

3) <td>
edit </td> ditambah menjadi masing-masing data mhs - masing tabel
<td> edit </td>
IMPLEMENTASI <td>
> edit </td>
terakhir sebuah

4) <td> " \$ dat ['NPM'] " </td> mensesuaikan data mhs
Menjadi <td> " \$ dat ['kode'] " </td>
caraan sebuah sintaks sesuai dengan yg ditambahkan bukti data mhs dalam mhs

C. Mengubah dan menghapus data buat file dengan nama mh-detail.php
ba - detail.php lalu detail.php rubah sintaks dari mhs - detail.php
Sintaks yg ditambah bagian

1) \$ SQL = "Select * from MHS WHERE NPM = 'NPM'"; ubah Jadi ;
\$ SQL = "Select * from MHS WHERE kode = " \$ kode " ;

2) ubah tiap href masing - masing jika mhs maka href = "mh.php
dan href = mh-add.php dan action = "mh-proc.php"

3) ubah nama , NPM, alamat Pada mhs - detail.php Sesuai data
Jika mh - detail maka ubah menjadi kode & nama

D. Untuk memproses semua data buat mh - proc.php dan proc.php
lalu mhs - proc.php ubah sintaks dari mhs - proc.php
bagian yg diubah Yaitu :

1) ubah NPM , nama alamat Serta \$ NPM , \$ nama , \$ alamat
Sesuai dengan data yg ada pada tabel Yang akan dibuat
Jika mhs maka ubah menjadi kode , nama Serta \$ kode dan \$ nama

2) ubah header location dari mhs.php. menjadi Sesuai
data jika mhs maka mh.php Jika ti maha tsx.php
Begitu juga dengan mhs menjadi mhs.php
Untuk lebih jelasnya dapat dilihat pada tampilan program

A screenshot of Visual Studio Code showing a PHP script named `koneksi.php`. The code connects to a MySQL database using the `mysqli` extension. It defines variables for the server name, username, password, and database name, and then creates a new `mysqli` object and checks for connection errors.

```
File Edit Selection View Go Run Terminal Help
koneksi.php - Visual Studio Code
C:\xampp\htdocs\modul_3\koneksi.php
1 <?php
2 $servername = "localhost";
3 $username = "root";
4 $password = "";
5 $db = "akademik";
6
7 $koneksi = new mysqli($servername, $username, $password, $db);
8
9 if ($koneksi->connect_error) {
10     die("connection failed: " . $koneksi->connect_error);
11 }
12 ?>
```

Activate Windows
Go to Settings to activate Windows

Tampilan menu

A screenshot of Visual Studio Code showing a PHP script named `menu.php`. The code generates an HTML menu with two items: "VIEW" and "ADD".

```
File Edit Selection View Go Run Terminal Help
menu.php - Visual Studio Code
koneksi.php menu.php - mhs.php mhs_add.php mhs_detail.php mhs_proc.php
C:\xampp\htdocs\modul_3\menu.php
1 <?php
2 <a href = "mhs.php">VIEW</a> | <a href = "mhs_add.php">ADD</a>
```

A screenshot of a Microsoft Edge browser window. The address bar shows the URL `localhost / 127.0.0.1 / akademik`. Below the address bar, the search bar contains the query `localhost/modul3/mhs.php`. The main content area displays a table with five rows of student information:

	NPM	Nama	Alamat
	2013030014	Fina Dhuannisa	Nganjuk
	2013030024	Sania Abelia M	Kediri
	2013030025	Gesti Dwi Fajar Sari	Nganjuk
	2013030050	Afifah Kumia Lestari	Blitar
	2013030064	Candrika Arlita Dewi	Nganjuk

At the bottom right of the browser window, there is a watermark-like message: "Activate Windows Go to Settings to activate Windows".

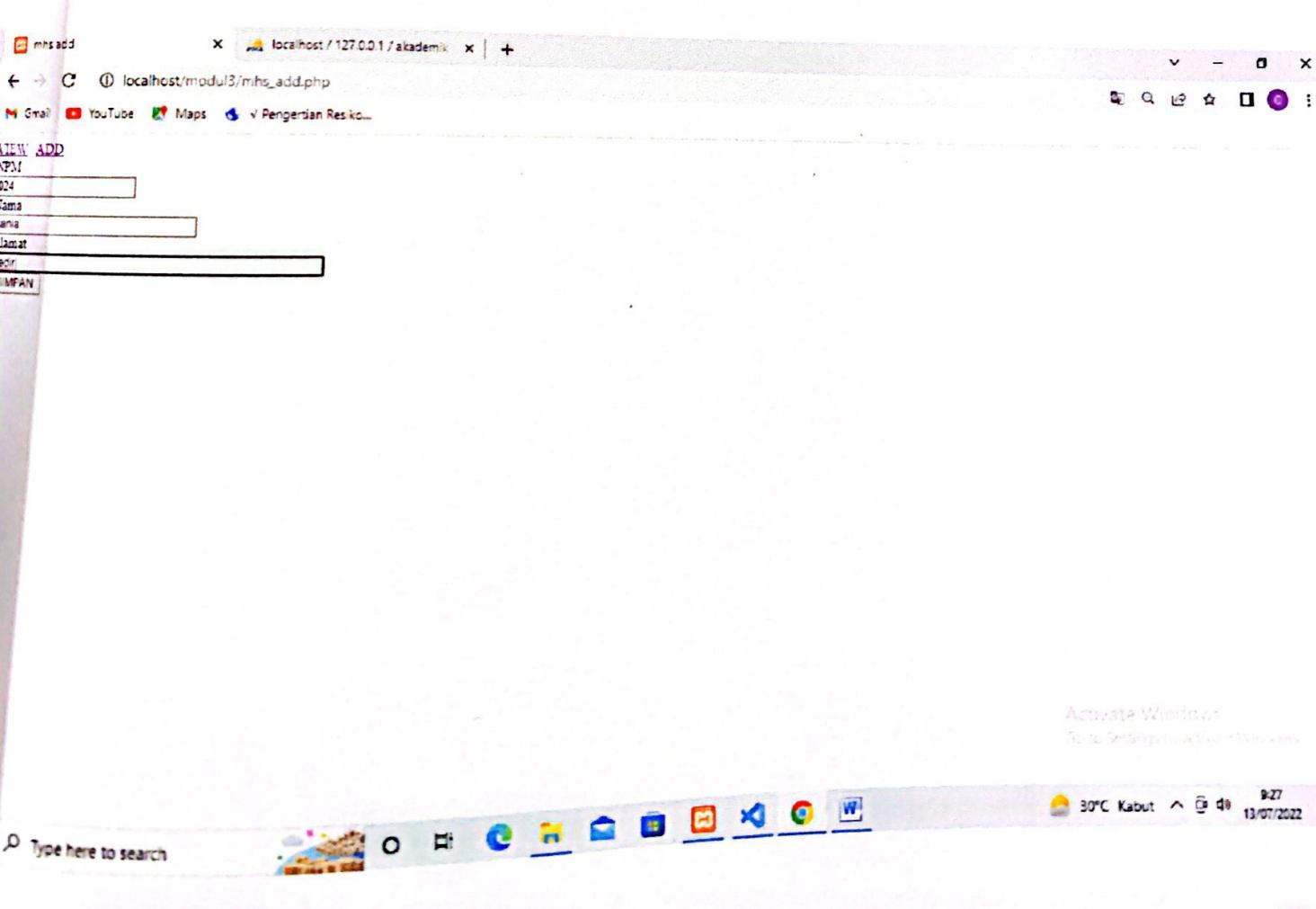
Scanned with CamScanner

Tampilan mhs_add

The screenshot shows the Visual Studio Code interface with the file `mhs_add.php` open. The code is a PHP script for adding student information. It includes header meta tags, a form for NPM, Name, and Address, and a submit button labeled "SIMPAN".

```
1 <?php include "koneksi.php"; ?>
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5 <meta charset="UTF-8">
6 <meta http-equiv="X-UA-Compatible" content="IE=edge">
7 <title>mhs add</title>
8
9 </head>
10 <body>
11 <?php include "menu.php"; ?>
12 <br>
13 <form name="myform" action="mhs_proc.php" method="POST">
14 <br><input type="text" name="npm" id="npm" value="NPM">
15 <br>Nama:<br><input type="text" name="nama" id="nama" size="30">
16 <br>Alamat:<br><input type="text" name="alamat" id="alamat" size="50">
17 <br><input type="submit" name="submit_add" id="submit_add" value="SIMPAN">
18 </form>
19 </body>
20 </html>
```

Activate Windows
Go to Settings to activate Windows

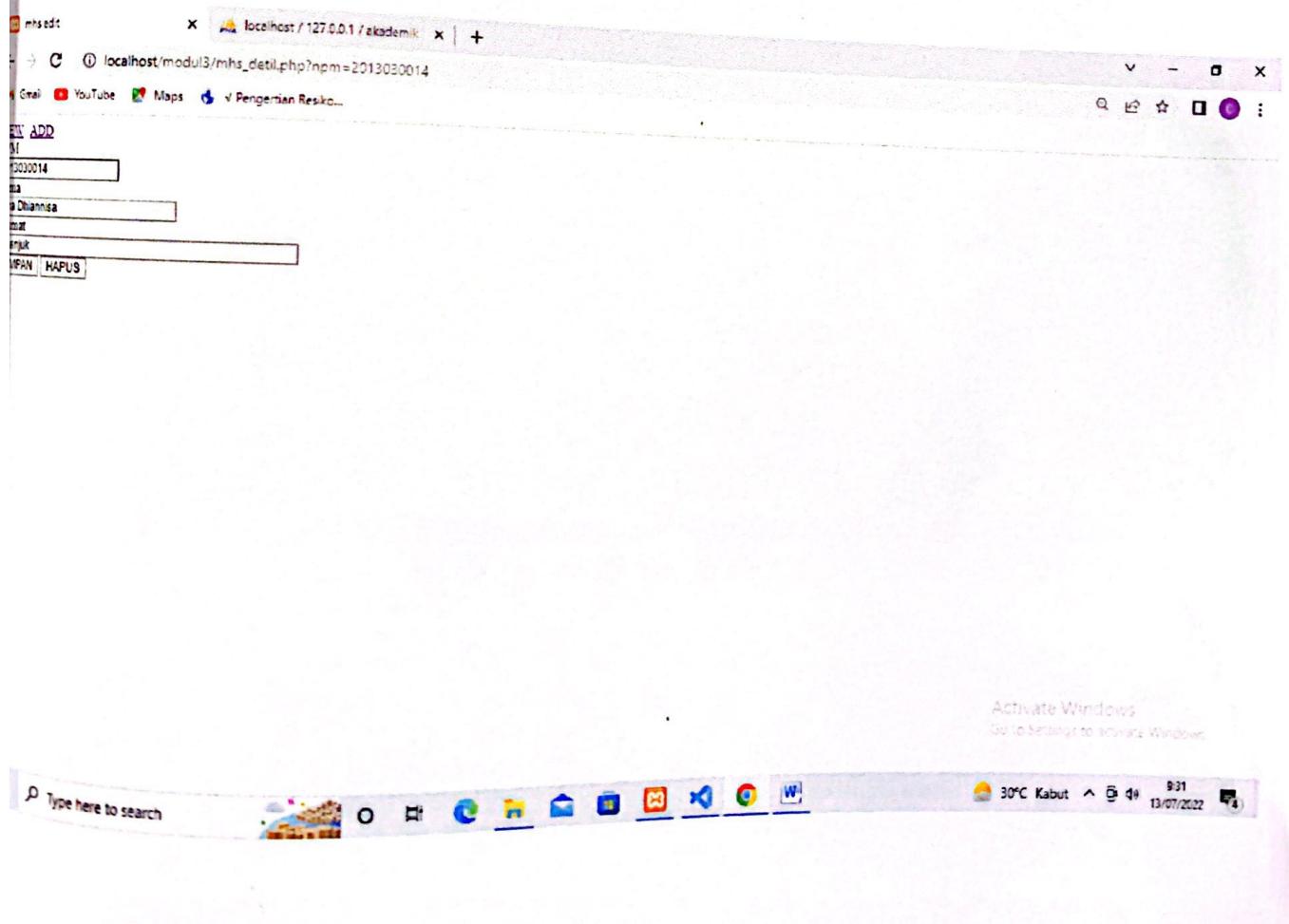


Tampilan mhs_detil

A screenshot of Visual Studio Code showing the file `mhs_detil.php`. The code is a PHP script for editing student information. It includes an include statement for `menu.php`, a database connection `$koneksi`, and a SQL query to select data from the `mhs` table where `npm` matches the value passed in the URL. The script then processes the data and displays it in an HTML form for editing. The form includes fields for `npm`, `nama`, and `alamat`, along with two submit buttons for updating or deleting the record.

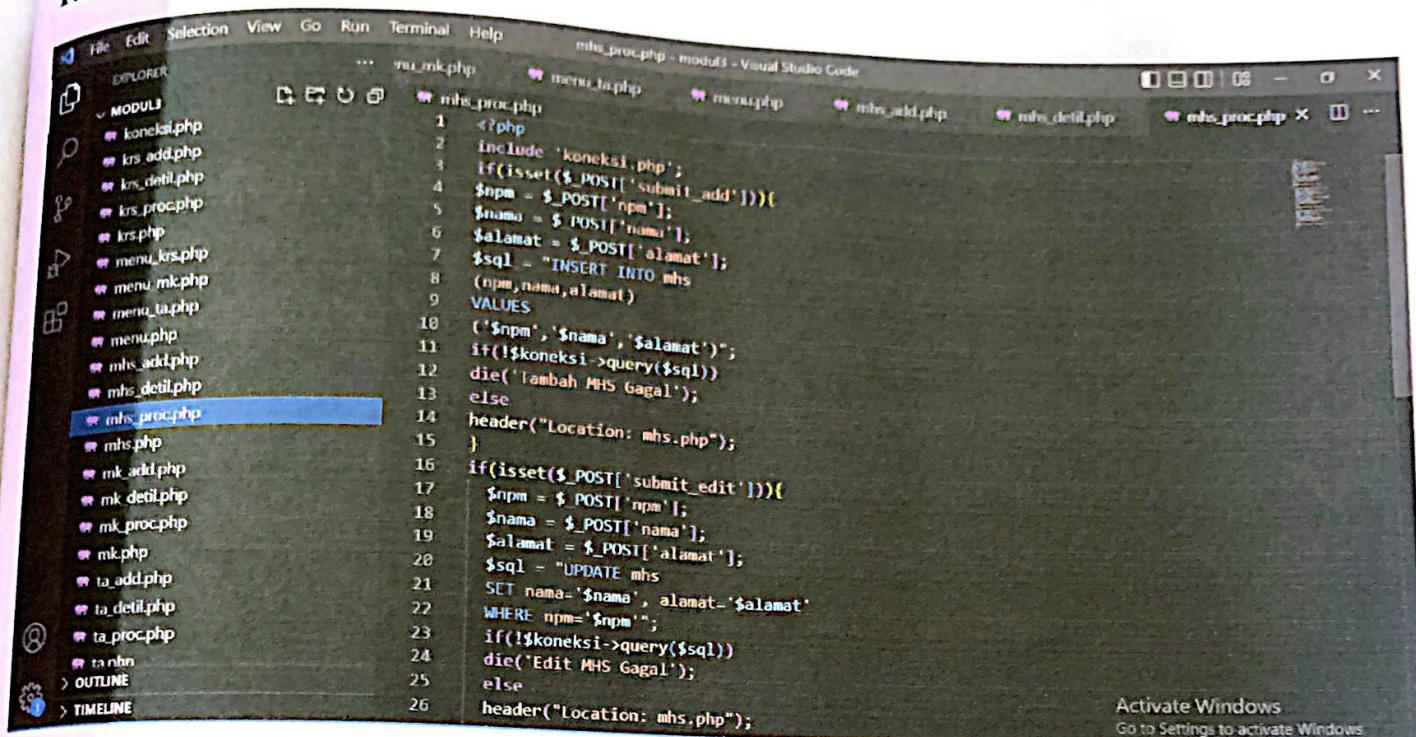
```
C:\xampp\htdocs\modul3> mhs_detil.php
1 <?php
2 include 'koneksi.php';
3 $npm = $_GET['npm'];
4 $sql = "SELECT * FROM mhs WHERE npm='$npm'";
5 $res = $koneksi->query($sql);
6 $dat = $res->fetch_assoc();
7 <?
8 <!DOCTYPE html>
9 <html>
10 <head>
11 <title>mhs edit</title>
12 </head>
13 <body>
14 <?php include 'menu.php';?>
15 <br>
16 <form name="myform" action="mhs_proc.php" method="POST">
17 NPM
18 <?php echo $dat['npm'];?>
19 <br>Nama
20 <?php echo $dat['nama'];?>
21 <br>Alamat
22 <?php echo $dat['alamat'];?>
23 <br><input type="submit" name="submit_edit" id="submit_edit" value="SIMPAN">
24 <input type="submit" name="submit_delete" id="submit_delete" value="HAPUS">
25 </form>
26 </body>
27 </html>
28
```

Activate Windows
Go to Settings to activate Windows

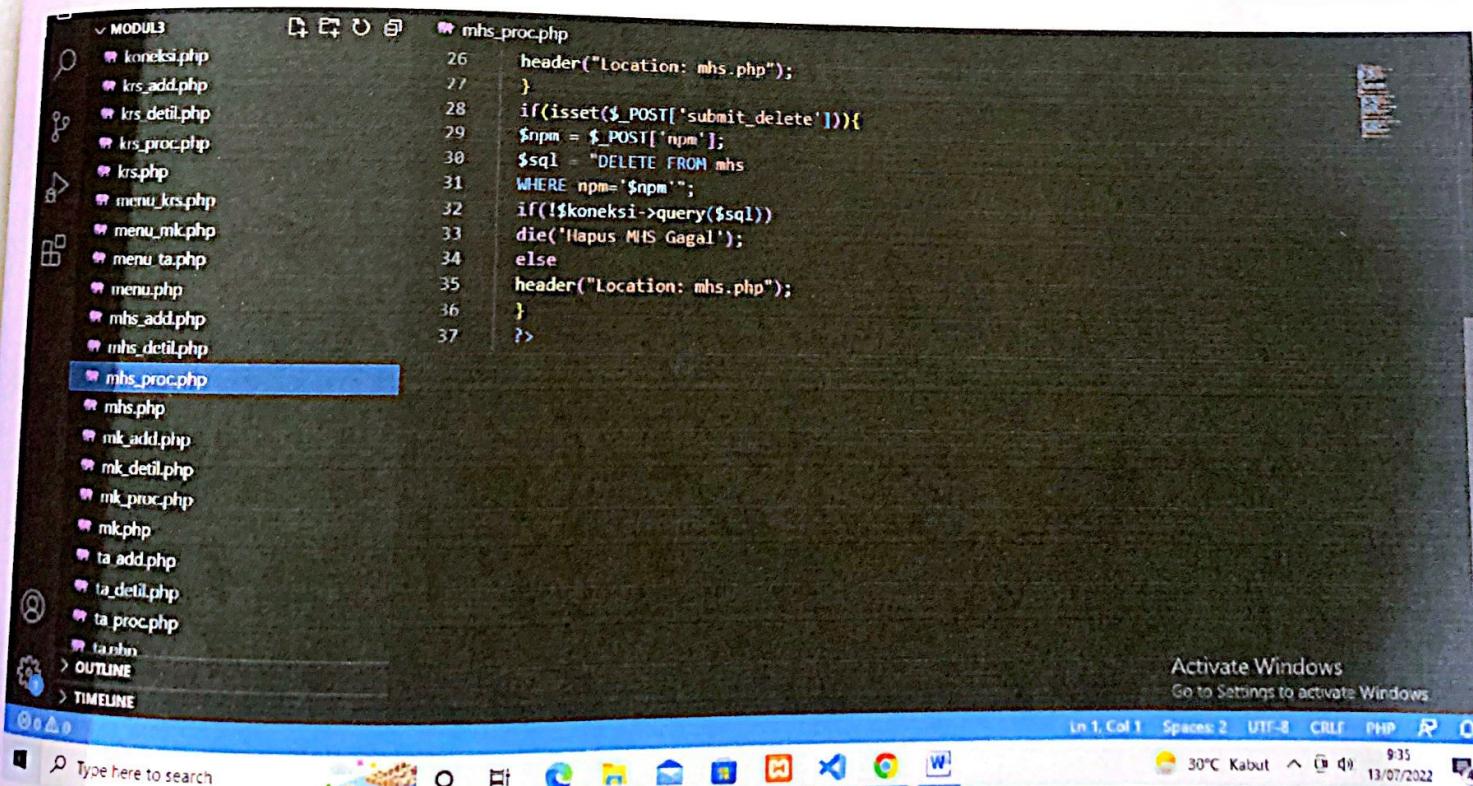


Activate Windows
Go to Settings to activate Windows

Tampilan mhs_proc



```
File Edit Selection View Go Run Terminal Help
mhs_proc.php - modul3 - Visual Studio Code
EXPLORER MODUL
koneksi.php
krs_add.php
krs_detil.php
krs_proc.php
krs.php
menu_krs.php
menu_mk.php
menu_ta.php
menu.php
mhs_add.php
mhs_detil.php
mhs_proc.php
mhs.php
mk_add.php
mk_detil.php
mk_proc.php
mk.php
ta_add.php
ta_detil.php
ta_proc.php
ta_tambah
> OUTLINE
> TIMELINE
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 $sql = "INSERT INTO mhs
8 (npm,nama,alamat)
9 VALUES
10 ('$npm','$nama','$alamat')";
11 if(!$koneksi->query($sql))
12 die('Tambah MHS Gagal');
13 else
14 header("Location: mhs.php");
15 }
16 if(isset($_POST['submit_edit'])){
17 $npm = $_POST['npm'];
18 $nama = $_POST['nama'];
19 $alamat = $_POST['alamat'];
20 $sql = "UPDATE mhs
21 SET nama='$nama', alamat='$alamat'
22 WHERE npm='$npm'";
23 if(!$koneksi->query($sql))
24 die('Edit MHS Gagal');
25 else
26 header("Location: mhs.php");
27 }
28 if(isset($_POST['submit_delete'])){
29 $npm = $_POST['npm'];
30 $sql = "DELETE FROM mhs
31 WHERE npm='$npm'";
32 if(!$koneksi->query($sql))
33 die('Hapus MHS Gagal');
34 else
35 header("Location: mhs.php");
36 }
37 ?>
```



```
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 $sql = "INSERT INTO mhs
8 (npm,nama,alamat)
9 VALUES
10 ('$npm','$nama','$alamat')";
11 if(!$koneksi->query($sql))
12 die('Tambah MHS Gagal');
13 else
14 header("Location: mhs.php");
15 }
16 if(isset($_POST['submit_edit'])){
17 $npm = $_POST['npm'];
18 $nama = $_POST['nama'];
19 $alamat = $_POST['alamat'];
20 $sql = "UPDATE mhs
21 SET nama='$nama', alamat='$alamat'
22 WHERE npm='$npm'";
23 if(!$koneksi->query($sql))
24 die('Edit MHS Gagal');
25 else
26 header("Location: mhs.php");
27 }
28 if(isset($_POST['submit_delete'])){
29 $npm = $_POST['npm'];
30 $sql = "DELETE FROM mhs
31 WHERE npm='$npm'";
32 if(!$koneksi->query($sql))
33 die('Hapus MHS Gagal');
34 else
35 header("Location: mhs.php");
36 }
37 ?>
```

LATIHAN

Tampilan krs.php

The screenshot shows two PHP files open in Visual Studio Code:

krs.php (Top File)

```
File Edit Selection View Go Run Terminal Help
krs.php x menu_krs.php
krs.php
1 <?php
2 include "koneksi.php";
3 >
4
5 <html lang="en">
6 <head>
7   <meta charset="UTF-8">
8   <meta http-equiv="X-UA-Compatible" content="IE=edge">
9   <meta name="viewport" content="width=device-width, initial-scale=1.0">
10  <title>krs</title>
11 </head>
12 <body>
13   <?php
14     include "menu_krs.php";
15   >
16   <br>
17   <?php
18     $sql = "SELECT K.kode,R.npm AS n_rpm, MK.kode AS mk_kode, T.id AS t_id
19       FROM krs K
20       JOIN mhs R ON K.nhs_npm = R.npm
21       JOIN mk MK ON K.mk_kode = MK.kode
22       JOIN ta T ON K.ta_id = T.id";
23     $res = $koneksi->query($sql);
24     $jumlah_data = $res->num_rows;
25
26     echo "Ditemukan $jumlah_data data";
27     echo "<table border='1' width='100%>";
28     echo "  <thead>";
29     echo "    <tr>
30      <td width='5%>No.</td>
31      <th width='5%>Act</th>
32      <td width='5%>10</td>
33      <td width='15%>NPM</td>
34      <td width='20%>Mata Kuliah</td>
35      <td width='20%>Semester</td>
36      <td width='20%>Tahun Ajar</td>
37      <td width='20%>Nilai</td>
38    </tr>
39  </thead>
40  <tbody>";
41
42  $i = 0;
43  while($dat = $res->fetch_array(MYSQLI_BOTH)){
44    $i++;
45    echo "<tr>
46      <td align='center'>$i</td>
47      <td><a href='krs_detil.php?id=".$dat['id']."'>Detil</a></td>;
48      <td>$dat['id']</td>
49      <td>$dat['n_rpm']</td>
50      <td>$dat['mk_kode']</td>
51      <td>$dat['sem']</td>
52      <td>$dat['ta_id']</td>
53      <td>$dat['nilai']</td>
54    </tr>";
55  }
56  echo "  </tbody>
57  </table>
58 >
59 </body>
60 </html>
```

Activate Windows
Go to Settings to activate Windows.

krs_detil.php (Bottom File)

```
File Edit Selection View Go Run Terminal Help
krs.php x menu_krs.php
krs.php
1 <?php
2 include "koneksi.php";
3 >
4
5 <html lang="en">
6 <head>
7   <meta charset="UTF-8">
8   <meta http-equiv="X-UA-Compatible" content="IE=edge">
9   <meta name="viewport" content="width=device-width, initial-scale=1.0">
10  <title>krs</title>
11 </head>
12 <body>
13   <?php
14     include "menu_krs.php";
15   >
16   <br>
17   <?php
18     $sql = "SELECT K.kode,R.npm AS n_rpm, MK.kode AS mk_kode, T.id AS t_id
19       FROM krs K
20       JOIN mhs R ON K.nhs_npm = R.npm
21       JOIN mk MK ON K.mk_kode = MK.kode
22       JOIN ta T ON K.ta_id = T.id";
23     $res = $koneksi->query($sql);
24     $jumlah_data = $res->num_rows;
25
26     echo "Ditemukan $jumlah_data data";
27     echo "<table border='1' width='100%>";
28     echo "  <thead>";
29     echo "    <tr>
30      <td width='5%>No.</td>
31      <th width='5%>Act</th>
32      <td width='5%>10</td>
33      <td width='15%>NPM</td>
34      <td width='20%>Mata Kuliah</td>
35      <td width='20%>Semester</td>
36      <td width='20%>Tahun Ajar</td>
37      <td width='20%>Nilai</td>
38    </tr>
39  </thead>
40  <tbody>";
41
42  $i = 0;
43  while($dat = $res->fetch_array(MYSQLI_BOTH)){
44    $i++;
45    echo "<tr>
46      <td align='center'>$i</td>
47      <td><a href='krs_detil.php?id=".$dat['id']."'>Detil</a></td>;
48      <td>$dat['id']</td>
49      <td>$dat['n_rpm']</td>
50      <td>$dat['mk_kode']</td>
51      <td>$dat['sem']</td>
52      <td>$dat['ta_id']</td>
53      <td>$dat['nilai']</td>
54    </tr>";
55  }
56  echo "  </tbody>
57  </table>
58 >
59 </body>
60 </html>
```

Activate Windows
Go to Settings to activate Windows.

No	Act	ID	NPM	Mata Kuliah	Semester	Tahun Ajar	Nilai
1	Detil	2	2013030014	01	GENAP	20	99
2	Detil	3	2013030025	02	GENAP	20	80
3	Detil	4	2013030050	03	GENAP	20	85
4	Detil	1	2013030064	04	GENAP	20	90

Tampilan krs_add.php

The screenshot shows a Visual Studio Code interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** krs_add.php - modul3 - Visual Studio Code
- Explorer:** Shows a list of files in the workspace:
 - koneksi.php
 - krs_add.php** (selected)
 - krs_detail.php
 - krs_proc.php
 - krs.php
 - menu_krs.php
 - menu_mk.php
 - menu_ta.php
 - menu.php
 - mhs_add.php
 - mhs_detail.php
 - mhs_proc.php
 - mhs.php
 - mk_add.php
 - mk_detail.php
 - mk_proc.php
 - mk.php
 - ta_add.php
 - ta_detail.php
 - ta_proc.php
 - ta.php
- Editor:** The current file, krs_add.php, contains PHP code for adding a new record to the KRS database. It includes an include statement for 'koneksi.php', a form action to 'krs_proc.php' for POST method, and dropdown menus for selecting 'mhs_npm' and 'mk_kode'. The code uses MySQL queries to fetch data from 'mhs' and 'mk' tables.
- Status Bar:** Activate Windows, Go to Settings to activate Windows.

MODULI

- koneks.php
- krs_add.php
- krs_edit.php
- krs_pro.php
- krs.php
- menu_krs.php
- menu_mk.php
- menu_ta.php
- menu.php
- mhs_add.php
- mhs_deb.php
- mhs_pro.php
- mhs.php
- mk_add.php
- mk_deb.php
- mk_pro.php
- mk.php
- ta_add.php
- ta_deb.php
- ta_pro.php
- tag.php

krss_add.php

```
31      echo "<option value='".$dat['kode']."'>".$dat['kode']." - ".$dat['nama']."</option>";
32  }
33  </select>
34  <br>
35  <input type="text" name="sem"><br>
36  ta_id<br>
37  <select name="ta_id">
38      <option value="0">Pilih...
39      </option>
40      <option value="1">SMA Negeri 1 Cirebon</option>
41      <option value="2">SMA Negeri 2 Cirebon</option>
42      <option value="3">SMA Negeri 3 Cirebon</option>
43      <option value="4">SMA Negeri 4 Cirebon</option>
44      <option value="5">SMA Negeri 5 Cirebon</option>
45      <option value="6">SMA Negeri 6 Cirebon</option>
46      <option value="7">SMA Negeri 7 Cirebon</option>
47      <option value="8">SMA Negeri 8 Cirebon</option>
48      <option value="9">SMA Negeri 9 Cirebon</option>
49      <option value="10">SMA Negeri 10 Cirebon</option>
50      <option value="11">SMA Negeri 11 Cirebon</option>
51      <option value="12">SMA Negeri 12 Cirebon</option>
52      <option value="13">SMA Negeri 13 Cirebon</option>
53      <option value="14">SMA Negeri 14 Cirebon</option>
54      <option value="15">SMA Negeri 15 Cirebon</option>
55      <option value="16">SMA Negeri 16 Cirebon</option>
56  </select>
57  </form>
58  </body>
59  </html>
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

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VIEW ADD

mhs_npm: 01
mhs_nama: 2013030014 - Fina Dhennisa
mk_kode: 01 - Pengaruh Basis Data
sem: geno
ta_id: 2020
ta_nila: 90
SIMPAN

Activate Windows
Go to Settings to activate Windows.

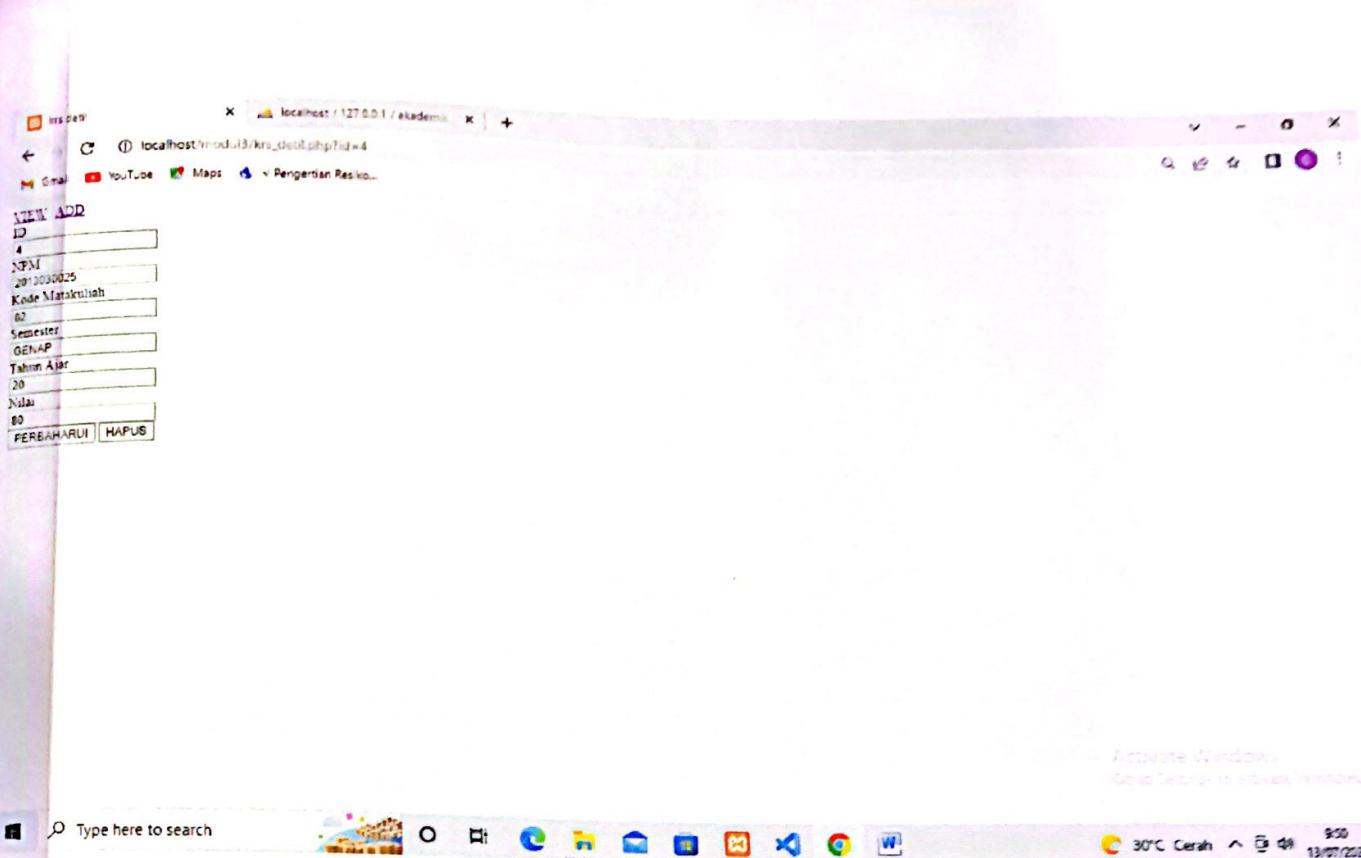
Type here to search

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30°C Cerah 9:47 13/07/2022

Tampilan krs_detil.php

```
1 <?php
2 $id = $_GET['id'];
3 $sql = "SELECT * FROM krs WHERE id='$id'";
4 $res = $koneksi->query($sql);
5 $row = $res->fetch_array(MYSQLI_BOTH);
6 >
7 <!DOCTYPE html>
8 <html>
9 <head>
10 <meta charset="UTF-8">
11 <title>krs detil</title>
12 </head>
13 <body>
14 <?php
15 include "menu_krs.php";
16 >>
17 <form action="krs_proc.php" method="post">
18 ID<br>
19 <input type="text" name="id" value=<?php echo $row['id']?>><br>
20 NPM<br>
21 <input type="text" name="mhs_npm" value=<?php echo $row['mhs_npm']?>><br>
22 Kode Matakuliah<br>
23 <input type="text" name="mk_kode" value=<?php echo $row['mk_kode']?>><br>
24 Semester<br>
25 <input type="text" name="sem" value=<?php echo $row['sem']?>><br>
26 Tahun Ajaran<br>
27 <input type="text" name="ta_id" value=<?php echo $row['ta_id']?>><br>
28 Nilai<br>
29 <input type="text" name="nilai" value=<?php echo $row['nilai']?>><br>
30 <input type="submit" name="edit" value="PERBAHKARU!">
31 <input type="submit" name="hapus" value="HAPUS" onclick="return confirm('Yakin Menghapus Data Ini?')">
32 </form>
33 </body>
34 </html>
```



Tampilan 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', '$nilai')";
    if(!$koneksi->query($sql))
        die('Tambah krs Gagal');
    else
        header("Location: krs.php");
}
if(isset($_POST['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='$id'";
    if(!$koneksi->query($sql))
        die('Edit krs Gagal');
    else
        header("Location: krs.php");
}
```

A screenshot of a Windows desktop environment. The taskbar at the bottom shows various pinned icons and the date/time (13/07/2022). The main window is a code editor displaying a PHP script named 'mk.php'. The code includes logic for handling POST requests and database queries. On the left, a file explorer sidebar lists several other PHP files such as 'koneksi.php', 'trs_add.php', etc.

```
1 header("location: krs.php");
2 }
3 if(isset($_POST['hapus'])) {
4 $id = $_POST['id'];
5 $sql = "DELETE FROM krs
6 WHERE id='$id'";
7 if(mysqli_query($koneksi,$sql)) {
8 die("Hapus krs berhasil");
9 } else {
10 header("location: krs.php");
11 }
12 }
```

Tampilan mk.php

A screenshot of the Visual Studio Code interface. The left sidebar shows a file tree with a folder named 'MODULS' containing various PHP files. The 'mk.php' file is currently selected and open in the main editor area. The code displays an HTML table structure with columns for No., Aktif, Kode, and Nama. Below the table, there is PHP code for selecting data from a MySQL table named 'mk'.

```
1 <?php
2 include "koneksi.php";
3 ?>
4
5 <!DOCTYPE html>
6 <html lang="en">
7 <head>
8   <meta charset="UTF-8">
9   <meta http-equiv="X-UA-Compatible" content="IE=edge">
10  <meta name="viewport" content="width=device-width, initial-scale=1.0">
11  <title>mk</title>
12 </head>
13 <body>
14  <?php include "menu_mk.php"; ?>
15  <table width="100%" border="1">
16    <thead>
17      <tr>
18        <th width="5%">No.</th>
19        <th width="5%">Aktif</th>
20        <th width="15%">Kode</th>
21        <th width="25%">Nama</th>
22      </tr>
23    </thead>
24    <tbody>
25      <?php
26        $sql = "select * from mk";
27        $res = $koneksi->query($sql);
28        if ($res->num_rows > 0) {
29          $i = 0;
30          while ($dat =>$res->fetch_assoc()) {
31            $i++;
32            echo "<tr>" .
```

```
MODULS
└─ koneksi.php
└─ lns_add.php
└─ lns_detail.php
└─ lns_proses.php
└─ lns.php
└─ menu_lns.php
└─ menu_mk.php
└─ menu_ta.php
└─ menu.php
└─ mhs_add.php
└─ mhs_detail.php
└─ mhs_proses.php
└─ mhs.php
└─ mk_add.php
└─ mk_detail.php
└─ mk_proses.php
└─ mk.php
└─ ta_add.php
└─ ta_detail.php
└─ ta_proses.php
└─ ta.php

mk.php
```

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localhost/modul3/mk.php

YouTube Maps Pengertian Resiko...

30°C Cerah 9:59 13/07/2022

Act	Kode	Nama
Detil	01	Pemrograman Basis Da
Detil	02	Tata Kelola Teknolog
Detil	03	Struktur Data
Detil	04	Riset Operasi
Detil	05	Pemrograman Web
Detil	06	Inovasi Teknologi

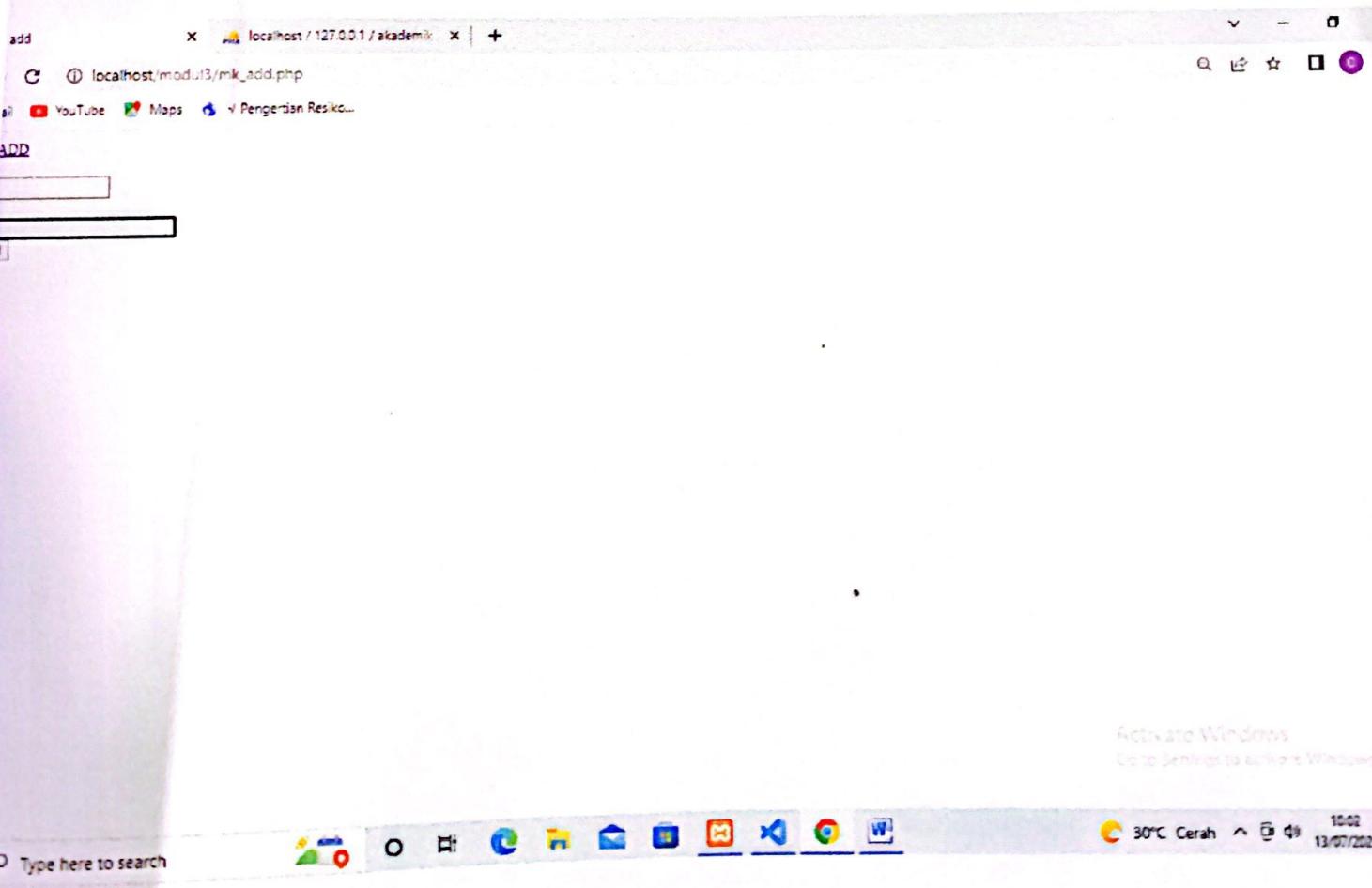
Activate Windows
Go to Settings to activate Windows.

Ilan mk_add.php

The screenshot shows the Visual Studio Code interface with the file `mk_add.php` open. The code is a PHP script for adding a new record to a database. It includes header meta tags, a form with a text input for 'kode' and a submit button for 'submit_add'.

```
<?php
include "koneksi.php";
</?>
<!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>mk add</title>
</head>
<body>
<?php include "menu_mk.php"; ?>
<br>
<form name="myform" 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="submit_add" id="submit_add" value="SIMPAN">
</form>
</body>
</html>
```

Activate Windows
Go to Settings to activate Windows



Activate Windows
Go to Settings to activate Windows

Type here to search



30°C Cerah 13/07/2022

File Edit Selection View Go Run Terminal Help

mk_detail.php - modul3 - Visual Studio Code

mk_detail.php mhs_detail.php mhs_proc.php mhs.php mk_add.php mk_detail.php X mk_proc.php mk.php

EXPLORER

MODULES

- koneksi.php
- krs_add.php
- krs_detail.php
- krs_proc.php
- kr.php
- menu_krs.php
- menu_mk.php
- menu_ta.php
- menu.php
- mhs_add.php
- mhs_detail.php
- mhs_proc.php
- mhs.php
- mk_add.php
- mk_detail.php
- mk_proc.php
- ta_add.php
- ta_detail.php
- ta_proc.php
- ta.php

mk_detail.php

```
1 <?php
2 include 'koneksi.php';
3 $kode = $_GET['kode'];
4 $sql = "SELECT * FROM mk WHERE kode='$kode'";
5 $res = $koneksi->query($sql);
6 $dat = $res->fetch_assoc();
7 ?>
8 <!DOCTYPE html>
9 <html>
10 <head>
11 <title>mk edit</title>
12 </head>
13 <body>
14 <?php include 'menu_mk.php';?>
15 <br>
16 <form name="myform" action="mk_proc.php" method="POST">
17 Kode
18 <br><input type="text" name="kode" id="kode" value=<?php echo $dat['kode']?>>
19 <br>Nama
20 <br><input type="text" name="nama" id="nama" size="30" value=<?php echo $dat['nama']?>>
21 <br><input type="submit" name="submit_edit" id="submit_edit" value="SIMPAN">
22 <input type="submit" name="submit_delete" id="submit_delete" value="HAPUS">
23 </form>
24 </body>
25 </html>
26
```

Activate Windows
Go to Settings to activate Windows.

localhost / 127.0.0.1 / akademik

localhost/modul3/mk_detail.php?kode=05

YouTube Maps Pengertian Resiko...

Activate Windows
Go to Settings to activate Windows.

30°C Cerah 10:05 13/07/2022

lumpish_wk_proc.php

```
1 <?php
2 include 'connect.php';
3 if(isset($_POST['submit'])) {
4     $Mode = $_POST['Mode'];
5     $Name = $_POST['name'];
6     $Sql = "INSERT INTO `m`(`Mode`, `Name`) VALUES('{$Mode}', '{$Name}')";
7     if(mysqli_query($Sql)) {
8         die("Success");
9     } else {
10        header("Location: ok.php");
11    }
12 } elseif(isset($_POST['submit_edit'])) {
13     $Mode = $_POST['Mode'];
14     $Name = $_POST['name'];
15     $Sql = "UPDATE `m` SET name='{$Name}' WHERE Mode='{$Mode}'";
16     if(mysqli_query($Sql)) {
17         die("Update Success");
18     } else {
19        header("Location: ok.php");
20    }
21 } elseif(isset($_POST['submit_delete'])) {
22     $Mode = $_POST['Mode'];
23     $Sql = "DELETE FROM `m` WHERE Mode='{$Mode}'";
24     if(mysqli_query($Sql)) {
25         die("Delete Success");
26     } else {
27        header("Location: ok.php");
28    }
29 }
```

Tampilan ta.php

The screenshot shows a Visual Studio Code interface with the title bar "File Edit Selection View Go Run Terminal Help" and the window title "ta.php - modul3 - Visual Studio Code". The left sidebar lists files under "MODULES" including "koneksi.php", "mhs.php", "mk.php", "menu.php", "menu_krs.php", "menu_ta.php", "mhs_add.php", "mhs_detail.php", "mhs_proses.php", "mk_add.php", "mk_detail.php", "mk_proses.php", and "ta.php", with "ta.php" currently selected. The main editor area displays the following PHP code:

```
<?php
    include "koneksi.php";
?>
<!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>ta</title>
</head>
<body>
<?php include "menu_ta.php"; ?>
<table width="100%" border="1">
    <thead>
        <tr>
            <th width="5%">No.</th>
            <th width="5%">Act</th>
            <th width="15%">Id</th>
            <th width="25%">Nama</th>
        </tr>
    </thead>
    <tbody>
        <?php
            $sql = "select * from ta";
            $res = $koneksi->query($sql);
            if ($res->num_rows > 0) {
                $i = 0;
                while ($dat = $res->fetch_assoc()) {
                    $i++;
                    echo "<tr>";
                    echo "<td>" . $i . "</td>";
                    echo "<td>" . $dat['act'] . "</td>";
                    echo "<td>" . $dat['id'] . "</td>";
                    echo "<td>" . $dat['nama'] . "</td>";
                    echo "</tr>";
                }
            }
        </?php>
    </tbody>
</table>

```

```
File: ta.php
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
```

Activate Windows
Go to Settings to activate Windows.

In 20.4GB 33 Spaces 2 UTF-8 CR LF PHP JP D 10:09

30°C Cerah 13/07/2022

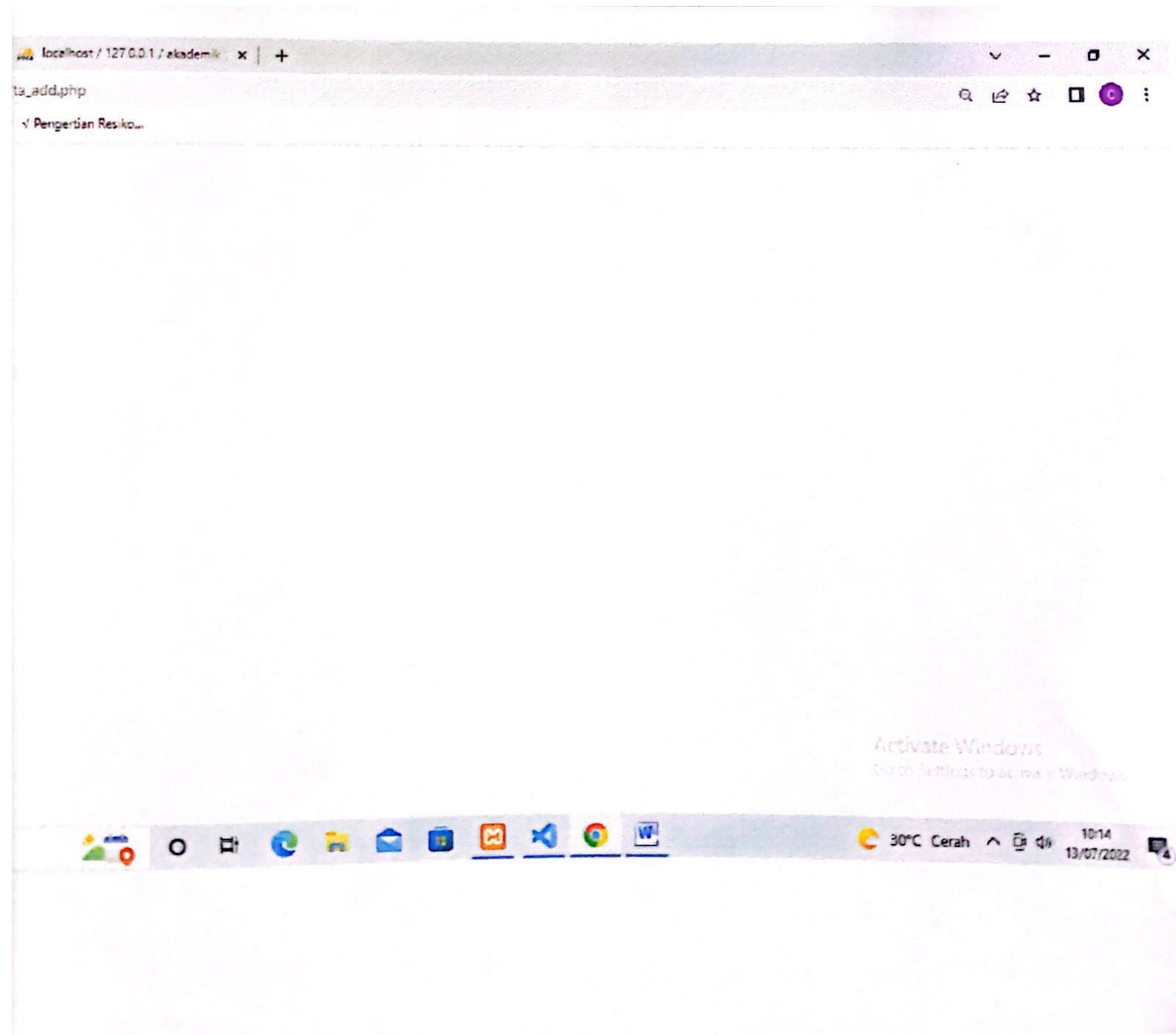
localhost / 127.0.0.1 / akademik x | +

localhost /modul3/ta.php

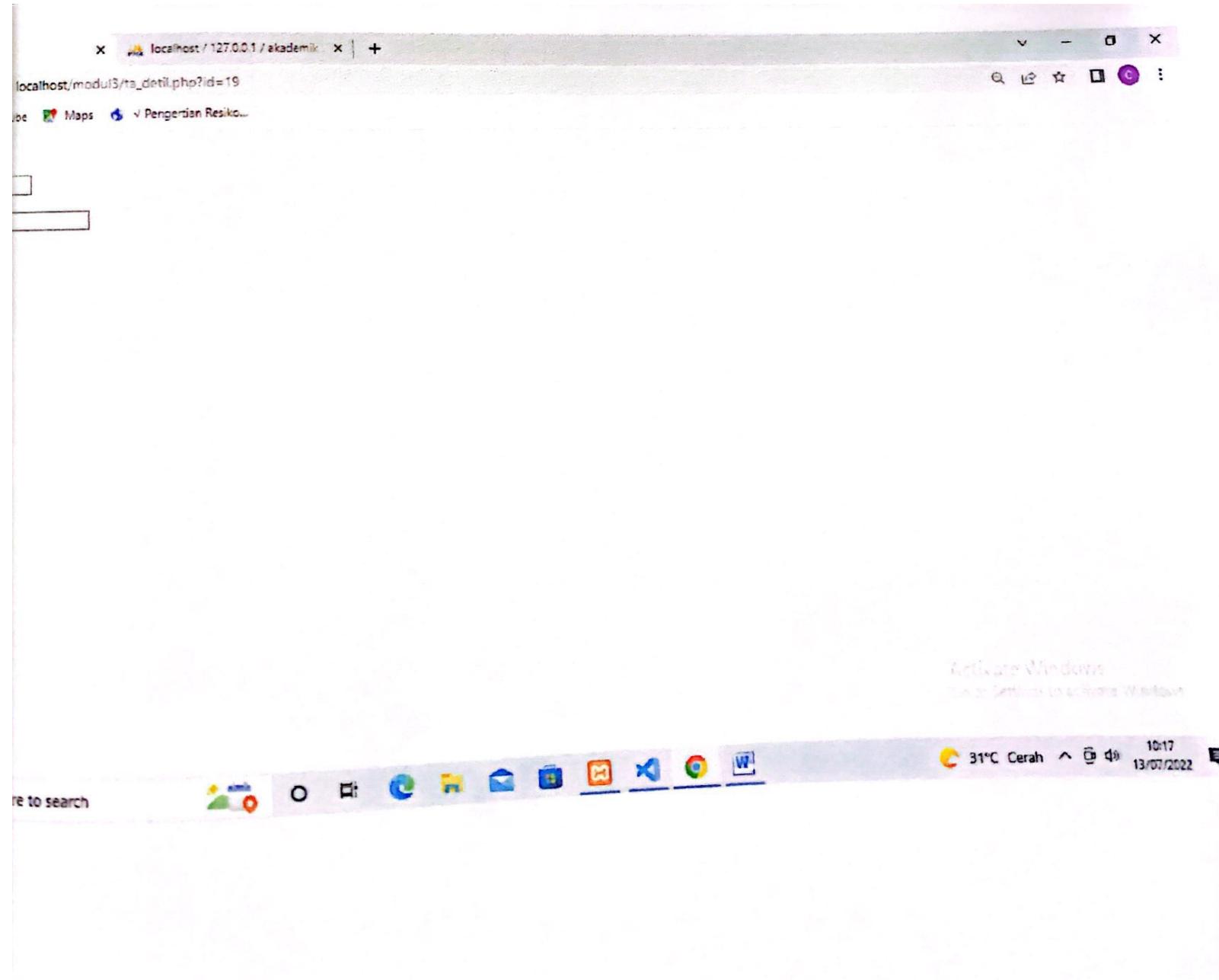
YouTube Maps Pengertian Resiko...

Act	Id	Nama
Detail	20	2020
Detail	19	2019
Detail	18	2018
Detail	21	2021





Scanned with CamScanner



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File Edit Selection View Go Run Terminal Help

ta_pro.php - module - Visual Studio Code

ta_pro.php ta_add.php ta_detail.php ta_edit.php ta_list.php ta_proc.php ta_update.php ta.php

Outline Timeline

Activate Windows
Go to Settings to activate Windows

MODULES

- konksi.php
- ks_add.php
- ks_detail.php
- ks_proc.php
- ks.php
- menu_ks.php
- menu_mk.php
- menu_ta.php
- menu.php
- rhs_add.php
- rhs_detail.php
- rhs_proc.php
- rhs.php
- nk_add.php
- nk_detail.php
- nk_proc.php
- nk.php
- ta_add.php
- ta_detail.php
- ta_proc.php
- ta.php

ta_pro.php

```
1 <?php
2 include 'koneksi.php';
3 if(isset($_POST['submit'])) {
4 $id = $_POST['id'];
5 $nama = $_POST['nama'];
6 $sql = "INSERT INTO ta
7 ($id,nama)
8 VALUES
9 ('$id','$nama')";
10 if(!$koneksi->query($sql))
11 die('Tambah TA gagal');
12 else
13 header("location: ta.php");
14 }
15 if(isset($_POST['submit_edit'])) {
16 $id = $_POST['id'];
17 $nama = $_POST['nama'];
18 $sql = "UPDATE ta
19 SET nama='$nama'
20 WHERE id='$id'";
21 if(!$koneksi->query($sql))
22 die('Edit TA gagal');
23 else
24 header("location: ta.php");
25 }
26 if(isset($_POST['submit_delete'])) {
27 $id = $_POST['id'];
28 $sql = "DELETE FROM ta
29 WHERE id='$id'";
30 if(!$koneksi->query($sql))
31 die('Hapus TA gagal');
32 else
33 header("location: ta.php");
34 }
35 ?>
```

Activate Windows
Go to Settings to activate Windows

BAB IV

KESIMPULAN

Kesimpulan Yaitu MySQL API digunakan untuk berkomunikasi dengan database MySQL melalui PHP.

PHP yang digunakan untuk memfilter, menyebutkan, menambah, mengedit dan menghapus data pada data mahasiswa dapat implementasikan untuk tabel lain dengan sedikit perubahan sintaks menggunakan data yang diinginkan.

Hasilnya hanya dibuat sekali dan diindeks pada yang mana.

bertujuan mahasiswa mampu mendekomposisi PHP MySQL API, dapat membuat program untuk mengakses database SQL dengan menggunakan PHP dapat membuat program sederhana.