

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

Tanggal

.....

Materi

.....

PHP dan DATABASE

.....

PRODI SISTEM INFORMASI  
FAKULTAS TEKNIK  
UNIVERSITAS NUSANTARA PGRI KEDIRI

## BAB I

### DASAR TEORI

MySQL API (Application Programming Interface) merupakan komponen 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 menentukan database yg akan digunakan
2. membuat SQL (Structure Query Language)

3. Melakukan proses query

4. Mengumpulkan hasil query kedalam sebuah variabel untuk ditampilkan / di proses.

#### MySQLi

MySQL Improved merupakan peringkatan teknik pengaksesan terhadap database MySQL yang merupakan perkembangan dari PHP 5.x atau yang terbaru.

Dengan menggunakan MySQLi memungkinkan untuk mengakses Stored Procedure, Stored Function atau Prepared Statement.

MySQLi extension memiliki sejumlah manfaat diantaranya adalah :

- Menggunakan interface object oriented.
- Mendukung Penggunaan Prepared Statement.
- Mendukung Penggunaan multiple statement.
- Mendukung Penggunaan transaction
- Mengintegrasikan terhadap kemampuan Pencarian kesalahan program (debugging)
- Mendukung Penggabungan server

Berikut ini daftar API MySQLi yg umum dipakai

API	Fungsi
mysqli->query	Mengirimkan query ke database yang aktif
\$mysqli->result->fetch_array	Melampirkan data hasil query yang dapat diakses dengan nomor array field atau nama field
\$mysqli->result->num_rows	Mengambil jumlah baris/data hasil dari proses query
\$mysqli->error	Melampirkan pesan kesalahan / kegagalan koneksi.

#### Koneksi Database

```
<?php  
// mendefinisikan variabel  
$hostname = "localhost"; // alamat server db mysql  
$username = "root"; // username db mysql  
$password = ""; // Password db mysql  
$database = "akademik" // nama database mysql  
$koneksi = new mysqli($hostname, $username, $password, $database) or  
die ("Koneksi Server Database Gagal ".mysqli->error());  
echo "Koneksi Server Database Berhasil";  
?>
```

## BAB II

### PERCOBAAN DAN LATIHAN

#### # PERCOBAAN

1. Buatlah database dengan nama akademik  
Buatlah tabel database dengan nama mhs, krs, mtk dan ta

V unp-akademik mhs  
npm : Varchar(20)  
nama : Varchar(50)  
alamat : Varchar(200)

V unp-akademik krs  
(d : int(11))  
mhs\_npm : Varchar(20)  
mtk\_kode : Varchar(20)  
sem : enum('GENJIL', 'GENAP')  
ta\_id : Varchar(20)  
# nilai : int(11)

V unp-akademik mtk  
kode : Varchar(20)  
nama : Varchar(50)

V unp-akademik ta  
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 menampilkan data, diberi nama menu.php.

```
<a href = "mhs.php">VIEW</a> | <a href = "mhs_add.php">ADD</a>
```

4. File PHP menampilkan 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='15%'> N0. </th>
        <th width='15%'> NPM </th>
        <th width='85%'> Nama </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()) {
            $itt;
            echo "<tr>
                <td> $i </td>
                <td> <a href='mhs-detil.php?npm=". $dat
                    ['npm']. "'>".
$dat['npm']. "</a></td>
                <td> ". $dat['nama']. "</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'; ?>
<br>
<form name="myform" action="mhs-proc.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="50" >
    <br> <input type="submit" name="submit-add" id="submit-add" value="Simpan" >
</form>
</body>
</html>

```

6. File PHP menampilkan 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="nama" id="nama" size="30" value="<?php echo $dat['nama'] ?>">
    <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 memproses data, beri nama mhs-proc.php

```
<?php
include 'koneksi.php';
if (isset($_POST['submit-add'])) {
    $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 = '$alamat'
            WHERE npm = '$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");
}
?>

```

## # LATIHAN

Membuat program php untuk menambah, menampilkan, mengubah, dan menghapus data dari tabel mk, ta, dan krs.

- A. Menambah data tabel mk buat file mk-add.php, data ta buat file ta-add.php, untuk krs buat krs-add.php untuk sintak mirip dengan mhs-add.php hanya mengubah beberapa nama data sesuai dengan data mk, ta, dan krs. contoh:  
membuat mk-add.php maka rubah sintaks dari mhs-add.php bagian NPM, Nama, alamat menjadi Kode dan Nama NPM  
`<br><input type="text" name="npm" id="npm"> DIRUBAH MENJADI KODE`  
`<br><input type="text" name="kode" id="kode">`  
 begitu juga untuk nama dan data lain pada ta & krs
- B. Menampilkan data tabel mk, ta, dan krs sintaks seperti mhs.php kita buat file mk.php, ta.php dan krs.php  
sintaks yang dirubah yaitu bagian :
- 1) `<th width='10%'> NPM` dirubah sesuai data tabel contohnya dalam data mk kode maka dirubah menjadi  
`<th width='10%'> KODE`  
 sintaks berikutnya yang berubah yaitu pada

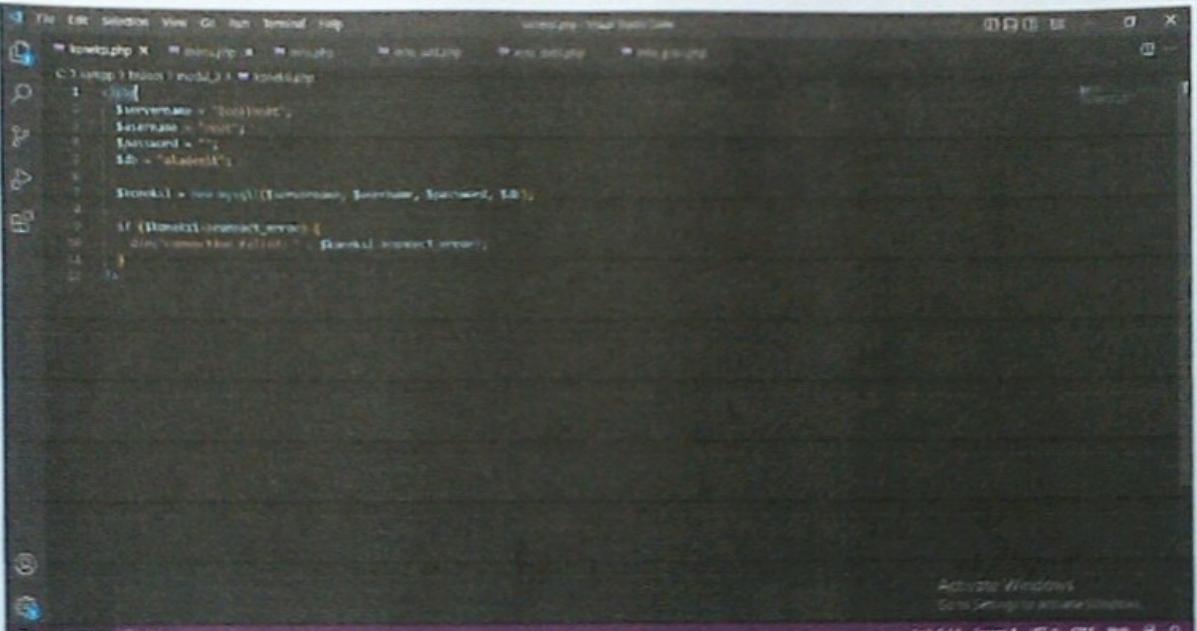
- 2) \$sql = "select \* FROM mhs" dirubah sesuai nama tabel jika untuk mk maka berubah menjadi  
\$sql = "select \* FROM mk".  
begitu pula tabel lainnya.  
Yang dirubah juga pada
- 3) <td><a href = 'mhs-detail.php?npm = '\$dat['npm']."'>  
edit </a></td> dirubah jadi mengikuti data masing tabel  
<td><a href = 'mk-detail.php? (kolom pertama mk)' = '\$dat  
' (kolom pertama mk)'> Edit </a></td>  
Implementasi <td><a href = 'mk-detail.php?kode = '\$dat['kode']"  
> Edit </a></td>  
Terakhir rubah.
- 4) <td>"\$dat["npm"]". </td> menjadi sesuai data mk  
menjadi <td>"\$dat['kode']". </td>  
Catatan rubah sintaks sesuai data yang diinginkan baik  
dari mk, ta maupun krs.
- C. Merubah dan menghapus data buat file dg nama mk-detail.php  
ta-detail.php krs-detail.php Rubah sintaks dari mhs-detail.php  
sintaks yang dirubah bagian
- 1) \$sql = "SELECT \* FROM mhs WHERE npm = '\$npm"'; rubah jadi:  
\$sql = "SELECT \* FROM MK WHERE Kode = '\$kode'"
  - 2) Rubah tiap href masing-masing jika mk maka href = "mk.php"  
dan href = mk-add.php dan action = "mk-proc.php"
  - 3) Rubah nama, npm, alamat pada mhs-detail.php sesuai  
data jika mk-detail maka rubah menjadi kode & nama.
- D. untuk memproses semua data buat mk-proc.php, ta-proc.php,  
krs-proc.php rubah sintaks dari mhs-proc.php  
Bagian yang dirubah yaitu :
- 1) Rubah npm, nama, alamat serta \$npm, \$nama, \$alamat  
sesuai dengan data yang ada pada tabel yang akan dibuat  
jika mk maka rubah menjadi kode, nama serta \$kode dan \$nama.
  - 2) Rubah header location dari mhs.php menjadi sesuai  
data jika mk maka mk.php jika ta maka ta.php  
begitu juga dengan krs menjadi krs.php  
Untuk lebih jelasnya dapat dilihat pada tampilan program.

# BAB III

## TAMPILAN PROGRAM

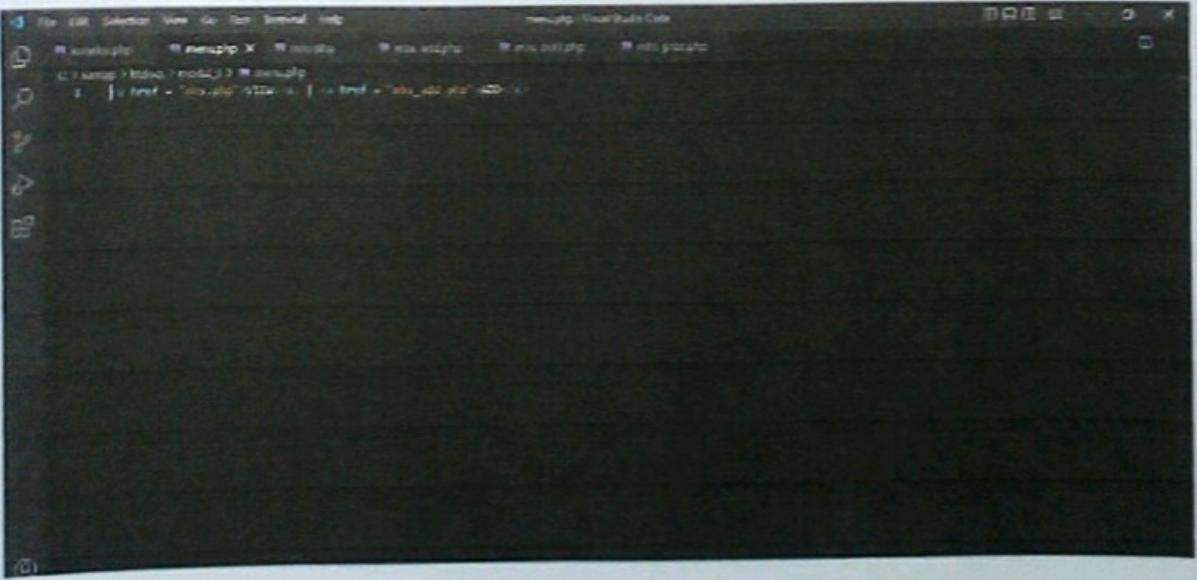
### PERCOBAAN

#### Tampilan koneksi



```
File Edit Selection View Go Run Terminal Help
m_koneksi.php m_main.php m_index.php m_tambah.php m_update.php m_hapus.php
C:\xampp\htdocs\modul3\m_koneksi.php
1 <?php
2     $servername = "localhost";
3     $username = "root";
4     $password = "";
5     $db = "akademik";
6
7     $conn = mysqli_connect($servername, $username, $password, $db);
8
9     if ($conn->connect_error) {
10         die("Connection failed: " . $conn->connect_error);
11     }
12
13     //echo "Connected successfully";
14
15 ?>
```

#### Tampilan menu



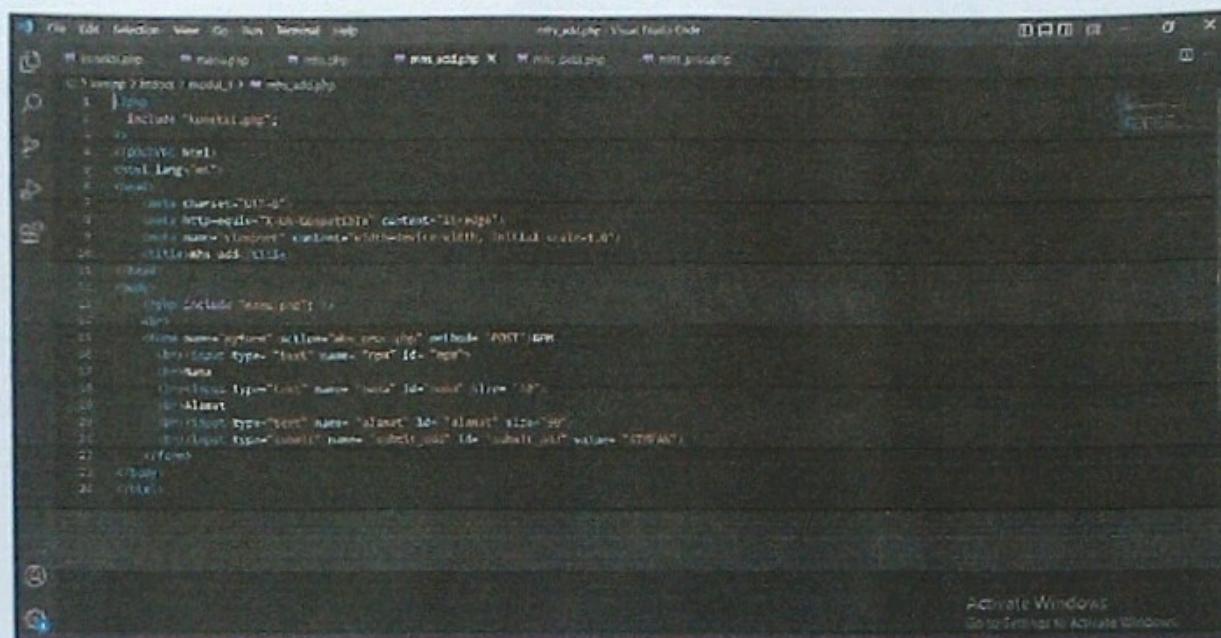
```
File Edit Selection View Go Run Terminal Help
m_koneksi.php m_main.php m_index.php m_tambah.php m_update.php m_hapus.php
C:\xampp\htdocs\modul3>
```

## Tampilan mhs

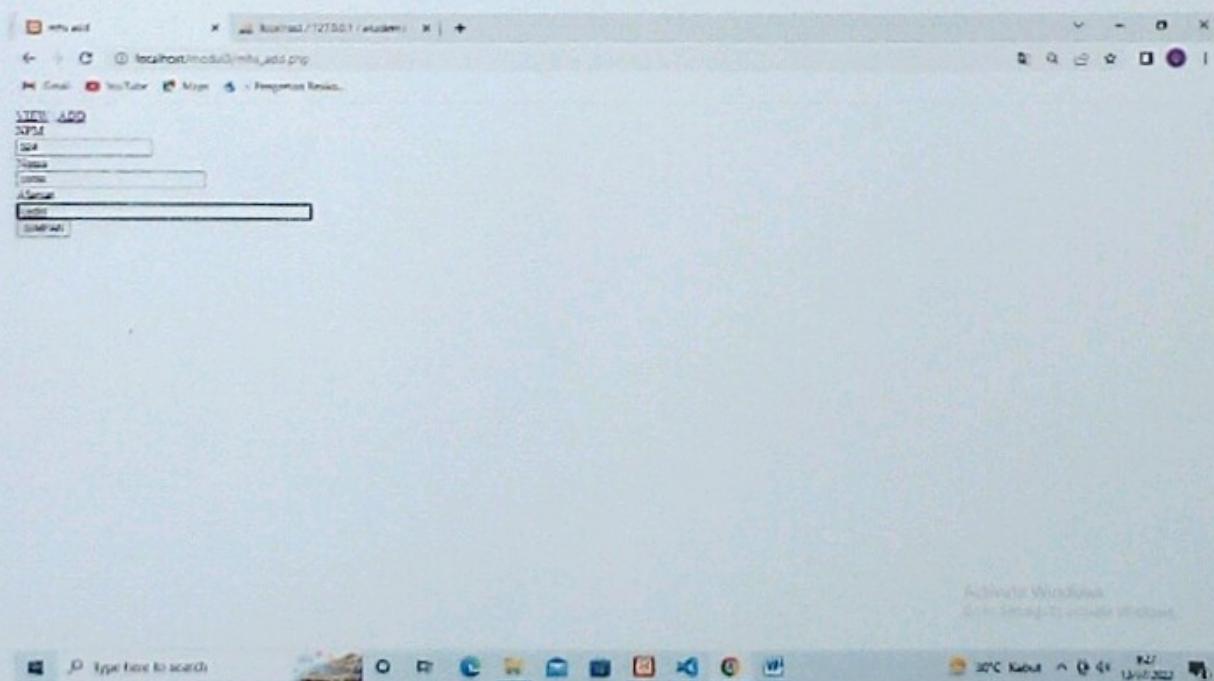
```
C:\wamp\moda>modula>\modula.php
1 1.php
2 2. include("modula.php");
3
4
5 <html>
6 <head> lang="en"
7 meta
8 meta charset="utf-8"
9 meta http-equiv="X-UA-Compatible" content="IE=edge"
10 meta name="viewport" content="width=device-width, initial-scale=1"
11 title="Modula"
12
13
14 body
15 <h1> include "modula.php";
16 <div> width="100%" height="100%"
17
18 <div>
19   <div> width="33.33333333333333%">
20     <div> width="100%"/>
21     <div> width="100%">
22       <div> width="100%">
23         <div>
24           <div>
25             <div>
26               <div>
27                 $sql = "SELECT * FROM abc";
28                 $res = mysqli_query($sql);
29                 if ($res->num_rows > 0) {
30                   $i = 0;
31                   while ($row = $res->fetch_assoc()) {
32                     $i++;
33                   }
34                 }
35               </div>
36             </div>
37           </div>
38         </div>
39       </div>
40     </div>
41   </div>
42 </div>
43 </body>
44 </html>
```

No.	Art	NPM	Nama	Alamat
1	Dewi	2013610614	Pita Dianawita	Ngawi
2	Dewi	2013610604	Suciati Astra M	Kediri
3	Dewi	2014610629	Ginting Dwi Fajar Sari	Ngawi
4	Dewi	2013610610	Ratna Kurnia Lesley	Bauer
5	Dewi	2013610604	Candra Astuti Demis	Ngawi

## Tampilan mhs\_add



```
File Edit Selection View Go Run Terminal Help mhs_add.php Visual Studio Code
C:\xampp\7.0.0\modul_1\mhs_add.php
1 <?php
2     include "header.php";
3
4     <?php
5         $ambil = mysqli_query($conn, "SELECT * FROM mhs");
6         $ambil2 = mysqli_query($conn, "SELECT * FROM kelas");
7
8         while ($data = mysqli_fetch_array($ambil)) {
9             $nim = $data['nim'];
10            $nama = $data['nama'];
11            $jurusan = $data['jurusan'];
12            $alamat = $data['alamat'];
13            $telp = $data['telp'];
14            $id_kelas = $data['id_kelas'];
15        }
16
17        if (isset($_POST['submit'])) {
18            $nim = $_POST['nim'];
19            $nama = $_POST['nama'];
20            $jurusan = $_POST['jurusan'];
21            $alamat = $_POST['alamat'];
22            $telp = $_POST['telp'];
23            $id_kelas = $_POST['id_kelas'];
24
25            $query = "INSERT INTO mhs(nim, nama, jurusan, alamat, telp, id_kelas) VALUES('$nim', '$nama', '$jurusan', '$alamat', '$telp', '$id_kelas')";
26            $query2 = "INSERT INTO kelas(id_kelas, nama_kelas) VALUES('$id_kelas', '$jurusan')";
27
28            if ($conn->query($query) === TRUE && $conn->query($query2) === TRUE) {
29                echo "Data berhasil ditambahkan!";
30            } else {
31                echo "Data gagal ditambahkan: " . $conn->error;
32            }
33        }
34    }
35
36    <?php include "footer.php"; ?>
37
38
39    <form method="post">
40        <div>
41            <label>NIM</label>
42            <input type="text" name="nim" id="nim" size="15" value="1234567890" />
43        </div>
44        <div>
45            <label>Nama</label>
46            <input type="text" name="nama" id="nama" size="20" value="John Doe" />
47        </div>
48        <div>
49            <label>Jurusan</label>
50            <input type="text" name="jurusan" id="jurusan" size="10" value="SMA" />
51        </div>
52        <div>
53            <label>Alamat</label>
54            <input type="text" name="alamat" id="alamat" size="30" value="Jl. Pendidikan 123" />
55        </div>
56        <div>
57            <label>Telp</label>
58            <input type="text" name="telp" id="telp" size="15" value="08123456789" />
59        </div>
60        <div>
61            <input type="submit" value="Simpan" />
62        </div>
63    </form>
64
65    <?php
66
```



## Tampilan mhs\_detil

## Tampilan mhs\_proc

```
File Edit Selection View Go Run Terminal Help mhs_proc.php - modules > Visual Studio Code
D:\MODUL\mhs_proc.php
1 </php>
2 include 'koneksi.php';
3 if(isset($_POST['submit_add'])){
4 $npm = $_POST['npm'];
5 $nama = $_POST['name'];
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['name'];
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 
```

Activate Windows  
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```
File Edit Selection View Go Run Terminal Help mhs_proc.php - modules > Visual Studio Code
D:\MODUL\mhs_proc.php
10 header("location: mhs.php");
11 }
12 if(isset($_POST['submit_delete'])){
13 $npm = $_POST['npm'];
14 $sql = "DELETE FROM mhs
15 WHERE npm='$npm'";
16 if($koneksi->query($sql))
17 die('Hapus MHS Gagal');
18 else
19 header("location: mhs.php");
20 }
21 
```

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## LATIHAN

### Tampilan krs.php

```
<?xml version="1.0" encoding="UTF-8"?>
<?php
    $data = simplexml_load_string($response);
    $data->@attributes->content = "ID=" . $id . "&shortname=" . $shortname . "&name=" . $name . "&first_name=" . $first_name . "&last_name=" . $last_name . "&grade=" . $grade;
    $data->@attributes->content = $data->@attributes->content . "&format=json";
    echo $data;
    exit();
?>
```

```
<?php
    $data = simplexml_load_string($response);
    $data->@attributes->content = "ID=" . $id . "&shortname=" . $shortname . "&name=" . $name . "&first_name=" . $first_name . "&last_name=" . $last_name . "&grade=" . $grade;
    $data->@attributes->content = $data->@attributes->content . "&format=json";
    echo $data;
    exit();
?>
```

No	Asm	ID	NPM	Jata Kuliah	Guru	Tarif Ajar	Waktu
1	Dendi	2	2013030634	01	GENAP	10	08
2	Dendi	4	2013030623	02	GENAP	10	09
3	Dendi	3	2013030610	03	GENAP	10	10
4	Dendi	1	2013030654	04	GENAP	10	09

Tampilan krs add.php

```
m1_add.php
1 <?php
2     include 'koneksi.php';
3
4     $aksi = $_POST['aksi'];
5     $id = $_POST['id'];
6
7     if($aksi == "tambah") {
8         $query = "insert into m1 values('".$id."','".$aksi."','".$_POST['nm']."' , '".$_POST['tgllahir']."', '".$_POST['jk']."' , '".$_POST['alamat']."' , '".$_POST['telepon']."' , '".$_POST['email']."' , '".$_POST['username']."' , '".$_POST['password']."' )";
9         $sql = $conn->query($query);
10        if($sql) {
11            echo "berhasil tambah data";
12        } else {
13            echo "gagal tambah data";
14        }
15    }
16
17    if($aksi == "ubah") {
18        $id = $_POST['id'];
19        $nm = $_POST['nm'];
20        $tgllahir = $_POST['tgllahir'];
21        $jk = $_POST['jk'];
22        $alamat = $_POST['alamat'];
23        $telepon = $_POST['telepon'];
24        $email = $_POST['email'];
25        $username = $_POST['username'];
26        $password = $_POST['password'];
27
28        $sql = "update m1 set nm='".$nm."', tgllahir='".$tgllahir."', jk='".$jk."', alamat='".$alamat."', telepon='".$telepon."', email='".$email."', username='".$username."', password='".$password."' where id='".$id."'";
29        $sql = $conn->query($sql);
30        if($sql) {
31            echo "berhasil ubah data";
32        } else {
33            echo "gagal ubah data";
34        }
35    }
36
37    if($aksi == "hapus") {
38        $id = $_POST['id'];
39
40        $sql = "delete from m1 where id='".$id."'";
41        $sql = $conn->query($sql);
42        if($sql) {
43            echo "berhasil hapus data";
44        } else {
45            echo "gagal hapus data";
46        }
47    }
48
49    header("location: m1.php");
50 }
```

```
MODUL
└─ index.php
  └─ index.php
    └─ index.php
      └─ index.php
        └─ index.php
          └─ index.php
            └─ index.php
              └─ index.php
                └─ index.php
                  └─ index.php
                    └─ index.php
                      └─ index.php
                        └─ index.php
                          └─ index.php
                            └─ index.php
                              └─ index.php
                                └─ index.php
                                  └─ index.php
                                    └─ index.php
                                      └─ index.php
                                        └─ index.php
                                          └─ index.php
                                            └─ index.php
                                              └─ index.php
                                                └─ index.php
                                                  └─ index.php
                                                    └─ index.php
                                                      └─ index.php
                                                        └─ index.php
                                                          └─ index.php
                                                            └─ index.php
                                                              └─ index.php
                                                                └─ index.php
                                                                  └─ index.php
                                                                    └─ index.php
                                                                      └─ index.php
                                                                        └─ index.php
              index.php
            index.php
          index.php
        index.php
      index.php
    index.php
  index.php
index.php
```

```
1111($data = $this->fetch_data());
echo "option value=\"$data[id]\">$data[nama]
```

Add

ID:

name:

nik:

kode:

prodi:

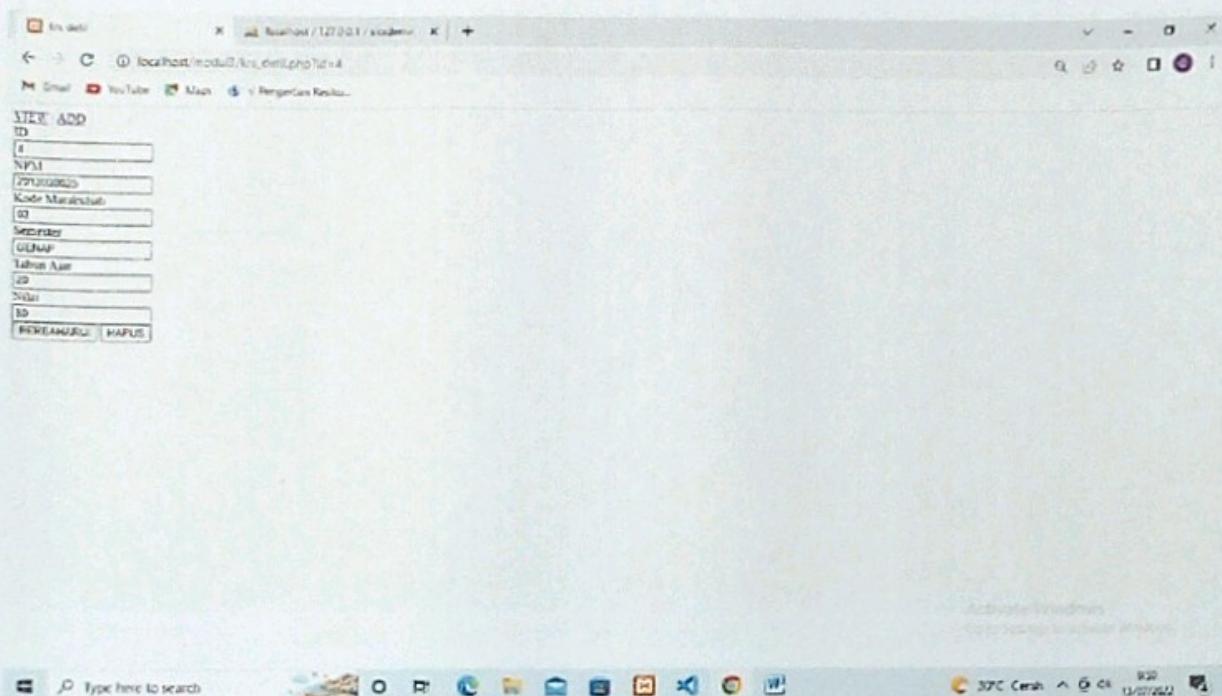
id\_jad:

color:

## Tampilan krs\_detil.php

```
File Edit Selection View Go Run Terminal Help
File:///C:/Users/.../Desktop/krs2021/View/Detail Code
1 //krs_detil.php
2 <?php
3 include "koneksi.php";
4
5 $id = $_GET['id'];
6 $sql = "SELECT * FROM krs WHERE id_krs = '$id'";
7 $rslt = $db->query($sql);
8
9 while($data = $rslt->fetch_array(MYSQLI_ASSOC)) {
10     echo "<table border='1'>";
11     echo "<tr><td>" . $data['id_krs'] . "</td><td>" . $data['id_matakuliah'] . "</td><td>" . $data['semester'] . "</td><td>" . $data['ta'] . "</td><td>" . $data['nilai'] . "</td><td>" . $data['ket'] . "</td></tr></table>";
```

```
File Edit Selection View Go Run Terminal Help
File:///C:/Users/.../Desktop/krs2021/View/Detail Code
1 //krs_detil.php
2 <?php
3 include "koneksi.php";
4
5 $id = $_GET['id'];
6 $sql = "SELECT * FROM krs WHERE id_krs = '$id'";
7 $rslt = $db->query($sql);
8
9 while($data = $rslt->fetch_array(MYSQLI_ASSOC)) {
10     echo "<table border='1'>";
11     echo "<tr><td>" . $data['id_krs'] . "</td><td>" . $data['id_matakuliah'] . "</td><td>" . $data['semester'] . "</td><td>" . $data['ta'] . "</td><td>" . $data['nilai'] . "</td><td>" . $data['ket'] . "</td></tr></table>";
```



### Tampilan krs\_proc.php

```
File Edit Selection View Go Tools Terminal Help
krs_proc.php - module - Visual Studio Code
krs_proc.php
1 <?php
2     include 'koneksi.php';
3     if(isset($_POST['krs_add'])) {
4         $id = $_POST['id'];
5         $nim_npm = $_POST['nim_npm'];
6         $nik_kosa = $_POST['nik_kosa'];
7         $sem = $_POST['sem'];
8         $ta_id = $_POST['ta_id'];
9         $nilai = $_POST['nilai'];
10        $tglnilai = date('Y-m-d');
11
12        ($nim_npm, $nik_kosa, $ta_id, $tglnilai);
13    }
14
15    $ta_id = $_POST['ta_id'];
16    $nik_kosa = $_POST['nik_kosa'];
17    $sem = $_POST['sem'];
18    $ta_id = $_POST['ta_id'];
19    $nilai = $_POST['nilai'];
20
21    $tglnilai = date('Y-m-d');
22
23    $tglnilai = date('Y-m-d');
24
25    $tglnilai = date('Y-m-d');
26
27    $tglnilai = date('Y-m-d');
```

The code is a PHP script named "krs\_proc.php" containing logic to handle a POST request for adding a new record to a database. It includes includes for "koneksi.php", processes "ta\_id", "nik\_kosa", "sem", "ta\_id", and "nilai" from the POST data, and performs several assignments and date manipulations.

A screenshot of a Windows desktop environment. The taskbar at the bottom shows various icons for system tools like Task Manager, File Explorer, and Control Panel. A code editor window titled 'mk.php' is open in the foreground, displaying PHP code. The file path 'mk/mk.php' is visible in the title bar. The code editor interface includes a sidebar with file navigation, a top menu bar, and a status bar at the bottom.

```
mk/mk.php
1 <?php
2 header("location: http://www/");
3 if($var[0] == "POST") {
4     $id = $POST[0];
5     $sql = "SELECT * FROM tsr
6         WHERE id = '$id'";
7     $query = mysqli_query($sql);
8     if(mysqli_num_rows($query) > 0) {
9         $row = mysqli_fetch_array($query);
10    echo $row['tsr'];
11 }
12 ?>
```

Tampilan mk.php

A screenshot of a Windows desktop environment. The taskbar at the bottom shows various icons for system tools like Task Manager, File Explorer, and Control Panel. A code editor window titled 'mk/mk.php' is open in the foreground, displaying PHP code. The file path 'mk/mk.php' is visible in the title bar. The code editor interface includes a sidebar with file navigation, a top menu bar, and a status bar at the bottom.

```
mk/mk.php
1 <?php
2 include "koneksi.php";
3
4 ob_start();
5 echo "




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>Document</title>
12    <link rel='stylesheet' href='style.css' />
13    <script src='script.js' />
14 </head>
15 <body>
16     <div style='width:100%; height:100%; border:1px solid black; position: absolute; top: 0; left: 0; z-index: 1;></div>
17     <div style='position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); z-index: 2;>
18         <h1>Data Mahasiswa</h1>
19         <table border='1' style='width: 100%; border-collapse: collapse; text-align: center; font-size: 14px;'>
20             <thead>
21                 <tr>
22                     <th>No</th>
23                     <th>Nama</th>
24                     <th>NIM</th>
25                     <th>Kelas</th>
26                 </tr>
27             </thead>
28             <tbody>
29                 <tr>
30                     <td>1</td>
31                     <td>Andi Saputra</td>
32                     <td>20111101001</td>
33                     <td>TI 1A</td>
34                 </tr>
35             </tbody>
36         </table>
37     </div>
38 </body>
39 </html>";
40 ob_end_clean();
41 echo $output;
42
43 if($id == "select") {
44     $sql = "SELECT * FROM tsr";
45     $query = mysqli_query($sql);
46     if(mysqli_num_rows($query) > 0) {
47         $row = mysqli_fetch_array($query);
48         echo $row['tsr'];
49     }
50 }
```

```
echo "terima kasih telah mengakses sistem informasi ini. Selamat belajar dan semoga berhasil dalam mencapai tujuan anda.">index.php
```

No.	Art	Kode	Nama
1	Demi	01	Programmer Basic Dev
2	Demi	02	Tata Kelola Teknologi
3	Demi	03	Analisis Data
4	Demi	04	Ruang Operasi
5	Demi	05	Programmer Web
6	Demi	06	Inovasi Teknologi

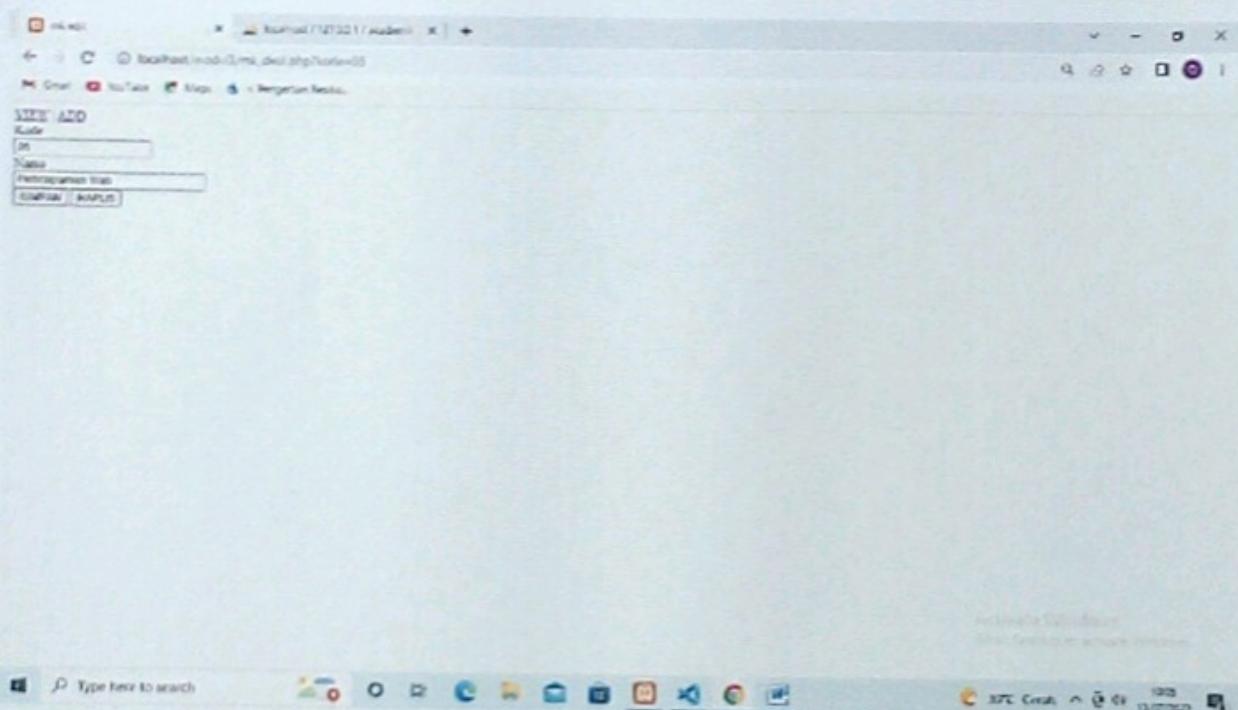


## Tampilan mk\_add.php

## Tampilan mk\_add.php

A screenshot of a Microsoft Edge browser window. The address bar shows the URL "localhost:127.0.0.1/academic". The main content area displays a form titled "Add New Contact". The form has three input fields: "Name" (containing "John"), "Email" (containing "john@example.com"), and "Phone Number" (containing "1234567890"). Below the fields is a "Save" button. The browser's toolbar includes back, forward, and search icons. The taskbar at the bottom shows other open applications like File Explorer, Task View, and a file manager.

## Tampilan mk\_detil.php



## Tampilan mk\_proc.php

```
1 <?php
2     include 'koneksi.php';
3     if($_POST['submit']=='add'){
4         $kode = $_POST['kode'];
5         $nama = $_POST['nama'];
6         $tgll = $_POST['tgll'];
7         $tgls = date('Y-m-d');
8         $query = "INSERT INTO tb_karyawan(kode,nama,tgl_lahir,tgl_satu) VALUES('$kode','$nama','$tgll','$tgls')";
9         $hasil = mysqli_query($konek,$query);
10        if($hasil){
11            header("location: mk.php");
12        }
13    }elseif($_POST['submit']=='edit'){
14        $kode = $_POST['kode'];
15        $nama = $_POST['nama'];
16        $tgll = $_POST['tgll'];
17        $tgls = date('Y-m-d');
18        $query = "UPDATE tb_karyawan SET nama='$nama', tgl_lahir='$tgll' WHERE kode='$kode'";
19        $hasil = mysqli_query($konek,$query);
20        if($hasil){
21            header("location: mk.php");
22        }
23    }elseif($_POST['submit']=='del'){
24        $kode = $_POST['kode'];
25        $tgll = $_POST['tgll'];
26        $tgls = date('Y-m-d');
27        $query = "DELETE FROM tb_karyawan WHERE kode='$kode' AND tgl_lahir='$tgll'";
28        $hasil = mysqli_query($konek,$query);
29        if($hasil){
30            header("location: mk.php");
31        }
32    }
33    </?>
```

## Tampilan ta.php

```
1 <?php
2     include 'koneksi.php';
3     $sql = "SELECT * FROM tb_karyawan";
4     $hasil = mysqli_query($konek,$sql);
5     $data = mysqli_fetch_all($hasil);
6     $tbl_header = "
7         <table border='1'>
8             <thead>
9                 <tr>
10                    <th>ID</th>
11                    <th>Nama</th>
12                    <th>Tgl. Lahir</th>
13                    <th>Alamat</th>
14                </tr>
15            </thead>
16            <tbody>
17                <tr>
18                    <td>" . $data[0][0] . "</td>
19                    <td>" . $data[0][1] . "</td>
20                    <td>" . $data[0][2] . "</td>
21                    <td>" . $data[0][3] . "</td>
22                </tr>
23            </tbody>
24        </table>
25    ";
26    echo $tbl_header;
27    $sql1 = "SELECT * FROM tb_karyawan";
28    $hasil1 = mysqli_query($konek,$sql1);
29    if($hasil1->num_rows > 0){
30        $i = 0;
31        while($data1 = mysqli_fetch_assoc($hasil1)){
32            $tbl .= "
33                <tr>
34                    <td>" . $data1['id'] . "</td>
35                    <td>" . $data1['nama'] . "</td>
36                    <td>" . $data1['tgll'] . "</td>
37                    <td>" . $data1['tgls'] . "</td>
38                </tr>
39            ";
40        }
41    }
42    echo $tbl;
43    </?>
```

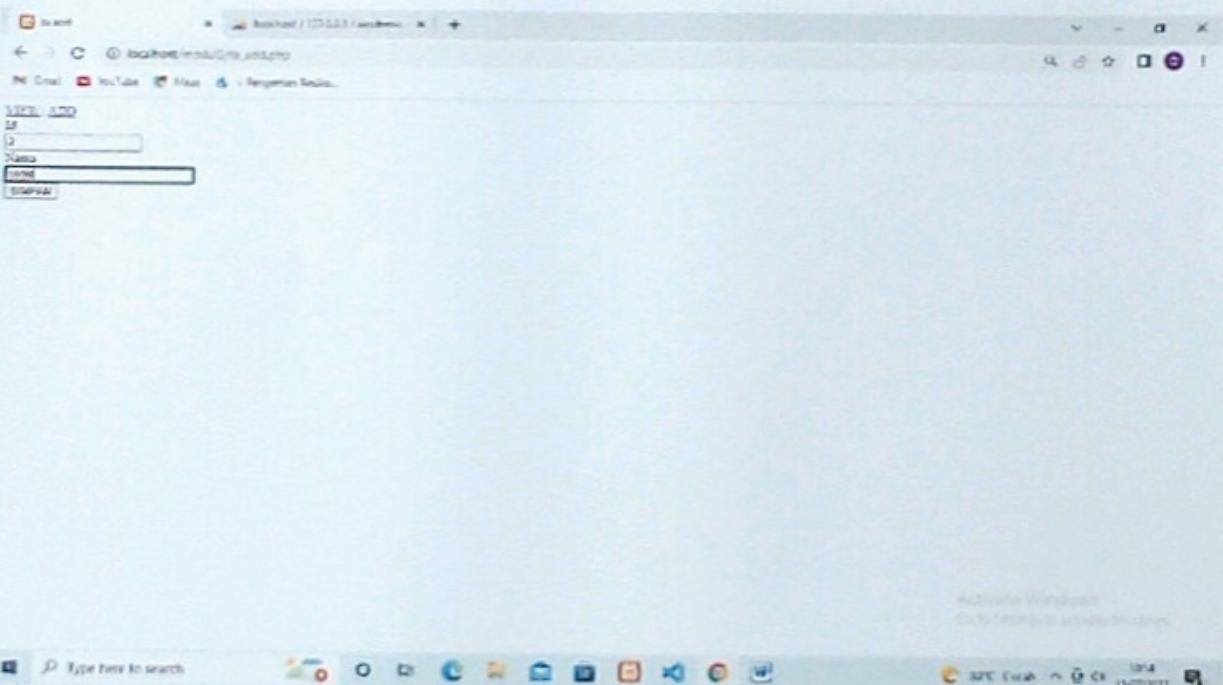
```
PS C:\Windows\system32> echo > test.txt  
PS C:\Windows\system32> cat test.txt  
Hello World!  
PS C:\Windows\system32> rm test.txt  
PS C:\Windows\system32>
```

No.	Art	M	Tahun
1	✓	20	2020
2	✓	18	2018
3	✓	18	2018
4	✓	23	2021

## Tampilan ta\_add.php

A screenshot of a Windows desktop environment. At the top, there is a taskbar with several pinned icons. Below the taskbar, the desktop background is visible. In the upper half of the screen, there are two open windows:

- Visual Studio Code:** A code editor window titled "ta\_add.php" which contains PHP code. The code includes an include statement for "ta\_header.php", a form with fields for name, address, and phone, and a submit button.
- Microsoft Edge Browser:** A browser window showing the URL "localhost/modul/ta\_add.php". The page displays a form with fields for Name, Address, and Phone, and a Submit button.



## Tampilan ta\_detil.php

```
File Edit Selection View Go Run Terminal Help
File Explorer View Taskbar View Studio Code
D:\xampp\htdocs\index.php
1 <?php
2 include "header.php";
3 $id = $_GET['id'];
4 $sql = "SELECT * FROM users WHERE id=$id";
5 $res = mysqli_query($sql);
6 $row = mysqli_fetch_assoc();
7
8 <div>
9 <div>
10 <div>
11 <div>Edit /</div>
12 <div>
13 <div>
14 <div> <input type="text" name="name" id="name" value="John Doe"></div>
15 <div>Name:<br>
16 <div> <input type="text" name="email" id="email" style="width:100px;" value="John.Doe@xyz.com"></div>
17 <div>Email:<br>
18 <div> <input type="text" name="password" id="password" value="1234567890" style="width:100px;"></div>
19 <div>Password:<br>
20 <div> <input type="submit" name="submit" value="Submit" style="width:100px;"></div>
21 <div> <input type="button" name="cancel" value="Cancel" style="width:100px;"></div>
22 </div>
23 </div>
24 </div>
25 </div>
26
```

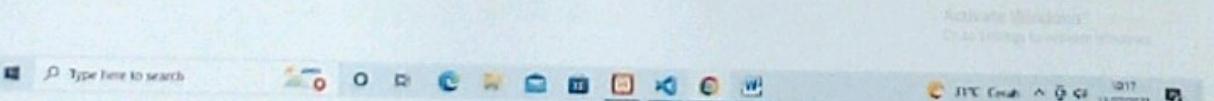
**VISIOM ADD**

ID:

Nama:

Tanggal:

**SIMPAN** **PAPUZ**



## Tampilan ta\_proc.php

The screenshot shows a Microsoft Visual Studio Code interface with a dark theme. The left sidebar displays a tree view of files under a 'MODULE' folder, including 'ta\_proccate.php'. The main editor area contains the following PHP code:

```
1 //ta_proccate
2 include "ta_main.php";
3 if(isset($_POST["submit_ta"])){
4     $ta = $_POST["ta"];
5     $name = $_POST["name"];
6     $sql = "UPDATE ta SET ta =
7         '$ta', name =
8         '$name', date =
9         '$date', status =
10        '$status' WHERE id=$id";
11     if(mysqli_query($link,$sql)){
12         echo "Edit TA Success";
13     }else{
14         echo "Edit TA Failed";
15     }
16 }
17 if(isset($_POST["submit_ta_update"])){
18     $ta = $_POST["ta"];
19     $name = $_POST["name"];
20     $sql = "UPDATE ta SET ta =
21         '$ta', name =
22         '$name' WHERE id=$id";
23     if(mysqli_query($link,$sql)){
24         echo "Edit TA Success";
25     }else{
26         echo "Edit TA Failed";
27     }
28 }
```

## BAB IV

### KESIMPULAN

Jadi kesimpulannya yaitu Mysql API digunakan untuk berkomunikasi dg database Mysql melalui php.

Sintak yang digunakan untuk menampilkan, menambah, mengedit dan menghapus data pada data mahasiswa dapat di implementasikan untuk tabel lain dengan sedikit merubah sintaks mengikuti data yang diinginkan.

Koneksi hanya dibuat sekali dan di includekan pada yang lainnya.

Dan bertujuan Mahasiswa mampu menjelaskan prinsip koneksi php dan MySQL, dapat membuat program untuk mengakses database MySQL dengan menggunakan PHP, dapat membuat program CRUD sederhana.