

**LAPORAN PRAKTIKUM
PEMROGRAMAN WEB**

SEMESTER GENAP TAHUN AKADEMIK 2021/2022



Disusun oleh :

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NIM : 2013030014

Prodi : Sistem Informasi

**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:

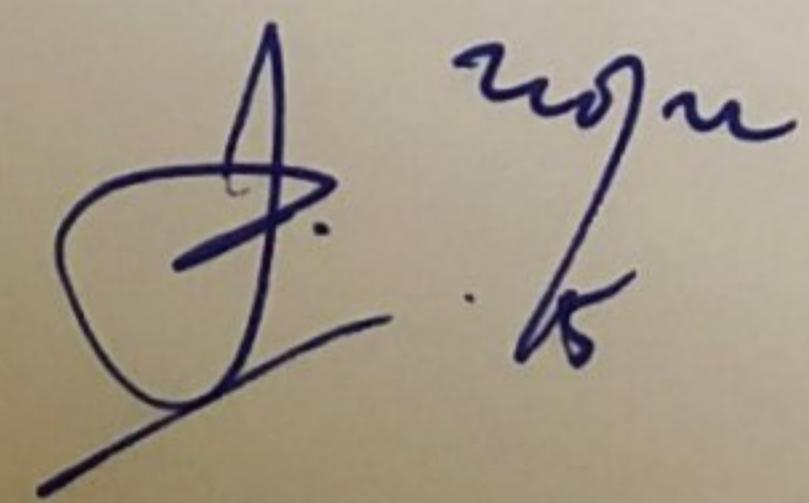
Nama : Fina Dhiannisa
NIM : 2013030014
Kelas : 2B
Prodi : Sistem Informasi

Telah menyelesaikan seluruh kegiatan praktikum
dan berhak untuk mengikuti

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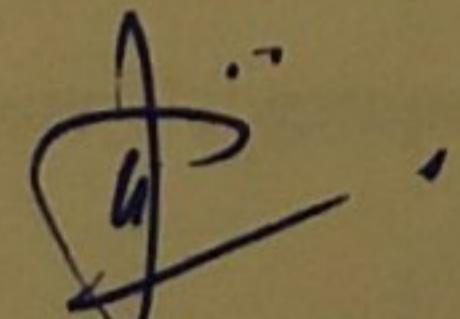
Praktikum Pemrograman Web

27/22



Kediri,

Dosen Pengampu,



Teguh Andriyanto, ST, M.Cs

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

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

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Prodi : Sistem Informasi

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UJIAN AKHIR SEMESTER

Praktikum Pemrograman Web

Kediri,
Dosen Pengampu,

Teguh Andriyanto, ST, M.Cs

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

No.	Tgl	Materi Praktikum	TTD Dosen/Asisten
1.		PHP Dasar	
2.		OOP (Object Oriented Programming)	
3.		PHP dan Database	
4.			
5.			
6.			
7.			
8.			
9.			
10.			

PRAKTIKUM
PEMROGRAMAN WEB
SEMESTER GENAP TAHUN AKADEMIK 2021/2022

Tanggal

.....30 Mei 2022.....

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 ini:

1. Membuat koneksi ke server database dan menentukan database yang akan digunakan
2. Membuat SQL (Structure Query Language)
3. Melakukan proses query
4. Mengumpulkan hasil query ke dalam sebuah variabel untuk diambil/diproses

MySQLi

MySQLi merupakan peningkatan 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
- Menggunakan penggunaan transaction
- Meningkatkan kemampuan pencarian kesalahan program (debugging)
- Mendukung penggabungan server

Daftar API MySQLi yang umum dipakai sebagai berikut

1. mysqli → query
2. \$mysqli_result → fetch_array
3. \$mysqli_result → num_rows
4. \$mysqli → error

Koneksi Database

```
<?php  
$hostname = "localhost"; $username = "root"; $password = ""; $database =  
"akademik"  
$koneksi = new mysqli($hostname, $username, $password, $database)  
echo "Koneksi Server Database Berhasil";  
?>
```

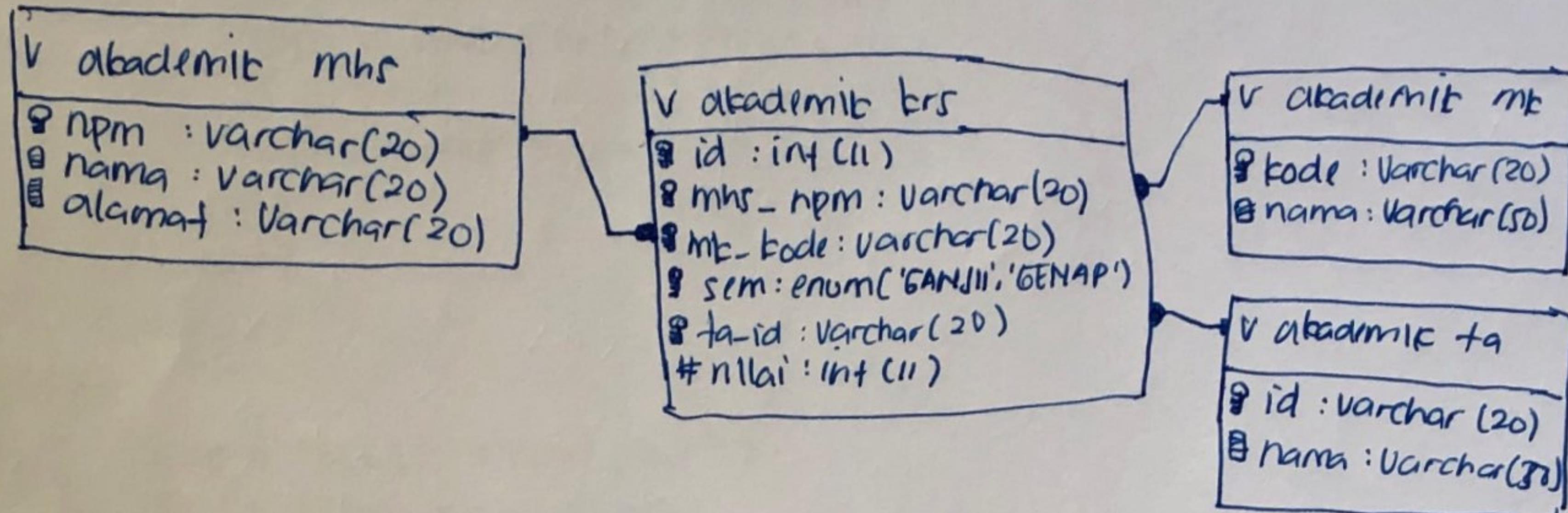
BAB II

PERCOBAAN DAN LATIHAN

PERCOBAAN

Buatlah database dengan nama akademit

Buatlah tabel database dengan nama mhs, krs, mk, dan ta



Buat koneksi PHP dengan nama koneksi.php

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = " ";  
$dbname = "akademit";  
  
// Create connection  
$conn = new mysqli($servername, $username, $password, $dbname);  
// Check connection  
if ($conn->connect_error)  
    die ("Connection failed: ". $conn->connect_error);  
?  
?>
```

Buat file untuk menampilkan data, beri nama menu.php

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

Buat file untuk menampilkan data, beri 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%"> 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()) {
            $i++;
            echo "<tr>
                <td> $i </td>
                <td> " . $dat["npm"] . "
                <td> " . $dat["nama"] . "
                <td> " . $dat["alamat"] . "
            </tr>";
        }
    }
    >>>
    <tbody>
</table>
</body>
</html>

```

Buatlah file untuk 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>

```

Buat file untuk 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 = "<?= $dat['nama'] ?>">
    <br>Alamat
    <br><input type = "text" name = "alamat" id = "alamat" size = "50" value = "<?= $dat['alamat'] ?>">
</form>

```

```

<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>

```

Buat file untuk 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");
}

```

77

LATIHAN

KRS.php

```
<?php
include 'koneksi.php';
include 'index.php';
?>
<!DOCTYPE html>
<html>
<head>
<title>KRS </title>
</head>
<body>
    <h2 align="center">KRS</h2>
    <a href="krs.php">LIHAT </a> | <a href="krs-add.php"> TAMBAH</a>
    <table width="100%" border="1">
        <thead>
            <tr>
                <th width="2%">No.</th>
                <th width="5%">Act</th>
                <th width="5%">ID</th>
                <th width="15%">mhs-npm</th>
                <th width="5%">mk-kode</th>
                <th width="5%">sem</th>
                <th width="5%">ta-id</th>
                <th width="5%">nilai</th>
            </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><a href='krs-detail.php?id=". $dat['id']."'>Edit </a></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>
```

Krs-add.php

```
<?php
include "koneksi.php";
?>
<!DOCTYPE html>
<html>
<head>
<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 ($row = $res->fetch_array(MYSQLI_BOTH)) {
                echo "<option value = '". $row['npm']. "'> ". "-". $row['nama'];
            }
        ?>
    </select><br>
    MK-kode<br>
    <select name = "mk-kode">
        <?php
            $sql = "SELECT * from mk";
            $res = $conn->query($sql);
            while ($row = $res->fetch_array(MYSQLI_BOTH)) {
                echo "<option value = '". $row['kode']. "'> ". $row['nama'];
            }
        ?>
    </select><br>
    Sem<br>
    <input type = "text" name="sem"><br>
    ta-id<br>
    <select name = "ta-id">
        <?php
            $sql = "SELECT * FROM ta";
            $res = $conn->query($sql);
            while ($row = $res->fetch_array(MYSQLI_BOTH)) {
                echo "<option value = '". $row['id']. "'> ". $row['nama'];
            }
        ?>
    </select><br>
    nilai<br>
    <input type = "text" name="nilai"><br>
    <input type = "submit" name = "krs-add" value = "SIMPAN">
</form>
</body>
</html>
```

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 MHS 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");
    }
}
?>
```

Krs_detail.php

```
<?php
include "koneksi.php";

$id = $_GET['id'];
$sql = "SELECT * FROM krs WHERE id= '$id'";
$res = $conn->query($sql);
$rowr = $sql->fetch_array(MYSQLI_BOTH);
?>

<!DOCTYPE html>
<html>
<head>
    <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">
    <p><br>
    <input type="text" name="id" value="<?php echo $rowr['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'] == $rowr['mhs-npm']) {
                    $select = 'selected="selected"';
                } else {
                    $select = '';
                }
                echo "<option value=". $mhs['id']. "$select>". $mhs['npm']. "-".
                    $mhs['nama']. "</option>";
            }
        <?
    </select><br>
    MK-kode <br>
    <select name="mk-kode">
        <?php
            $sql = "SELECT * FROM mk";
            $res = $conn->query($sql);
            while ($mk = $res->fetch_array(MYSQLI_BOTH)) {
                if ($mk['kode'] == $rowr['mk-kode']) {
                    $select = 'selected="selected"';
                } else {
                    $select = '';
                }
                echo "<option value=". $mk['id']. "$select>". $mk['kode']. "-".
                    $mk['nama']. "</option>";
            }
        <?
    </select><br>
    Sem <br>
    <input type="text" name="sem" value="<?php echo $rowr['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'] == $rowr['ta-id']) {
                    $select = 'selected="selected"';
                }
            }
        <?
    </select>
```

```

        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 = "PERBARUI">
    <input type = "submit" name = "krs-delete" value = "HAPUS" onclick
    = "return confirm ('Yakin Menghapus Data Ini?')">
</form>
</body>
</html>

```

MK.php

```

<?php
include 'koneksi.php';
?>
<!DOCTYPE html>
<html>
<head>
<title> Mata Kuliah </title>
</head>
<body>
    <h2 align = "center" > Mata Kuliah </h2>
    <a href = "mk.php" > LIHA + </a> | <a href = "mk-add.php" > TAMBAH </a>
    <table width = "100%" border = "1" style="width: 100%; border-collapse: collapse;">
        <thead>
            <tr>
                <th width = '2%'> No. </th>
                <th width = '15%'> Akt. </th>
                <th width = '15%'> Kode </th>
                <th width = '20%'> 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> $i </td>
                            <td> <a href = 'mk-detail.php?kode = ". $dat['kode']. "'> Edit </a> </td>
                            <td> ". $dat["kode"]. " </td>
                            <td> ". $dat["nama"]. " </td>
                        ";
                    }
                }
            </?php
        </tbody>
    </table>
</body>
</html>

```

```
</tr>";  
}  
}  
?  
</tbody>  
</table>  
</body>  
</html>
```

Mk-add.php

```
<!DOCTYPE html>  
<html>  
<head>  
<tittle> Mata Kuliah </tittle>  
</head>  
<body>  
    <h2> Mata Kuliah Add </h2>  
    <a href = "mk.php" > LIHAT </a> | <a href = "mk-add.php" > TAMBAH </a>  
<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 = "mk-add" , id = "mk-add" value = "SIMPAN" >  
</form>  
</body>  
</html>
```

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");
    }
}
?>
```

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();
?>
<!DOCTYPE html>
<html>
<head>
<title> Mata Kuliah </title>
</head>
<body>
    <h2> Mata Kuliah Edit </h2>
    <a href = "mk.php">LIHAT </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" 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 = "PERBARUI">
        <input type = "submit" name = "mk-delete" id = "mk-delete" value = "HAPUS">
    </form>
</body>
</html>
```

Ta.php

```
<?php
include 'koneksi.php';
?>
<!DOCTYPE html>
<html>
<head>
<tittle> Tahun Akademik </tittle>
</head>
<body>
    <h2 align = "center"> Tahun Akademik </h2>
    <a href = "ta.php"> LIHAT </a> | <a href = "ta-add.php"> TAMBAHKAN </a>
    <table width = '100 %' border = '1'>
        <thead>
            <tr>
                <th width = '2 %'> No. </th>
                <th width = '5 %'> Akt </th>
                <th width = '15 %'> ID </th>
                <th width = '20 %'> nama </th>
            </tr>
        </thead>
        <tbody>
            <?php
                $sql = "SELECT * FROM ta";
                $res = $conn -> query($sql);
                if ($res -> num_rows > 0) {
                    $i = 0;
                    while ($dat = $res -> fetch_assoc()) {
                        $itt;
                        echo "<tr align = 'center'>
                            <td> $i </td>
                            <td> <a href = \"ta-detail.php?id=". $dat['id']. "\"> Edit </a> </td>
                            <td> ". $dat["id"]. " </td>
                            <td> ". $dat["nama"]. " </td>
                        </tr>";
                    }
                }
            </tbody>
        </table>
    </body>
</html>
```

Ta-add.php

```
<!DOCTYPE HTML>
<html>
<head>
<title> Tahun Akademik Add </title>
</head>
<body>
<br> <a href = "ta.php" > LIHAT </a> | <a href = "ta-add.php" > TAMBAH </a>
<br> <form name = "myform" action = "ta-proc.php" method = "post" >
    <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" id = "ta-add" value = "SIMPAN" >
</form>
</body>
</html>
```

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 Mahasiswa 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");
    }
}
?>

```

ta-detail.php

```

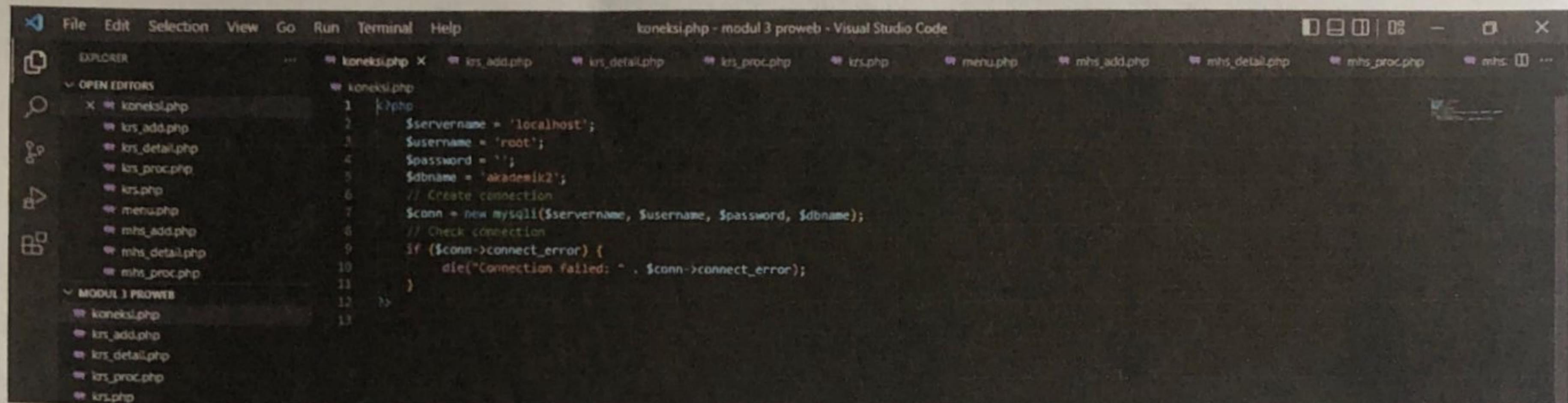
?>php
include 'koneksi.php';
$id = $_GET ['id'];
$sql = "SELECT * FROM ta WHERE id=' $id'";
$res = $conn->query ($sql);
$dat = $res->fetch_assoc();
?>
<!DOCTYPE html>
<html>
<head>
<title>TA Edit</title>
</head>
<body>
<a href="ta.php">LIHAT</a> | <a href="ta-add.php">TAMBAH</a>
<br>
<form name="myform"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

```

BAB III

TAMPILAN PROGRAM

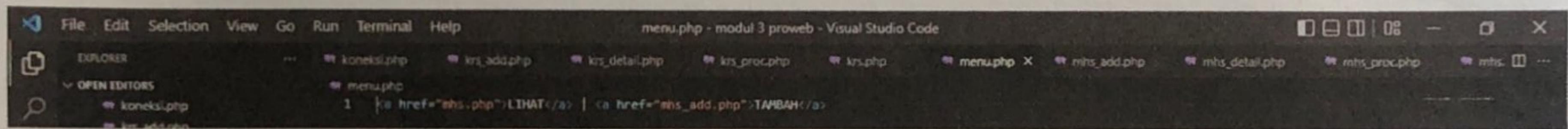
Koneksi.php



```
File Edit Selection View Go Run Terminal Help
koneksi.php - modul 3 proweb - Visual Studio Code
EXPLORER OPEN EDITORS MODUL 3 PROWEB
koneksi.php
krs_add.php
krs_detail.php
krs_proc.php
krs.php
menu.php
mhs_add.php
mhs_detail.php
mhs_proc.php
mhs.php
krs_add.php
krs_detail.php
krs_proc.php
krs.php
menu.php
```

```
1 <?php
2 $servername = "localhost";
3 $username = "root";
4 $password = "";
5 $dbname = "akademik2";
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 ?>
```

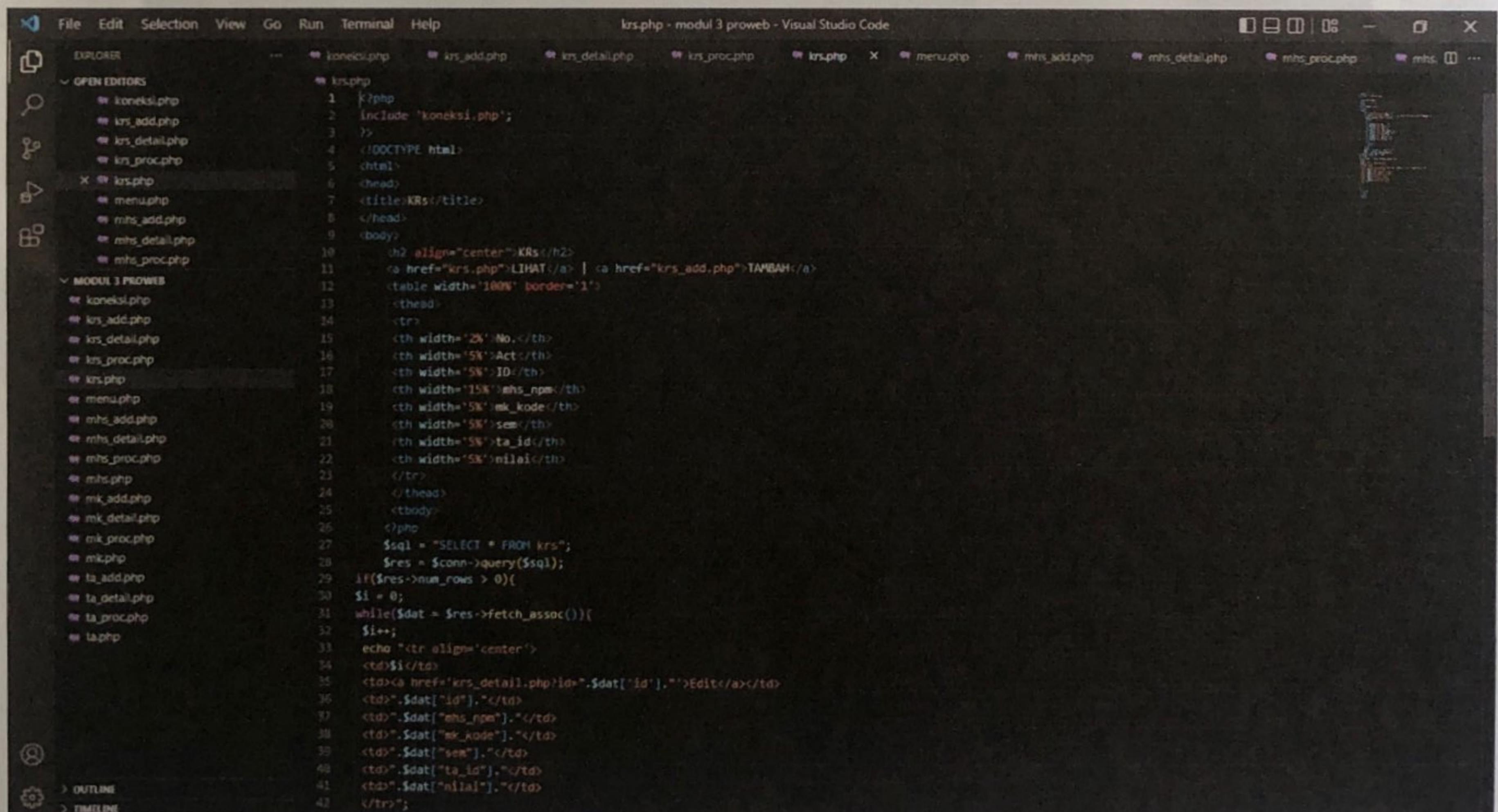
Menu



```
File Edit Selection View Go Run Terminal Help
menu.php - modul 3 proweb - Visual Studio Code
EXPLORER OPEN EDITORS
koneksi.php
menu.php
```

```
1 <a href="mhs.php">LIHAT</a> | <a href="mhs_add.php">TAMBAH</a>
```

Krs



```
File Edit Selection View Go Run Terminal Help
krs.php - modul 3 proweb - Visual Studio Code
EXPLORER OPEN EDITORS MODUL 3 PROWEB
koneksi.php
krs_add.php
krs_detail.php
krs_proc.php
krs.php
menu.php
mhs_add.php
mhs_detail.php
mhs_proc.php
mhs.php
mik_add.php
mik_detail.php
mik_proc.php
mik.php
ta_add.php
ta_detail.php
ta_proc.php
ta.php
krs.php
krs_detail.php
krs_proc.php
menu.php
mhs_add.php
mhs_detail.php
mhs_proc.php
mhs.php
mik_add.php
mik_detail.php
mik_proc.php
mik.php
ta_add.php
ta_detail.php
ta_proc.php
ta.php
```

```
<?php
include 'koneksi.php';
?>
<!DOCTYPE html>
<html>
<head>
<title>KRS</title>
</head>
<body>
<h2 align="center">KRS</h2>
<table width="100%" border="1">
<thead>
<tr>
 <b>No.</b> | <b>Act</b> | <b>ID</b> | <b>mhs_npm</b> | <b>m_kode</b> | <b>sem</b> | <b>ta_id</b> | <b>nilai</b> |
```

```
    => koneksi.php      43  }
    => krs_add.php      44  }
    => krs_detail.php   45  }
    => krs_proc.php     46  </tbody>
    => krs.php          47  </table>
    => menu.php         48  </body>
    => mhs_add.php      49  </html>
```

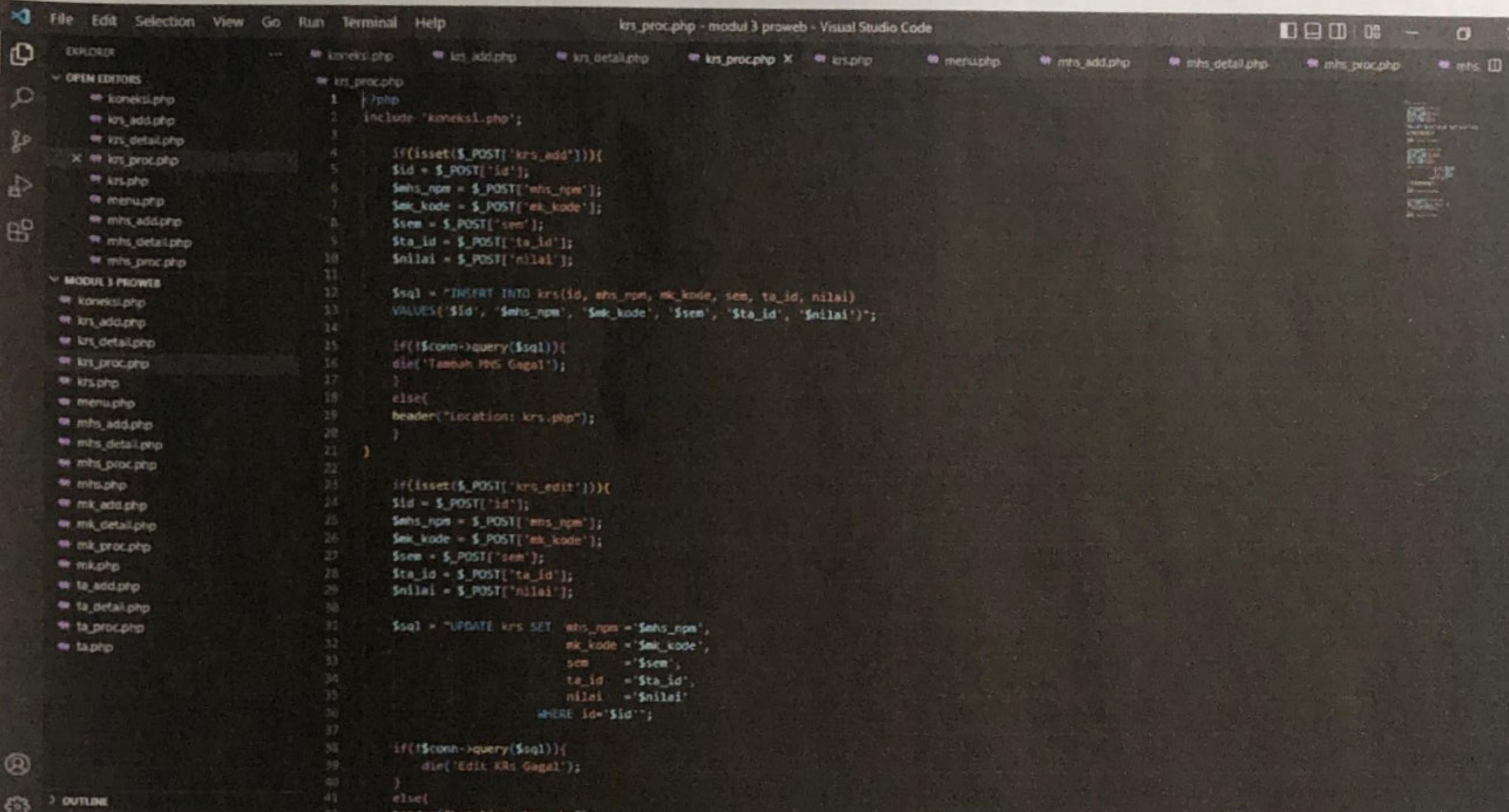
Krs_add

```
File Edit Selection View Go Run Terminal Help krs.add.php - modul 3 pweb - Visual Studio Code

EXPLORER
OPEN EDITORS
MODUL 3 PWEB
    < koneksi.php
    < krs_add.php
    < krs_detail.php
    < krs_proc.php
    < krs.php
    < menu.php
    < mhs_add.php
    < mhs_detail.php
    < mhs_proc.php
    < MODUL 3 PWEB
        < koneksi.php
        < krs_add.php
        < krs_detail.php
        < krs_proc.php
        < krs.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
    < OUTLINE
    < TIMELINE

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

Krs_proc



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_procp.php - modul 3 proweb > Visual Studio Code
- Left Sidebar (EXPLORER):**
 - OPEN EDITORS:
 - koneksi.php
 - krs_procp.php
 - krs.php
 - menu.php
 - mhs_add.php
 - mhs_detail.php
 - mhs_procp.php
 - MODUL 3 PROWEB:
 - koneksi.php
 - krs_add.php
 - krs_detail.php
 - krs_procp.php
 - krs.php
 - menu.php
 - mhs_add.php
 - mhs_detail.php
 - mhs_procp.php
 - mhs.php
 - mk_add.php
 - mk_detail.php
 - mk_procp.php
 - mk.php
 - ta_add.php
 - ta_detail.php
 - ta_procp.php
 - ta.php
- Central Area:** Code editor showing PHP code for managing student grades (KRS). The code includes functions for adding new grades and editing existing ones, utilizing variables like \$id, \$mhs_npm, \$mk_kode, \$sem, \$ta_id, and \$nilai, and SQL queries for inserting and updating data in the 'krs' table.
- Right Sidebar:** Includes tabs for 'PROBLEMS', 'WORKSPACE', 'OUTPUT', and 'RECENT FILES'.

```
    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");
    }
}

```

Krs_detail

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

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** krs_detail.php - modul 3 proweb - Visual Studio Code.
- Sidebar (EXPLORE):** Shows a tree view of files under "OPEN EDITORS" and "MODUL 3 PROWEB".
- Main Area:** The "krs_detail.php" file is open in the editor, displaying PHP code for displaying student details.

```
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 <br>
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($seths = $res->fetch_array(MYSQLI_BOTH)){
29                 if($seths['npm'] == $row['mhs_npm']){
30                     echo "<option value=" . $seths['npm'] . " selected>" . $seths['npm'] . "</option>";
31                 } else {
32                     echo "<option value=" . $seths['npm'] . ">" . $seths['npm'] . "</option>";
33                 }
34             }
35         </?php
36     </select>
37     <br>
38     Nama:<br>
39     <input type="text" name="nama" value="<?php echo $row['nama']; ?>">
40     <br>
41     <input type="submit" value="Simpan" />
42 </form>
```

```

    #!/usr/bin/env php
    koneksi.php
    krs_add.php
    krs_detail.php
    krs_proc.php
    krs.php
    menu.php
    mhs_add.php
    mhs_detail.php
    mhs_proc.php
    MODUL 1 PROWEB
    koneksi.php
    krs_add.php
    krs_detail.php
    krs_proc.php
    krs.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
    41         if($mk['kode']==$row['mk_kode']){
    42             $select = "selected='selected'";
    43         } else {
    44             $select = '';
    45         }
    46         echo "<option value='".$mk['id']."' $select">$mk['kode']." - ".$mk['nama']."</option>";
    47     }
    48     <br>
    49     </select><br>
    50     sem<br>
    51     <input type="text" name="sem" value=<?php $row['sem']?>><br>
    52     ta_id<br>
    53     <select name="ta_id">
    54         </p>
    55         $sql = "SELECT * FROM ta";
    56         $res = $conn->query($sql);
    57         while($sta = $res->fetch_array(MYSQLI_BOTH)){
    58             if($sta['id']==$row['ta_id']){
    59                 $select = "selected='selected'";
    60             } else {
    61                 $select = '';
    62             }
    63             echo "<option value='".$sta['id']."' $select">$sta['id']. " - ".$sta['nama']."</option>";
    64         }
    65     </p>
    66     </select><br>
    67     nilai<br>
    68     <input type="text" name="nilai" value=<?php $row['nilai']?>><br>
    69
    70     <input type="submit" name="krs_edit" value="PERBAHARUI">
    71     <input type="submit" name="krs_delete" value="HAPUS" onclick="return confirm('Yakin Menghapus Data Ini?')">
    72 </form>
    73 </body>
    74 </html>

```

Tampilan table Krs

No.	Act	ID	mhs_npm	mk_kode	sem	ta_id	nilai
1	Edit	1	2013030014	001	GENAP	20	100
2	Edit	2	2013030071	002	GANJIL	20	95
3	Edit	3	2013030072	001	GANJIL	20	85
4	Edit	4	2013030064	003	GENAP	20	90

Tampilan form Add Krs

Lihat | Tambah

ID

mhs_npm

mk_kode

sem

ta_id

nilai

SIMPAN

Tampilan form Edit dan Delete

KRS Edit

LIHAT | TAMBAH

ID
1

mhs_npm
2013030014 - Fina Dhiannisa

mk_kode
002 - PEMROGRAMAN WEB

sem
GENAP

ta_id
20 - 2020

nilai
100

PERBAHARUI HAPUS

Tampilan setelah di Edit dan Delete

KRS

LIHAT | TAMBAH

No.	Act	ID	mhs_npm	mk_kode	sem	ta_id	nilai
1	Edit	2	2013030071	002	GANJIL	20	95
2	Edit	3	2013030072	001	GANJIL	20	85
3	Edit	4	2013030064	003	GENAP	20	90

Mk

mk.php - modul 3 proweb - Visual Studio Code

```
<?php
include 'koneksi.php';
</?>
<!DOCTYPE html>
<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="25%">No.</th>
<th width="25%">Act</th>
<th width="15%">Kode</th>
<th width="25%">Nama</th>
</tr>
</thead>
<tbody>
<?php
$sql = "SELECT * FROM mk";
$res = $conn->query($sql);
if($res->num_rows > 0){
$si = 0;
while($dat = $res->fetch_assoc()){
$si++;
echo "<tr align='center'>
<td><a href='mk_detail.php?kode='".$dat['kode']."'>Edit</a></td>
<td>$dat['kode']</td>
<td>$dat['nama']</td>
</tr>";
}
}
</tbody>
</table>
</body>
</html>
```

Mk_add

mk_add.php - modul 3 proweb - Visual Studio Code

```
<?php
<!DOCTYPE html>
<html>
<head>
<title>Mata Kuliah</title>
</head>
<body>
<h2>Mata Kuliah add</h2>
<a href="mk.php">LIHAT</a> | <a href="mk_add.php">TAMBAH</a>
<br>
<form name="myform" action="mk_proc.php" method="POST">
<table border="1">
<tr>
<td>Kode</td>
<td><input type="text" name="kode" id="kode"></td>
</tr>
<tr>
<td>Nama</td>
<td><input type="text" name="nama" id="nama" size="30"></td>
</tr>
<tr>
<td colspan="2" style="text-align: center;"><input type="submit" name="mk_add" id="mk_add" value="SIMPAN"></td>
</tr>
</table>
</form>
</body>
</html>
```

Mk_proc

The screenshot shows a Visual Studio Code interface with a dark theme. The left sidebar displays a file tree with several PHP files under 'OPEN EDITORS' and 'MODUL 3 PROWEB'. The main editor area contains the following PHP code:

```
<?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 MK 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 MK 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");
}
}
}
}

```

Mk_detail

File Edit Selection View Go Run Terminal Help mk_detail.php - modul 3 proweb - Visual Studio Code

EXPLORER OPEN EDITORS

menu.php mhs_add.php mhs_detail.php mhs_proc.php mhs.php mtk_add.php mtk_detail.php x mtk_proc.php mtk.php ta_add.php

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 <body>
14 <h2>Mata Kuliah Edit</h2>
15 <a href="mk.php">LIHAT</a> | <a href="mk_add.php">TAMBAH</a>
16 <br>
17 <form name="myForm" action="mk_proc.php" method="POST">
18 Kode
19 <br>
20 <input type="text" name="kode" id="kode" value=<?php echo $dat['kode']?>>
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="mk_edit" id="mk_edit" value="PERBAHKUI">
26 <input type="submit" name="mk_delete" id="mk_delete" value="HAPUS">
27 </form>
28 </body>
29 </html>
```

OUTLINE TIMELINE

Table Mata Kuliah

A screenshot of a web browser window titled "Mata Kuliah". The URL is "localhost/modul%203%20proweb/mk.php". The page displays a table titled "Mata Kuliah" with the following data:

No.	Act	Kode	Nama
1	Edit	001	PEMROGRAMAN BASIS DATA
2	Edit	002	PEMROGRAMAN WEB
3	Edit	003	RISET OPERASI
4	Edit	004	PRAKTIKUM BASIS DATA
5	Edit	005	PRAKTIKUM PEMROGRAMAN WEB

Form Add data Mata Kuliah

A screenshot of a web browser window titled "Mata Kuliah". The URL is "localhost/modul%203%20proweb/mk_add.php". The page displays a form titled "Mata Kuliah Add" with the following fields:

LIHAT | TAMBAH
Kode
Nama
SIMPAN

Form Edit dan Delete

A screenshot of a web browser window titled "Mata Kuliah". The URL is "localhost/modul%203%20proweb/mk_detail.php?kode=001". The page displays a form titled "Mata Kuliah Edit" with the following fields:

LIHAT | TAMBAH
Kode
001
Nama
PEMROGRAMAN BASIS DATA
PERBAHARUI HAPUS

Tampilan setelah Edit dan Delete

A screenshot of a web browser window titled "Mata Kuliah". The URL is "localhost/modul%203%20proweb/mk.php". The page displays a table titled "Mata Kuliah" with the following data:

No.	Act	Kode	Nama
1	Edit	002	PEMROGRAMAN WEB
2	Edit	003	RISET OPERASI
3	Edit	004	PRAKTIKUM BASIS DATA
4	Edit	005	PRAKTIKUM PEMROGRAMAN WEB

Mhs

File Edit Selection View Go Run Terminal Help mhs.php - modul 3 proweb - Visual Studio Code

EXPLORE

OPEN EDITORS

mhs.php

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

OUTLINE

TIMELINE

Mhs_add

Mhs_detail

The screenshot shows the Visual Studio Code interface with the Mhs_detail.php file open. The code is a PHP script for displaying a student record. It includes an include statement for 'koneksi.php', a SQL query to select data from the 'mhs' table where npm matches the value of \$npm, and an HTML form for updating or deleting the record. The form contains fields for NPM, Name, and Address, along with submit buttons for 'SIMPAN' and 'HAPUS'.

```
<?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>
<br>
<input type="text" name="npm" id="npm" value="<?php echo $dat['npm'];?">>
<br>Nama
<br>
<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>
```

Mhs_proc

The screenshot shows the Visual Studio Code interface with the Mhs_proc.php file open. This is a PHP script that handles database operations. It includes logic for inserting new records, updating existing records, and deleting records based on user input from the Mhs_detail.php form. The script uses \$_POST variables to get values for NPM, Name, and Address, constructs SQL queries, and checks if the database connection is successful before performing the operations.

```
<?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");
    }
}
```

Table Mahasiswa

A screenshot of a web browser window titled "mhs" showing a table of student data. The table has columns for No., Act, NPM, Nama, and Alamat. The data is as follows:

No.	Act	NPM	Nama	Alamat
1	Edit	2013030014	Fina Dhiannisa	Nganjuk
2	Edit	2013030064	Candrika Arlita Dewi	Nganjuk
3	Edit	2013030069	Ardan Bagas Putra	Kediri
4	Edit	2013030071	Abdullah Kafa Bihi	Kediri
5	Edit	2013030072	Tutus Tricahya	Kediri

Form Add data Mahasiswa

A screenshot of a web browser window titled "mhs add" showing a form to add new student data. The form fields are: NPM (input field), Nama (input field), Alamat (input field), and SIMPAN (button). The URL is "localhost/modul%203%20proweb/mhs_add.php".

Form Edit dan Delete

A screenshot of a web browser window titled "mhs edit" showing a form for editing student data. The form fields are: NPM (input field with value "2013030014"), Nama (input field with value "Fina Dhiannisa"), Alamat (input field with value "Nganjuk"), and buttons for SIMPAN and HAPUS. The URL is "localhost/modul%203%20proweb/mhs_detail.php?npm=2013030014".

Tampilan setelah di Edit dan Delete

A screenshot of a web browser window titled "mhs" showing the updated table of student data. The table has columns for No., Act, NPM, Nama, and Alamat. The data is as follows:

No.	Act	NPM	Nama	Alamat
1	Edit	2013030014	Fina Dhiannisa	Nganjuk
2	Edit	2013030064	Candrika Arlita Dewi	Nganjuk
3	Edit	2013030071	Abdullah Kafa Bihi	Kediri
4	Edit	2013030072	Tutus Tricahya	Kediri

Ta

The screenshot shows the Visual Studio Code interface with the title bar "ta.php - modul 3 proweb - Visual Studio Code". The left sidebar shows an "EXPLORER" view with files like mhs.php, mk_add.php, mk_detail.php, mk_proc.php, mk.php, ta_add.php, ta_detail.php, ta_proc.php, and ta.php. The main editor area contains the following PHP code:

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

Ta_add

The screenshot shows the Visual Studio Code interface with the title bar "ta_add.php - modul 3 proweb - Visual Studio Code". The left sidebar shows an "EXPLORER" view with files like mhs.php, mk_add.php, mk_detail.php, mk_proc.php, mk.php, ta_add.php, ta_detail.php, ta_proc.php, and ta.php. The main editor area contains the following PHP code:

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

Ta_detail

```
File Edit Selection View Go Run Terminal Help ta_detail.php - modul 3 proweb - Visual Studio Code

EXPLORER      mks_pro.php  mks.php  mks_add.php  mks_detail.php  mks_proc.php  mks.php  ta_add.php  ta_detail.php  ta_proc.php  ta.php

OPEN EDITORS
  mks.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  ta_add.php
  X ta_detail.php
  ta_proc.php
  ta.php

MODUL 3 PROWEB
  koneksi.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  menu.php
  mks_detail.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  ta_add.php
  ta_detail.php
  ta_proc.php
  ta.php

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 <body>
14 <a href="ta.php">Lihat</a> | <a href="ta_add.php">Tambah</a>
15 <br>
16 <form name="myform" action="ta_proc.php" method="POST">
17 ID
18 <br>
19 <input type="text" name="id" id="id" value=<?php echo $dat['id']?>>
20 <br>Nama
21 <br>
22 <input type="text" name="nama" id="nama" size="30" value=<?php echo $dat['nama']?>>
23 <br>
24 <input type="submit" name="ta_edit" id="ta_edit" value="PERBAHKARU!">
25 <input type="submit" name="ta_delete" id="ta_delete" value="HAPUS">
26 </form>
27 </body>
28 </html>
```

Ta_proc

```
File Edit Selection View Go Run Terminal Help ta_proc.php - modul 3 proweb - Visual Studio Code

EXPLORER      mks_pro.php  mks.php  mks_add.php  mks_detail.php  mks_proc.php  mks.php  ta_add.php  ta_detail.php  ta_proc.php  ta.php

OPEN EDITORS
  mks.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  ta_add.php
  X ta_detail.php
  ta_proc.php
  ta.php

MODUL 3 PROWEB
  koneksi.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  menu.php
  mks_detail.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  mks_add.php
  mks_detail.php
  mks_proc.php
  mks.php
  ta_add.php
  ta_detail.php
  ta_proc.php
  ta.php

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($sql)){
10    die('Tambah MHS gagal');
11   }
12   else{
13    header("Location: ta.php");
14   }
15 }
16
17 if(isset($_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($sql)){
23    die('Edit MHS gagal');
24   }
25   else{
26    header("Location: ta.php");
27   }
28 }
29
30 if(isset($_POST['ta_delete'])){
31   $id = $_POST['id'];
32   $sql = "DELETE FROM ta WHERE id='$id'";
33   if(!$conn->query($sql)){
34    die('Hapus Mahasiswa gagal');
35   }
36   else{
37    header("Location: ta.php");
38   }
39 }
40 >>
```

Tampilan table Tahun Akademik

No.	Act	ID	Nama
1	Edit	18	2018
2	Edit	19	2019
3	Edit	20	2020
4	Edit	21	2021

Form Add data Tahun Akademik

LIHAT | TAMBAH

ID
Nama
SIMPAN

Form Edit dan Delete

LIHAT | TAMBAH

ID
18
Nama
2018
PERBAHARUI HAPUS

Tampilan setelah di Edit dan Delete

No.	Act	ID	Nama
1	Edit	19	2019
2	Edit	20	2020
3	Edit	21	2021

KESIMPULAN

MySQLi merupakan teknik pengaksesan terhadap database MySQL yang merupakan perkembangan terbaru

Pada praktikum ini membuat database akademik yang memiliki tabel mhs, mk, krs dan Tahun Akademik.

Dengan tujuan agar

1. Mahasiswa mampu menjelaskan prinsip koneksi PHP dan MySQL
2. Mahasiswa dapat membuat program untuk mengakses MySQL dengan menggunakan PHP
3. Mahasiswa dapat membuat program CRUD sederhana