

LAPORAN

Praktikum Pemrograman WEB




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1. Membuat Data Base

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
<input type="checkbox"/>	1	id 	int(10)			No	None		AUTO_I
<input type="checkbox"/>	2	nama	varchar(30)	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	3	nrp	int(10)			No	None		
<input type="checkbox"/>	4	umur	int(3)			No	None		
<input type="checkbox"/>	5	jenis_kelamin	varchar(10)	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	6	alamat	varchar(30)	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	7	jurusan	varchar(30)	utf8mb4_general_ci		No	None		
<input type="checkbox"/>	8	no_hp	int(20)			No	None		

2. Koneksi DataBase

```
<?php
$db = mysqli_connect("localhost", "root", "", "datasiswa");

if (!$db) {
    die("koneksi Gagal:" . mysqli_connect_error());
}
?>
```

3. Inserting Data

```
<?php
include 'connectPhpToDb.php';

$query = "INSERT INTO datasiswa (nama, nrp, umur, jenis_kelamin, alamat)
VALUES ('Arif', '10002', '19', 'Laki-Laki', 'Surabaya, Jawa timur)";

if (mysqli_query($db, $query)) {
    echo "Data berhasil ditambahkan!";
} else {
    echo "Error saat menambahkan: " . mysqli_error($db);
}

mysqli_close($db);
```

	id	nama	nrp	umur	jenis_kelamin	alamat	jurusan	no_hp
<input type="checkbox"/>	3	Arif	10002	19	Laki-Laki	Surabaya, Jawa timur		0

4. Selecting Data

```
<?php
include 'connectPhpToDb.php';

$query = "SELECT * FROM datasiswa";
$result = mysqli_query($db, $query);

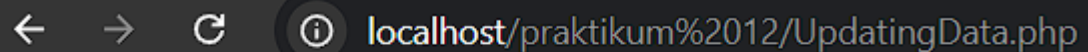
if (mysqli_num_rows($result) > 0) {
    while ($row = mysqli_fetch_assoc($result)) {
        echo "NRP : " . $row["nrp"] . "<br>";
        echo "Nama : " . $row["nama"] . "<br>";
        echo "Umur : " . $row["umur"] . "<br>";
        echo "Jenis Kelamin : " . $row["jenis_kelamin"] . "<br>";
        echo "Alamat : " . $row["alamat"] . "<br>";
    }
} else {
    echo "0 results";
}
mysqli_close($db);
```

NRP : 10002
Nama : Arif
Umur : 19
Jenis Kelamin : Laki-Laki
Alamat : Surabaya, Jawa timur

5. Updating Data

```
<?php
include 'connectPhpToDb.php';
$query = "UPDATE datasiswa SET umur='19' WHERE nrp='10002'";

if(mysqli_query($db, $query)) {
    echo "Data berhasil diupdate!";
} else {
    echo "Error saat mengupdate: " . mysqli_error($db);
}
mysqli_close($db);
```

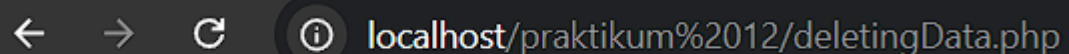
A screenshot of a web browser's address bar. It features navigation icons (back, forward, refresh) and an information icon on the left. The address bar text is "localhost/praktikum%2012/UpdatingData.php".

Data berhasil diupdate!

6. Deleting Data

```
<?php
include 'connectPhpToDb.php';

$query = "DELETE FROM datasiswa WHERE nrp='10002'";
if(mysqli_query($db, $query)) {
    echo "Data berhasil dihapus!";
} else {
    echo "Error saat menghapus: " . mysqli_error($db);
}
mysqli_close($db);
```

A screenshot of a web browser's address bar. It features navigation icons (back, forward, refresh) and an information icon on the left. The address bar text is "localhost/praktikum%2012/deletingData.php".

Data berhasil dihapus!

Praktikum

1. Connection

```
<?php
$db = mysqli_connect("localhost", "root", "", "praktikum12");

if (!$db) {
    die("koneksi Gagal:" . mysqli_connect_error());
}
?>
```

2. Index

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

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Aplikasi CRUD Mahasiswa</title>
    <style>
        body {
            font-family: Georgia, 'Times New Roman', Times, serif;
            margin: 2rem;
            background-color: #f4f4f4;
        }

        h2 {
            margin-bottom: 1rem;
        }

        form {
            display: flex;
            flex-wrap: wrap;
            gap: 10px;
            margin-bottom: 1rem;
        }

        input,
        button {
            padding: 6px 10px;
            font-size: 14px;
            border-radius: 4px;
            border: 1px solid #ccc;
        }
    </style>
</head>

<body>
```

```
button {
  background-color: #4CAF50;
  color: white;
  cursor: pointer;
}

button:hover {
  background-color: #45a049;
}

.table-container {
  overflow-x: auto;
  margin-bottom: 2rem;
}

table {
  width: 100%;
  min-width: 900px;
  border-collapse: collapse;
  background-color: white;
}

th,
td {
  padding: 10px;
  border: 1px solid #ccc;
  text-align: center;
}

th {
  background-color: #e0e0e0;
}

.aksi-table td {
  padding: 5px;
}

form.inline {
  display: flex;
  flex-wrap: wrap;
  gap: 5px;
  justify-content: center;
}

form.inline input {
  width: 90px;
  font-size: 13px;
}

td form.inline button {
  background-color: #2196F3;
}

td form.inline:last-child button {
```

```

        background-color: #f44336;
    }

    td form.inline button:hover {
        opacity: 0.9;
    }
</style>
</head>

<body>
<h2>Data Mahasiswa</h2>

<form action="insert.php" method="POST">
    <input type="text" name="nama" placeholder="Nama" required>
    <input type="text" name="nrp" placeholder="NRP" required>
    <input type="text" name="umur" placeholder="Umur" required>
    <input type="text" name="jenis_kelamin" placeholder="Jenis Kelamin"
required>
    <input type="text" name="alamat" placeholder="Alamat" required>
    <input type="text" name="jurusan" placeholder="Jurusan" required>
    <input type="text" name="no_hp" placeholder="Nomor HP" required>
    <button type="submit">Insert</button>
</form>

<!-- Tabel Data Mahasiswa -->
<div class="table-container">
    <table>
        <thead>
            <tr>
                <th>ID</th>
                <th>Nama</th>
                <th>NRP</th>
                <th>Umur</th>
                <th>Jenis Kelamin</th>
                <th>Alamat</th>
                <th>Jurusan</th>
                <th>No HP</th>
            </tr>
        </thead>
        <tbody>
            <?php
                $result = mysqli_query($db, "SELECT * FROM datasiswa");
                if (!$result) {
                    die("Query error: " . mysqli_error($db));
                }

                while ($row = mysqli_fetch_assoc($result)) :
                    ?>
                    <tr>
                        <td><?= $row['id'] ?></td>
                        <td><?= $row['nama'] ?></td>
                        <td><?= $row['nrp'] ?></td>
                        <td><?= $row['umur'] ?></td>
                        <td><?= $row['jenis_kelamin'] ?></td>
                        <td><?= $row['alamat'] ?></td>

```



```

        <td><?= $row['jurusan'] ?></td>
        <td><?= $row['no_hp'] ?></td>
    </tr>
    <?php endwhile; ?>
</tbody>
</table>
</div>

<!-- Tabel Aksi -->
<h2>Aksi Mahasiswa</h2>
<div class="table-container">
    <table class="aksi-table">
        <thead>
            <tr>
                <th>Update / Hapus</th>
            </tr>
        </thead>
        <tbody>
            <?php
            mysqli_data_seek($result, 0); // reset pointer ke awal
            while ($row = mysqli_fetch_assoc($result)) :
            ?>
                <tr>
                    <td>
                        <form action="update.php" method="POST" class="inline">
                            <input type="hidden" name="id" value="<?= $row['id']
?>">
                            <input type="text" name="nama" value="<?=
$row['nama'] ?>">
                            <input type="text" name="nrp" value="<?= $row['nrp']
?>">
                            <input type="text" name="umur" value="<?= $row['umur']
?>">
                            <input type="text" name="jenis_kelamin" value="<?=
$row['jenis_kelamin'] ?>">
                            <input type="text" name="alamat" value="<?=
$row['alamat'] ?>">
                            <input type="text" name="jurusan" value="<?=
$row['jurusan'] ?>">
                            <input type="text" name="no_hp" value="<?=
$row['no_hp'] ?>">
                            <button type="submit">Update</button>
                        </form>
                        <form action="delete.php" method="POST" class="inline">
                            <input type="hidden" name="id" value="<?= $row['id']
?>">
                            <button type="submit">Hapus</button>
                        </form>
                    </td>
                </tr>
            <?php endwhile; ?>
        </tbody>
    </table>
</div>
</body>

```

```
</html>
```

3. Insert

```
<?php
include 'connectPhpToDb.php';

if(
    isset($_POST['nrp']) &&
    isset($_POST['nama']) &&
    isset($_POST['umur']) &&
    isset($_POST['jenis_kelamin']) &&
    isset($_POST['alamat']) &&
    isset($_POST['jurusan']) &&
    isset($_POST['no_hp'])
) {
    $nrp = mysqli_real_escape_string($db, $_POST['nrp']);
    $nama = mysqli_real_escape_string($db, $_POST['nama']);
    $umur = mysqli_real_escape_string($db, $_POST['umur']);
    $jenis_kelamin = mysqli_real_escape_string($db,
$_POST['jenis_kelamin']);
    $alamat = mysqli_real_escape_string($db, $_POST['alamat']);
    $jurusan = mysqli_real_escape_string($db, $_POST['jurusan']);
    $no_hp = mysqli_real_escape_string($db, $_POST['no_hp']);

    $query = "INSERT INTO datasiswa (nama, nrp, umur, jenis_kelamin,
alamat, jurusan, no_hp) VALUES ('$nama', '$nrp', '$umur', '$jenis_kelamin',
'$alamat', '$jurusan', '$no_hp')";
    mysqli_query($db, $query);
}

header("Location: index.php");
exit();
```

4. Update

```
<?php
include 'connectPhpToDb.php';

if (isset($_POST['id'], $_POST['nama'], $_POST['nrp'], $_POST['umur'],
$_POST['jenis_kelamin'], $_POST['alamat'], $_POST['jurusan'],
$_POST['no_hp'])) {
    $id = intval($_POST['id']);
    $nama = mysqli_real_escape_string($db, $_POST['nama']);
    $nrp = mysqli_real_escape_string($db, $_POST['nrp']);
    $umur = mysqli_real_escape_string($db, $_POST['umur']);
    $jenis_kelamin = mysqli_real_escape_string($db,
$_POST['jenis_kelamin']);
    $alamat = mysqli_real_escape_string($db, $_POST['alamat']);
    $jurusan = mysqli_real_escape_string($db, $_POST['jurusan']);
    $no_hp = mysqli_real_escape_string($db, $_POST['no_hp']);
```

```

        $query = "UPDATE datasiswa SET nama = '$nama', nrp = '$nrp', umur =
'$umur', jenis_kelamin = '$jenis_kelamin', alamat = '$alamat', jurusan =
'$jurusan', no_hp = '$no_hp' WHERE id = '$id'";

        if(mysqli_query($db, $query)) {
            echo "Data telah diupdate";
        } else {
            echo "Error: " . mysqli_error($db);
        }
    }

    header("Location: index.php");
    exit();

```

5. Delete

```

<?php
include 'connectPhpToDb.php';

if(isset($_POST['id'])) {
    $id = intval($_POST['id']);

    $query = "DELETE FROM datasiswa WHERE id = $id";

    if(mysqli_query($db, $query)) {
        echo "Data berhasil Dihapus !";
    } else {
        echo "Error" . mysqli_error($db);
    }
}

header("Location: index.php");
exit();

```

6. Hasil

Data Mahasiswa

ID	Nama	NRP	Umur	Jenis Kelamin	Alamat	Jurusan	No HP
3	Arif muhammad	10002	19	Laki-Laki	Surabaya, Jawa timur	teknik informatika	2147483647

Aksi Mahasiswa

Update / Hapus