

LAPORAN PRAKTIKUM

IDENTITAS PRAKTIKAN

Mata Kuliah	Praktikum Sistem Keamanan Data
NIM	V3420069
Nama	Samuel Steven Prisma Hasiyono
Tema	Kriptografi Hash MD5
Link project	https://drive.google.com/file/d/1oIJG42Zrl03mrHH5ddHXGu5oeUFimrvF/view?usp=sharing

IDENTITAS TIM

No	Nama	Kontribusi

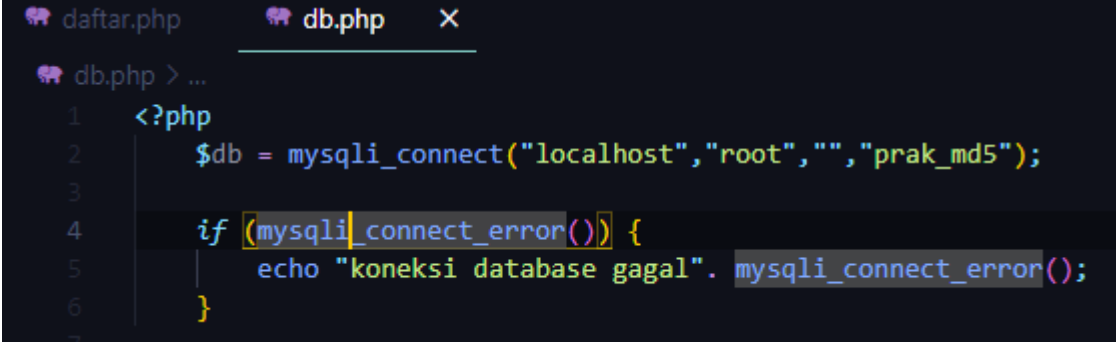
LANGKAH DAN HASIL PRAKTIKUM

1. Membuat data base



Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
username	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
password	text	utf8mb4_general_ci		No	None			Change Drop More
email	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
nama	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More

2. Membuat koneksi antara Data base dengan code kita saya beri nama db.php



```
daftar.php db.php X
db.php > ...
1 <?php
2 $db = mysqli_connect("localhost","root","","prak_md5");
3
4 if (mysqli_connect_error()) {
5     echo "koneksi database gagal". mysqli_connect_error();
6 }
7
```

3. Membuat file index atau file utamanya saya beri nama daftar.php

4. Pertama- tama saya membuat body sekaligus form itu sendiri

```
<body>

  <div class="register">
    <h2>Register Akun</h2>
    <form action="" method="POST">
      <table>
        <tr>
          <td>
            Username
          </td>
          <td>
            <input type="text" name="username" placeholder="Username" required>
          </td>
        </tr>
        <tr>
          <td>
            Password
          </td>
          <td>
            <input type="password" name="password" placeholder="Password" required>
          </td>
        </tr>
        <tr>
          <td>
            email
          </td>
          <td>
            <input type="email" name="email" placeholder="Email" required>
          </td>
        </tr>
        <tr>
          <td>
            nama
          </td>
          <td>
            <input type="text" name="nama" placeholder="nama" required>
          </td>
        </tr>
        <tr>
          <td colspan="2">
            <input type="submit" name="register" value="register">
          </td>
        </tr>
      </table>
    </form>
  </div>
</body>
```

5. Membuat css di dalam sekalian

```
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Register</title>
  <style type="text/css">
    body {
      font-family: sans-serif;
      background-color: aqua;
    }

    .register {
      padding: 2em;
      margin: 6em auto;
      width: 17em;
      background: #fff;
      border-radius: 3px;
    }

    input {
      border-radius: 5px;
      padding: 5px;
      background: #efefef;
    }
  </style>
</head>
```

6. Membuat session serta menginclude kan data base kita sesuai yang kita beri nama.

```
<?php
session_start();
include 'db.php';
global $db;
```

7. Membuat inputan data

```
if (isset($_POST['register'])) {
    $username = $_POST["username"];
    $password = $_POST["password"];
    $password_md5 = md5($password);
    $email = $_POST["email"];
    $nama = $_POST["nama"];
}
```

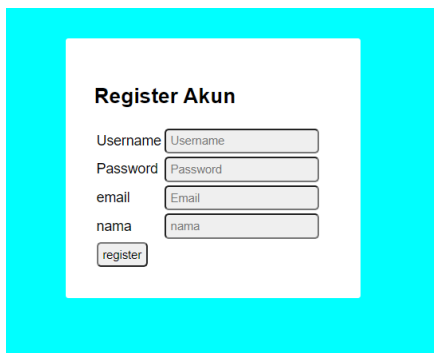
8.

```
$sql = mysqli_query($db, "INSERT INTO `user` (`username`, `password`, `email`, `nama`) VALUES ('$username', '$password_md5', '$email', '$nama');");
```

9. Menindak lanjuti setelah registrasi

```
echo "<script>window.alert('Data berhasil di tambahkan |')
      window.location='daftar.php'</script>";
```

10. Hasil Praktikum :



The screenshot shows a web form titled "Register Akun". It contains four input fields: "Username", "Password", "Email", and "nama". Below these fields is a "register" button. The form is displayed on a white background with a black border.

Tampilan awal yang di berikan

Register Akun

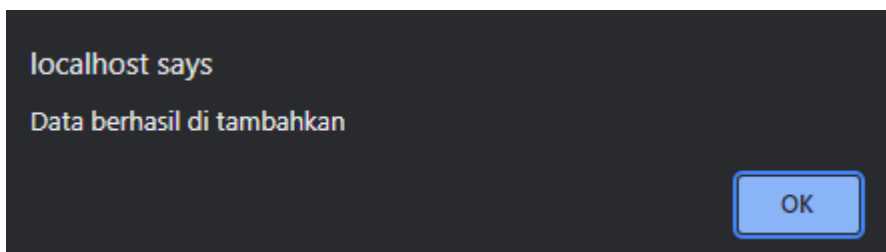
Username

Password

email

nama

Kita mengisi form



Jika berhasil akan keluar alert seperti ini

username	password	email	nama
samuel0902	4b9db269c5f978e1264480b0a7619eea	samuelsteven@student.uns.ac.id	samuel steven
shalom	shalom	shalom@gmail.com	shalom
shalom cantik	4297f44b13955235245b2497399d7a93	shalom@gmail.com	shalom
abdul	82027888c5bb8fc395411cb6804a065c	abdul123@Gmail.com	abdul
budi	c4df13cad905b0ff4cfd811606745cd8	budi123@Gmail.com	abdul
broni	4297f44b13955235245b2497399d7a93	budi123@Gmail.com	broni
belajar_md5	4297f44b13955235245b2497399d7a93	md5@Gmail.com	md5

Jika berhasil data di teruskan ke dalam data base yang tersambung

TUGAS TERSTRUKTUR(TT)

1	teks1	varchar(200)
2	tesk2	varchar(200)

```
pesan.php db.php X
db.php > ...
1 <?php
2 $conn = mysqli_connect('localhost', 'root', '', 'tt_md5');
3 // Check connection
4 if (mysqli_connect_errno()) {
5     echo "Koneksi GAGAL : " . mysqli_connect_error();
6 }
```

```
pesan.php X db.php
pesan.php > html > form > body > style > hasil
1 <?php
2 require 'db.php';
3 global $conn;
4 if (isset($_POST['ubah'])) {
5     $string1 = md5($_POST['teks1']);
6     $string2 = md5($_POST['teks2']);
7     mysqli_query($conn, "INSERT INTO `tt_md5` (`teks1`, `teks2`) VALUES ('$string1', '$string2');");
8 }
9 ?>
```

```
<!doctype html>
<html lang="en">
<form method="post">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.0/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-KyZXEAg3QhqLpG8r+8fhAXLRk2vvoC2F3B09zVXn8CA5QIVFZ013B"
  <title>FORPM</title>
</head>
```

```
<body>
  <h1>Form Mengubah MD5</h1>

  <script src="https://cdn.jsdelivr.net/npm/md5@4.7.0/dist/md5.min.js"></script>

  <style type="text/css">
    h1 {
      margin-top: 50px;
      margin-left: 480px;
    }

    .daftar {
      margin-top: 50px;
      margin-left: 480px;
      width: 400px;
      padding: 10px;
      border: 1px solid #fff;
      background: cyan;
    }

    .hasil {
      margin-top: 50px;
      margin-left: -150px;
    }

    input[type=teks] {
      margin: 5px auto;
      width: 100%;
      padding: 10px;
    }

    input[type=submit] {
      margin: 35px auto;
      float: left;
      padding: 5px;
      width: 380px;
      border: 1px solid #fff;
      color: #fff;
      background: cyan;
      cursor: pointer;
    }
  </style>
```

```

<div class="daftar">
  <div class="mb-3">
    <label for="" class="form-label">Masukkan TEKS</label>
    <input type="text" class="form-control" id="" name="teks1" placeholder="Masukkkkan Teks Pertama">
    <br>
    <input type="text" class="form-control" id="" name="teks2" placeholder="Masukkkkan Teks Kedua">
    <div class="form-group">
      <input type="submit" name="ubah" value="UBAH" class="btn btn-primary btn-block">
    </div>
  </div>
</div>

```

```

<H1>HASIL MD5</H1>
<div class="hasil">
  <table border="1" cellspacing="0" cellpadding="5" align="center">
    <tr>
      <td>TEKS PERTAMA : <?php echo ($string1); ?></td>
    </tr>
    <tr>
      <td>TEKS KEDUA : <?php echo ($string2); ?></td>
    </tr>
  </table>
</div>
</body>

```

Form Mengubah MD5

Masukkan TEKS

Masukkkkan Teks Pertama

Masukkkkan Teks Kedua

UBAH

Form Mengubah MD5

Masukkan TEKS

Pada bulan Oktober 2021 ini, suhu udara kota Solok

Pada bulan Oktober 2021 ini, suhu udara kota Solok

UBAH

HASIL MD5

TEKS PERTAMA : d41d8cd98f00b204e9800998ecf8427e

TEKS KEDUA : d41d8cd98f00b204e9800998ecf8427e

REFERENSI

- https://www.youtube.com/watch?v=Zi9R_5cqlGw&t=924s