LAPORAN RESMI
PRAKTIKUM KONSEP PEMOGRAMAN

Mu'arifin S. ST., M. T.

Nama : Muhammad Ilham Adi Pratama
Kelas : D4 – Teknik Informatika
NRP   : 3121600014

Tugas 8 Upload dan Download

1. database.php

```php
<?php

    $servername = "localhost";
    $username = "root";
    $password = "";
    $dbname = "dbsiswa";

    $connect = mysqli_connect($servername, $username, $password, $dbname);

    function query ($query){
        global $connect;
        $query = mysqli_query($connect, $query);
        $rows = [];
        while( $row = mysqli_fetch_assoc($query)) {
            $rows[] = $row;
        }
        return $rows;
    }

    function uploadFoto () {
        $foto = $_FILES['foto'];
        $namaFile = $foto['name'];
        $ukuranFile = $foto['size'];
        $error = $foto['error'];
        $tmpName = $foto['tmp_name'];

        // cek apakah tidak ada gambar yang diupload
        if( $error === 4 ) {
            echo "<script>
                    alert('Pilih gambar terlebih dahulu!');
                    document.location.href = 'insert.php';
                </script>";
            return false;
        }

        // cek apakah yang diupload adalah gambar
        $ekstensiValid = ['jpg', 'jpeg', 'png'];
        $ekstensiGambar = explode('.', $namaFile);
        $ekstensiGambar = strtolower(end($ekstensiGambar));

        // cek ekstensi file
        if ( !in_array ($ekstensiGambar, $ekstensiValid) ) {
            echo
                "<script>
                    alert ('Yang anda upload bukan gambar!');
                </script>
                ";
            return false;
        }

        // cek ukuran gambar yang boleh di upload
        if ( $ukuranFile > 2000000 ) {
            echo
                "<script>
                    alert ('Ukuran gambar anda terlalu besar!');
                </script>
                ";
            return false;
        }
```

```php
        // generate nama file baru untu mencegah file dengan nama sama
        $namaFileBaru = uniqid();
        $namaFileBaru .= ".";
        $namaFileBaru .= $ekstensiGambar;

        move_uploaded_file($tmpName , 'img/'. $namaFileBaru);

        return $namaFileBaru;

    }

    function tambahData ($data){
        global $connect;

        // ambil data dari tiap elemen dalam form
        $nrp = htmlspecialchars($data['nrp']);
        $nama = htmlspecialchars($data['nama']);
        $jenis_kelamin = htmlspecialchars($data['jenis_kelamin']);
        $agama = htmlspecialchars($data['agama']);
        $umur = htmlspecialchars($data['umur']);
        $alamat = htmlspecialchars($data['alamat']);

        $foto = uploadFoto();
        if(!$foto) {
            return false;
        }

        $query = "INSERT INTO siswa
                    VALUES
                ('$nrp', '$nama', '$jenis_kelamin', '$agama', '$umur', '$alamat',
'$foto')
                ";
        mysqli_query($connect, $query);

        return mysqli_affected_rows($connect);
    }

    function hapusData ($nrp){
        global $connect;
        mysqli_query($connect, "DELETE FROM siswa WHERE nrp = $nrp");
        return mysqli_affected_rows($connect);
    }

    function updateData ($data){
        global $connect;

        $nrp = htmlspecialchars($data['nrp']);
        $nama = htmlspecialchars($data['nama']);
        $jenis_kelamin = htmlspecialchars($data['jenis_kelamin']);
        $agama = htmlspecialchars($data['agama']);
        $umur = htmlspecialchars($data['umur']);
        $alamat = htmlspecialchars($data['alamat']);

        $foto = uploadFoto();
        if(!$foto) {
            return false;
        }

        $query = "UPDATE siswa SET
                nama = '$nama',
```

```php
                jenis_kelamin = '$jenis_kelamin',
                agama = '$agama',
                umur = '$umur',
                alamat = '$alamat',
                foto = '$foto'
            WHERE nrp = $nrp
                ";
        mysqli_query($connect, $query);

        return mysqli_affected_rows($connect);
    }

    function registrasi ($data) {
        global $connect;

        //menyimpan data yang diambil
        $fullname = strtolower(stripcslashes($data["fullname"]));
        $email = strtolower(stripcslashes($data["email"]));
        $password = mysqli_real_escape_string($connect, $data["password"]);
        $confirm = mysqli_real_escape_string($connect, $data["confirm"]);

        //cek apakah email sudah ada atau belum
        $query = mysqli_query($connect, "SELECT email FROM user WHERE email = '$email'");

        if(mysqli_fetch_assoc($query)) {
            echo "<script>
                    alert('Email sudah terdaftar!');
                </script>";
            return false;
        }

        //cek konfirmasi password
        if($password !== $confirm) {
            echo "<script>
                    alert('Konfirmasi password tidak sesuai!');
                </script>";
            return false;
        } else
            echo mysqli_error($connect);

        //enkripsi password
        $password = password_hash($password, PASSWORD_DEFAULT);

        //tambahkan user baru ke database
        mysqli_query($connect, "INSERT INTO user VALUES('', '$fullname', '$email',
'$password')");

        return mysqli_affected_rows($connect);
    }
?>
```

2. index.php

```php
<?php
require "database.php";
session_start();

    if(!isset($_SESSION["login"])) {
        header("Location: login.php");
        exit;
    }

    $daftarSiswa = query("SELECT * FROM siswa");

?>


<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>DATA MAHASISWA</title>
</head>
<style>
    table {
        border-collapse: collapse;
        width: 70%;
    }
    th, td {
        padding: 8px;
        text-align: left;
        border-bottom: 1px solid #ddd;
    }
    tr:hover {background-color:#f5f5f5;}
    th {
        background-color: orange;
        color: white;
    }
    table a {
        text-decoration: none;
    }
    #edit {
        width: 50%;
        background-color:green;
        float: left;
        color: white;
    }
    #edit:hover {
        background-color: #00ff00;
    }
    #delete {
        width: 50%;
        background-color: #890F0D;
        float: right;
        color: white;
    }
    #delete:hover{
        background-color: #E83A14;
    }
```

```css
    #add {
        background-color: orange;
        text-decoration: none;
        color: white;
        padding: 10px;
        text-align: center;
        border-radius: 5px;
    }
    .add{
        text-align: center;
        margin-top: 20px;
    }
    #add:hover {
        background-color: #ffc107;
        color: white;
    }
</style>
<body>
    <a style="text-decoration:none;" href="logout.php">Logout</a>

    <form action="">
        <table align="center" border="1" cellpadding="10" cellspacing="0">
            <tr>
                <th>No</th>
                <th>Aksi</th>
                <th>Foto</th>
                <th>NRP</th>
                <th>Nama</th>
                <th>Jenis Kelamin</th>
                <th>Agama</th>
                <th>Umur</th>
                <th>Alamat</th>
            </tr>
            <?php $no = 1; ?>
            <?php foreach ($daftarSiswa as $row):?>
            <tr>
                <td><?= $no; ?></td>
                <td>
                    <a id="edit" href="update.php?nrp=<?= $row['nrp']; ?>">Edit</a>
                    <a id="delete" href="delete.php?nrp=<?= $row['nrp']; ?>">Delete</a>
                </td>
                <td>
                    <?php
                    if($row['foto'] != null) {
                        echo "<img src='img/" . $row['foto'] . "' width='100px'>";
                        echo "<br>";
                        echo "<a href='download.php?nrp=" . $row['nrp'] .
"'>Download</a>";
                    } else {
                        echo "Tidak ada foto";
                        echo "<br>";
                        echo "<a href='update.php?nrp=" . $row['nrp'] . "'>Tambah
Foto</a>";
                    }
                    ?>
                </td>
                <td><?= $row['nrp']; ?></td>
                <td><?= $row['nama']; ?></td>
                <td><?= $row['jenis_kelamin']; ?></td>
                <td><?= $row['agama']; ?></td>
                <td><?= $row['umur']; ?></td>
```

```php
            <td><?= $row['alamat']; ?></td>
            </tr>
            <?php $no++; ?>
            <?php endforeach;?>
        </table>
    </form>
    <div class="add">
        <a id="add" href="insert.php">Tambah Data</a>
    </div>
</body>
</html>
```

3. insert.php

```php
<?php

require "database.php";

if(isset($_POST["submit"])) {
    if(tambahData($_POST) > 0) {
        echo "
            <script>
                alert('Data Berhasil Ditambahkan!');
                document.location.href = 'index.php';
            </script>
        ";
    } else {
        echo "
            <script>
                alert('Data Gagal Ditambahkan!');
                document.location.href = 'index.php';
            </script>
        ";
        mysqli_error($connect);
    }
}

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Tambah Data</title>
</head>
<style>
    table {
        border: 3px solid #ddd;
        border-radius: 5px;
    }
    th, td {
        padding: 8px;
        border-bottom: 1px solid #ddd;
    }
    .title {
        border: 3px solid orange;
        background-color: orange;
    }
    .item {background-color:#f5f5f5;}
    .item button {
        width: 100%;
        background-color: orange;
        text-decoration: none;
        color: white;
        padding: 10px;
        text-align: center;
        border-radius: 5px;
        border: none;
    }
    .item button:hover {
        background-color: #ffc107;
    }
    .close {
```

```css
            margin-top: 10px;
            /* border:none; */
        }
        #close {
            font-size:0.8rem;
            background-color: orange;
            text-decoration: none;
            color: white;
            padding: 5px;
            border-radius: 3px;
        }
        #close:hover {
            background-color: #ffc107;
        }
</style>
<body>
    <form action="" enctype="multipart/form-data" method="POST">
        <table align="center" cellpadding="10" cellspacing="0">
            <tr>
                <td class="title" colspan="2" align="center">TAMBAHKAN DATA</td>
            </tr>
            <tr class="item">
                <td><label for="nrp">NRP : </label></td>
                <td><input type="text" name="nrp" id="nrp" required></td>
            </tr>
            <tr class="item">
                <td><label for="nama">Nama : </label></td>
                <td><input type="text" name="nama" id="nama" required></td>
            </tr>
            <tr class="item">
                <td colspan="2" align="center"><input type="radio" name="jenis_kelamin"
id="jenis_kelamin" value="laki-laki">Laki Laki
                <input type="radio" name="jenis_kelamin" id="jenis_kelamin"
value="perempuan">Perempuan</td>
            </tr>
            <tr class="item">
                <td><label for="agama">Agama : </label></td>
                <td><input type="text" name="agama" id="agama" required></td>
            </tr>
            <tr class="item">
                <td><label for="umur">Umur : </label></td>
                <td><input type="text" name="umur" id="umur" required></td>
            </tr>
            <tr class="item">
                <td><label for="alamat">Alamat : </label></td>
                <td><input type="text" name="alamat" id="alamat" required></td>
            </tr>
            <tr class="item">
                <td><label for="foto">Foto : </label></td>
                <td><input type="file" name="foto" id="foto"></td>
            </tr>
            <tr class="item">
                <td colspan="2" align="center"><button type="submit"
name="submit">Simpan</button></td>
            </tr>
        </table>
        <div class="close" align="center"><a id="close"
href="index.php">Kembali</a></div>
    </form>
</body>
</html>
```

4. delete.php

```php
<?php
require "database.php";

$nrp = $_GET["nrp"];
if(hapusData($nrp) > 0) {
    echo "
        <script>
            alert('Data Berhasil Dihapus!');
            document.location.href = 'index.php';
        </script>
    ";
} else {
    echo "
        <script>
            alert('Data Gagal Dihapus!');
            document.location.href = 'index.php';
        </script>
    ";
    mysqli_error($connect);
}
?>
```

5. update.php

```php
<?php
require "database.php";

$nrp = $_GET["nrp"];

$daftarSiswa = query("SELECT * FROM siswa WHERE nrp = $nrp")[0];

if(isset($_POST['submit'])){
    if(updateData($_POST) > 0){
        echo "<script>
                alert ('data berhasil diubah!');
                document.location.href = 'index.php';
            </script>";
    }else {
        echo "<script>
                alert ('data gagal diubah!');
                document.location.href = 'index.php';
            </script>";
        echo "<br>";
        echo mysqli_error($connect);
    }
}

?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Update Data</title>
</head>
<style>
    table {
        border: 3px solid #ddd;
```

```css
            border-radius: 5px;
        }
        th, td {
            padding: 8px;
            border-bottom: 1px solid #ddd;
        }
        .title {
            border: 3px solid orange;
            background-color: orange;
        }
        .item {background-color:#f5f5f5;}
        .item button {
            width: 100%;
            background-color: orange;
            text-decoration: none;
            color: white;
            padding: 10px;
            text-align: center;
            border-radius: 5px;
            border: none;
        }
        .item button:hover {
            background-color: #ffc107;
        }
        .close {
            margin-top: 10px;
            /* border:none; */
        }
        #close {
            font-size:0.8rem;
            background-color: orange;
            text-decoration: none;
            color: white;
            padding: 5px;
            border-radius: 3px;
        }
        #close:hover {
            background-color: #ffc107;
        }
</style>
<body>
    <form action="" enctype="multipart/form-data" method="POST">
        <table align="center" cellpadding="10" cellspacing="0">
            <input type="hidden" name="nrp" id="nrp" value="<?= $daftarSiswa['nrp']?>">
            <tr>
                <td class="title" colspan="2" align="center">UBAH DATA</td>
            </tr>
            <tr class="item">
                <td><label for="nama">Nama : </label></td>
                <td><input type="text" name="nama" id="nama" required
                value="<?= $daftarSiswa['nama']?>"></td>
            </tr>
            <tr class="item">
                <td colspan="2" align="center"><input type="radio" name="jenis_kelamin"
id="jenis_kelamin"
                value="laki-laki">Laki Laki
                <input type="radio" name="jenis_kelamin" id="jenis_kelamin"
value="perempuan">Perempuan</td>
            </tr>
            <tr class="item">
                <td><label for="agama">Agama : </label></td>
```

```html
            <td><input type="text" name="agama" id="agama" required
                value="<?= $daftarSiswa['agama']?>"></td>
        </tr>
        <tr class="item">
            <td><label for="umur">Umur : </label></td>
            <td><input type="text" name="umur" id="umur" required
                value="<?= $daftarSiswa['umur']?>"></td>
        </tr>
        <tr class="item">
            <td><label for="alamat">Alamat : </label></td>
            <td><input type="text" name="alamat" id="alamat" required
                value="<?= $daftarSiswa['alamat']?>"></td>
        </tr>
        <tr class="item">
            <td><label for="foto">Foto : </label></td>
            <td><input type="file" name="foto" id="foto" required
                value="<?= $daftarSiswa['foto']?>"></td>
        <tr class="item">
            <td colspan="2" align="center"><button type="submit"
name="submit">Simpan</button></td>
        </tr>
    </table>
    <div class="close" align="center"><a id="close"
href="index.php">Kembali</a></div>
    </form>
</body>
</html>
```

6. registrasi.php

```php
<?php
require 'database.php';
    if(isset($_POST["daftar"])) {
        if (registrasi($_POST) > 0) {
            echo "<script>
                    alert('User baru berhasil ditambahkan!');
                </script>";
        } else {
            echo "<script>
                alert ('user baru gagal ditambahkan!');
            </script>";
            echo "<br>";
            echo mysqli_error($connect);
        }
    }
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Halaman Registrasi</title>
</head>
<style>
    table {
        border: 3px solid #ddd;
        border-radius: 5px;
    }
    th, td {
        padding: 8px;
```

```
        border-bottom: 1px solid #ddd;
    }
    .title {
        border: 3px solid orange;
        background-color: orange;
    }
    .item {background-color:#f5f5f5;}
    .item button {
        width: 100%;
        background-color: orange;
        text-decoration: none;
        color: white;
        padding: 10px;
        text-align: center;
        border-radius: 5px;
        border: none;
    }
    .item button:hover {
        background-color: #ffc107;
    }
    .close {
        margin-top: 10px;
        /* border:none; */
    }
    #close {
        font-size:0.8rem;
        background-color: orange;
        text-decoration: none;
        color: white;
        padding: 5px;
        border-radius: 3px;
    }
    #close:hover {
        background-color: #ffc107;
    }
</style>
<body>
    <form action="" method="post">
        <table align="center" border="1" cellpadding="10" cellspacing="0">
            <tr>
                <td class="title" colspan="2" align="center">REGISTRASI</td>
            </tr>
            <tr class="item">
                <td><label for="fullname">Fullname :</label></td>
                <td><input type="text" name="fullname" id="fullname"></td>
            </tr>
            <tr class="item">
                <td><label for="email">Email :</label></td>
                <td><input type="email" name="email" id="email"></td>
            </tr>
            <tr class="item">
                <td><label for="password">Password :</label></td>
                <td><input type="password" name="password" id="password"></td>
            </tr>
            <tr class="item">
                <td><label for="confirm">Confirm Password :</label></td>
                <td><input type="password" name="confirm" id="confirm"></td>
            </tr>
            <tr class="item">
                <td colspan="2" align="center"><button type="submit"
name="daftar">DAFTAR</button></td>
```

```
            </tr>
        </table>
        <div class="close" align="center">Sudah punya akun? <a id="close"
href="login.php">Login</a></div>
    </form>
</body>
</html>
```

7. login.php

```php
<?php
require 'database.php';
session_start();

    //cek cookie
    if(isset($_COOKIE["id"]) && isset($_COOKIE["key"])) {
        $id = $_COOKIE["id"];
        $key = $_COOKIE["key"];

        //ambil username berdasarkan id
        $result = mysqli_query($connect, "SELECT email FROM user WHERE id = $id");
        $row = mysqli_fetch_assoc($result);

        //cek cookie dan username
        if($key === hash('sha256', $row['username'])) {
            $_SESSION['login'] = true;
        }
    }

    if(isset($_SESSION["login"])) {
        header("Location: index.php");
        exit;
    }

    if(isset($_POST["login"])) {
        $email = $_POST["email"];
        $password = $_POST["password"];

        $result = mysqli_query($connect, "SELECT * FROM user WHERE email = '$email'");

        //cek username
        if(mysqli_num_rows($result) === 1) {
            //cek password
            $row = mysqli_fetch_assoc($result);
            if(password_verify($password, $row["password"])) {
                //set session
                $_SESSION["login"] = true;

                //cek remember me
                if(isset($_POST["remember"])) {
                    //buat cookie
                    setcookie('id', $row['id'], time()+60);
                    setcookie('key', hash('sha256', $row['email']), time()+60);
                }
            }
        }

        $error = true;
    }
?>

<!DOCTYPE html>
```

```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Halaman Registrasi</title>
</head>
<style>
    table {
        border: 3px solid #ddd;
        border-radius: 5px;
    }
    th, td {
        padding: 8px;
        border-bottom: 1px solid #ddd;
    }
    .title {
        border: 3px solid orange;
        background-color: orange;
    }
    .item {background-color:#f5f5f5;}
    .item button {
        width: 100%;
        background-color: orange;
        text-decoration: none;
        color: white;
        padding: 10px;
        text-align: center;
        border-radius: 5px;
        border: none;
    }
    .item button:hover {
        background-color: #ffc107;
    }
    .close {
        margin-top: 10px;
        /* border:none; */
    }
    #close {
        font-size:0.8rem;
        background-color: orange;
        text-decoration: none;
        color: white;
        padding: 5px;
        border-radius: 3px;
    }
    #close:hover {
        background-color: #ffc107;
    }
</style>
<body>
    <?php if (isset($error)) :?>
        <p style="color: red; font-style: italic;">username / password salah</p>
    <?php endif; ?>

    <form action="" method="post">
        <table align="center" border="1" cellpadding="10" cellspacing="0">
            <tr>
                <td class="title" colspan="2" align="center">LOGIN</td>
            </tr>
            <tr class="item">
```

```html
            <td><label for="email">Email :</label></td>
            <td><input type="email" name="email"></td>
        </tr>
        <tr class="item">
            <td><label for="password">Password :</label></td>
            <td><input type="password" name="password"></td>
        </tr>
        <tr class="item">
            <td colspan="2" align="center">
                <input type="checkbox" name="remember">
                <label for="remember">Remember Me</label>
            </td>
        </tr>
        <tr class="item">
            <td colspan="2" align="center"><button type="submit"
name="login">LOGIN</button></td>
        </tr>
    </table>
    <div class="close" align="center">Belum punya akun? <a id="close"
href="registrasi.php">Daftar</a></div>
    </form>
</body>
</html>
```

8. logout.php

```php
<?php
session_start();
$_SESSION = [];
session_unset();
session_destroy();

setcookie('id', '', time()-3600);
setcookie('key', '', time()-3600);

header("Location: login.php");
exit;
?>
```

9. download.php

```php
<?php
    require "database.php";

    $nrp = $_GET["nrp"];

    $daftarSiswa = mysqli_query($connect, "SELECT * FROM siswa WHERE nrp = $nrp");
    $daftarSiswa = mysqli_fetch_assoc($daftarSiswa);

    if(!$daftarSiswa['foto'] === '') {
        echo "
            <script>
                alert('Mahasiswa ini tidak memiliki foto!');
                document.location.href = 'index.php';
            </script>";
        return false;
    }

    $fileName = $daftarSiswa['foto'];
    $filePath = "img/".$fileName;

    if(!file_exists($filePath)) {
```

```php
        echo "
            <script>
                alert('File tidak ditemukan!');
                document.location.href = 'index.php';
            </script>";
        return false;
    }

    header("Content-Description: File Transfer");
    header("Content-Disposition: attachment; filename=$fileName");
    header("Content-Type: application/octet-stream");
    readfile($filePath);
    exit;
?>
```

OUTPUT

registrasi.php

login.php

index.php

insert.php

update.php

UBAH DATA
Nama :   Azis Zuhri Pratomo
◉ Laki Laki   ◯ Perempuan
Agama :   Islam
Umur :   20
Alamat :   Jakarta
Foto :   Pilih File   azis.jpg
Simpan

Kembali