

LAMPIRAN

Lampiran 1. Surat Kesiediaan Dosen Pembimbing 1

SURAT KESEDIAAN MEMBIMBING TA

Yang bertanda tangan di bawah ini:

Nama : Rais, S.Pd., M.Kom.
NIDN : 0614108501
NIPY : 07.011.083
Jabatan Struktural : Dosen Tetap
Jabatan Fungsional : Lektor

Dengan ini menyatakan bersedia untuk menjadi pembimbing I pada Tugas Akhir mahasiswa berikut:

Nama : Maulana Malik Ibrahim
NIM : 21040027
Program Studi : D3 Teknik Komputer

Judul TA : SISTEM *MONITORING* TEMPAT SAMPAH OTOMATIS
BERBASIS *WEBSITE* DENGAN INDIKATOR PENUH
DI POLITEKNIK HARAPAN BERSAMA KOTA TEGAL.

Demikian pernyataan ini dibuat agar dapat dilaksanakan sebagaimana mestinya.

Tegal, 28 Mei 2024

Mengetahui
Ka. Prodi DIII Teknik Komputer,

Dosen Pembimbing I,



Ida Airliana, ST., M.Kom
NIPY. 12.013.168



Rais, S.Pd., M.Kom
NIPY. 07.011.083

Lampiran 2. Surat Kesiediaan Dosen Pembimbing 2

SURAT KESEDIAAN MEMBIMBING TA

Yang bertanda tangan di bawah ini :

Nama : Eko Budihartono, S.T., M.Kom.
NIDN : 0605037304
NIPY : 12.013.170
Jabatan Struktural : -
Jabatan Fungsional : Lektor

Dengan ini menyatakan bersedia untuk menjadi pembimbing II pada Tugas Akhir mahasiswa berikut :

Nama : Maulana Malik Ibrahim
NIM : 21040027
Program Studi : D3 Teknik Komputer

Judul TA : SISTEM *MONITORING* TEMPAT SAMPAH OTOMATIS
BERBASIS *WEBSITE* DENGAN INDIKATOR PENUH
DI POLITEKNIK HARAPAN BERSAMA KOTA TEGAL.

Demikian pernyataan ini dibuat agar dapat dilaksanakan sebagaimana mestinya.

Tegal, 28 Mei 2024

Mengetahui,
Ka. Prodi DIII Teknik Komputer,



Ida Afriliana, S.T., M.Kom.
NIPY. 12.013.168

Dosen Pembimbing II,

Eko Budihartono, S.T., M.Kom.
NIPY. 12.013.170




Lampiran 3. Bimbingan Laporan TA Dosen Pembimbing 1

Lampiran 22
Bimbingan Proposal TA

IK P2M PHB d.5.1.e.1

NAMA MAHASISWA: Maulana Malik Ibrahim
PEMBIMBING I: Rais, S.Pd, M.kom
PROPOSAL TA

BIMBINGAN







No	HARI/ TANGGAL	URAIAN	TANDA TANGAN
1.	22 April 2024	~ Latar Belakang ~ Rumusan Masalah ~ Batasan Masalah ~ Tujuan, Objecknya di kampus jadi bagi mahasiswa dan Pauterunik	
2.	29 April 2024	~ Latar Belakang, Mengapa memilih judul tersebut ~ Batasan Masalah, menambahkan indikator akan berbunyi jika ketinggian Sampah organik dan Anorganik mencapai 52 cm	
3.	6 Mei 2024	~ Teori Terkait ~ Landasan Teori, menjelaskan pengertian tentang alat yg digunakan	
4.	8 Mei 2024	ACC Proposal	
5.	13 Mei 2024	~ Spaci Sesuai di buku Handwritten Pedoman ~ ACC Laporan	

Lampiran 4. Bimbingan Laporan TA Dosen Pembimbing 2

Lampiran 23
Bimbingan Laporan Pembimbing I TA

IK | P2M | PHB | d.5.1.e.1

PEMBIMBING II: Eko Budihartono, S.T, M.kom BIMBINGAN
LAPORAN TA

No	HARI/ TANGGAL	URAIAN	TANDA TANGAN
1.	28 Mei 2024	-Kata asing harus cetak miring ~ Revisi Use case, Penambahan Login, Registrasi, Data Volume Sampah, Logout ~ Revisi Activity Diagram ~ Revisi Sequence Diagram ~ Flowchar dihapus ~ Penomoran halaman Bab dibawah selanjutnya Penomoran halaman diatas	
2.	30 Mei 2024	~ ACC Laporan	
3.	25 Mei 2024	~ Membuat Surat kesediaan Pembimbing, Penulisan jabatan	
4.	26 Mei 2024	~ Membuat Surat kesediaan Pembimbing, Penulisan gelar	
5.	27. Mei 2024	~ Halaman Lampiran dan Daftar lampiran	
6	30 Mei 2024	ACC BAB IV, V, VI siap ujian TA	

Lampiran 5. Surat Observasi



POLITEKNIK HARAPAN BERSAMA

D-3 Teknik Komputer

No. : 048.03/KMP.PHB/V/2024
Lampiran : -
Perihal : Permohonan Izin Observasi Tugas Akhir (TA)

Kepada Yth.

Kepala Politeknik Harapan Bersama Kota Tegal

Jl. Mataram No.9, Pesurungan Lor, Kec. Margadana, Kota Tegal, Jawa Tengah 52147

Dengan Hormat,

Sehubungan dengan tugas mata kuliah Tugas Akhir (TA) yang akan diselenggarakan di semester VI (Genap) Program Studi D III Teknik Komputer Politeknik Harapan Bersama Tegal, Maka dengan ini kami mengajukan izin observasi pengambilan data di Politeknik Harapan Bersama Kota Tegal yang Bapak / Ibu Pimpin, untuk kepentingan dalam pembuatan produk Tugas Akhir, dengan Mahasiswa sebagai berikut:

No.	NIM	Nama	No. HP
1	21040027	MAULANA MALIK IBRAHIM	085700194416
2	21040053	RAMANDA SATRIO	0895360587171

Demikian surat permohonan ini kami sampaikan atas izin dan kerjasamanya kami sampaikan terima kasih.

Tegal, 27 Mei 2024
Kep. Prodi DIII Teknik Komputer
Politeknik Harapan Bersama Tegal

Ida Aurihana, ST, M.Kom
NIPY. 12.013.168

Lampiran 6. Dokumentasi Observasi

Gambar Hasil Observasi Sampah



Lampiran 7. Coding Halaman Index.php

```
<?php
// Initialize the session
session_start();

// Check if the user is logged in, if not then redirect him to login
page
if (!isset($_SESSION["loggedin"]) || $_SESSION["loggedin"] !== true)
{
    header("location: login.php");
    exit;
}
?>

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

<head>
    <meta charset="UTF-8">
    <title>SPSO-Dashboard</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <script type="text/javascript" src="assets/js/jquery-
3.4.0.min.js"></script>
    <script type="text/javascript"
src="assets/js/mdb.min.js"></script>
    <script type="text/javascript" src="jquery-latest.js"></script>
    <script type="text/javascript"
src="assets/js/bootstrap.bundle.min.js"></script>
    <script type="text/javascript"
src="https://cdn.jsdelivr.net/npm/chart.js"></script>
    <script type="text/javascript">
        var refreshid = setInterval(function () {
            $('#responsecontainer').load('data.php');
        }, 500);
    </script>

    <style>
        body {
            position: relative;
            min-height: 100vh;
            margin: 0;
            background: linear-gradient(rgba(0, 119, 190, 0.5),
rgba(0, 119, 190, 0.5));
            overflow: hidden;
```



```

    }

    .background-image {
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%);
        width: 300px;
        /* Adjust the width as needed */
        height: auto;
        opacity: 0.8;
        /* Adjust the opacity as needed */
        z-index: 1;
    }

    .content {
        position: relative;
        z-index: 2;
        background: rgba(255, 255, 255, 0.8);
        border-radius: 10px;
        padding: 20px;
        margin-top: 20px;
        text-align: center;
    }
</style>
</head>

<body>
<nav class="navbar navbar-dark navbar-expand-md bg-primary justify-
content-between">
    <div class="container-fluid">
        <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target=".dual-nav">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="navbar-collapse collapse dual-nav w-50 order-1
order-md-0">
            <ul class="navbar-nav">
                <li class="nav-item active">
                    <a class="nav-link pl-0" href="#">Dashboard
<span class="sr-only">Dashboard</span></a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="#">Link</a>
                </li>
            </ul>

```

```

        </div>
        <a href="/" class="navbar-brand mx-auto d-block text-center
order-0 order-md-1 w-25">SPSO</a>
        <div class="navbar-collapse collapse dual-nav w-50 order-2">
            <ul class="nav navbar-nav ml-auto">
                <li class="nav-item my-2"><span class="text-
white"><?php echo htmlspecialchars($_SESSION["username"]);
?></span></li>
                <li class="nav-item"><a href="logout.php" class="btn
btn-danger ml-3">Sign Out</a></li>
            </ul>
        </div>
    </div>
</nav>
<!-- Background Warna Biru Laut -->
<div class="background-blue">
</div>

<!-- Gambar Icon -->


<!-- Tempat untuk tampilan grafik -->
<div class="container content">
    <h3>SISTEM MONITORING SAMPAH ORGANIK & ANORGANIK
OTOMATIS</h3>
    <p>(D3 Teknik Komputer)</p>
</div>

<!-- div untuk grafik -->
<div class="container content">
    <div class="row" id="responsecontainer" style="text-align:
center"></div>
</div>
</body>

</html>

```

Lampiran 8. Coding Halaman Data.php

```
<?php
    //koneksi distance
    require_once 'config.php';
    //
    // baca data dari tabel

    // baca ID tertinggi
    $sql_ID = mysqli_query($link, "SELECT MAX(ID) FROM tb_sensor") ;
    // tangkap datanya
    $data_ID = mysqli_fetch_array($sql_ID) ;
    // ambil id terakhir
    $ID_akhir = $data_ID['MAX(ID)'] ;
    $ID_awal = $ID_akhir - 4 ;

    // baca data dari tabel
    // baca tanggal untuk semua data
    $tanggal = mysqli_query($link, "SELECT tanggal FROM tb_sensor
WHERE ID>='$ID_awal' AND ID<='$ID_akhir' ORDER BY ID ASC");
    // baca informasi suhu untuk semua data
    $suhu = mysqli_query($link, "SELECT suhu FROM tb_sensor WHERE
ID>='$ID_awal' AND ID<='$ID_akhir' ORDER BY ID ASC");
    // baca informasi kelembaban
    $kelembaban = mysqli_query($link, "SELECT kelembaban FROM
tb_sensor WHERE ID>='$ID_awal' AND ID<='$ID_akhir' ORDER BY ID
ASC");
?>

<!-- Grafik Suhu -->
<div class="col">
    <div class="panel panel-primary">
        <div class="panel-heading">VOLUME BAK SAMPAH
ORGANIK</div>
        <div class="panel-body">
            <!-- Siapkan canvas untuk grafik -->
            <canvas id="suhuChart"></canvas>
            <!-- Gambar grafiknya -->
            <script type="text/javascript">
                var suhuCanvas =
document.getElementById('suhuChart');
                var suhuData = {
                    labels: [
                        <?php
```

```

                                while ($data_tanggal =
mysqlqli_fetch_array($tanggal))
                                {
                                    echo
                                "".$data_tanggal['tanggal'].'",';
                                }
                                ?>
                                ],
                                datasets: [
                                    {
                                        label: "BAK SAMPAH ORGANIK",
                                        fill: true,
                                        backgroundColor: "rgba(46, 230, 226,
0.2)",
                                        borderColor: "rgba(46, 230, 226,
1)",
                                        lineTension: 0.5,
                                        pointRadius: 3,
                                        data: [
                                            <?php
mysqlqli_fetch_array($suhu))
                                            {
                                                echo
                                            $data_suhu['suhu'].'',';
                                            }
                                            ?>
                                        ]
                                    }
                                ]
                                };
                                var suhuOption = {
                                    showLines: true,
                                    animation: {duration: 0}
                                };
                                var suhuChart = new Chart(suhuCanvas, {
                                    type: 'line',
                                    data: suhuData,
                                    options: suhuOption
                                });
                                </script>
                                </div>
                                </div>
                                </div>

```

```

<!-- Grafik Kelembaban -->
<div class="col">
    <div class="panel panel-primary">
        <div class="panel-heading">VOLUME BAK SAMPAH
ANORGANIK</div>
        <div class="panel-body">
            <!-- Siapkan canvas untuk grafik -->
            <canvas id="kelembabanChart"></canvas>
            <!-- Gambar grafiknya -->
            <script type="text/javascript">
                var kelembabanCanvas =
document.getElementById('kelembabanChart');
                var kelembabanData = {
                    labels: [
                        <?php
                            mysqli_data_seek($tanggal, 0);
                            while ($data_tanggal =
mysqli_fetch_array($tanggal))
                                {
                                    echo
'''.$data_tanggal['tanggal'].'",';
                                }
                            ?>
                    ],
                    datasets: [
                        {
                            label: "BAK SAMPAH ANORGANIK",
                            fill: true,
                            backgroundColor: "rgba(212, 176, 32,
0.2)",
                            borderColor: "rgba(212, 176, 32,
1)",
                            lineTension: 0.5,
                            pointRadius: 3,
                            data: [
                                <?php
                                    while($data_kelembaban =
mysqli_fetch_array($kelembaban))
                                        {
                                            echo
$data_kelembaban['kelembaban'].'",';
                                        }
                                ?>
                            ]
                        }
                    ]
                }
            </script>
        </div>
    </div>
</div>

```

```
        ]
    };
    var kelembabanOption = {
        showLines: true,
        animation: {duration: 0}
    };
    var kelembabanChart = new
Chart(kelembabanCanvas, {
    type: 'line',
    data: kelembabanData,
    options: kelembabanOption
});
</script>
</div>
</div>
</div>
```

Lampiran 9. Coding Config.php

```
<?php
/* Database credentials. Assuming you are running MySQL
server with default setting (user 'root' with no password) */
define('DB_SERVER', 'localhost');
define('DB_USERNAME', 'root');
define('DB_PASSWORD', '');
define('DB_NAME', 'grafiksensor');

/* Attempt to connect to MySQL database */
$link = mysqli_connect(DB_SERVER, DB_USERNAME, DB_PASSWORD,
DB_NAME);

// Check connection
if($link === false){
    die("ERROR: Tidak bisa terkoneksi DB " .
mysqli_connect_error());
}
?>
```

Lampiran 10. Coding Indexasli.php

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1">
  <title>Grafik Sensor</title>

  <link rel="stylesheet" type="text/css"
href="assets/css/bootstrap.min.css">
  <script type="text/javascript" src="assets/js/jquery-
3.4.0.min.js"></script>
  <script type="text/javascript"
src="assets/js/mdb.min.js"></script>
  <script type="text/javascript" src="jquery-latest.js"></script>
  <script type="text/javascript"
src="https://cdn.jsdelivr.net/npm/chart.js"></script>

  <!-- Memanggil data grafik -->
  <script type="text/javascript">
    var refreshid = setInterval(function(){
      $('#responsecontainer').load('data.php') ;
    }, 500);
  </script>

  <style>
    body {
      position: relative;
      min-height: 100vh;
      margin: 0;
      background: linear-gradient(rgba(0, 119, 190, 0.5),
rgba(0, 119, 190, 0.5));
      overflow: hidden;
    }
    .background-image {
      position: absolute;
      top: 50%;
      left: 50%;
      transform: translate(-50%, -50%);
      width: 300px; /* Adjust the width as needed */
      height: auto;
      opacity: 0.8; /* Adjust the opacity as needed */
      z-index: 1;
    }
  </style>
</head>
<body>
  <div class="background-image">
    <img alt="Background image for the chart" data-bbox="185 164 842 889"/>
  </div>
</body>
</html>
```



```

    }
    .content {
        position: relative;
        z-index: 2;
        background: rgba(255, 255, 255, 0.8);
        border-radius: 10px;
        padding: 20px;
        margin-top: 20px;
        text-align: center;
    }
</style>
</head>
<body>
    <!-- Background Warna Biru Laut -->
    <div class="background-blue">
    </div>

    <!-- Gambar Icon -->
    

    <!-- Tempat untuk tampilan grafik -->
    <div class="container content">
        <h3>SISTEM MONITORING SAMPAH ORGANIK & ANORGANIK
OTOMATIS</h3>
        <p>(D3 Teknik Komputer)</p>
    </div>

    <!-- div untuk grafik -->
    <div class="container content">
        <div class="row" id="responsecontainer" style="width: 100%;
text-align: center"></div>
    </div>
</body>
</html>

```

Lampiran 11. Coding Kirimdata.php

```
<?php
    // koneksi ke database
    require_once 'config.php';

    // tangkap data dari esp
    // $suhu = $_GET['suhu'];
    // $kelembaban = $_GET['kelembaban'];

    $volumeAnorganik = $_GET['volume_anorganik'];
    $volumeOrganik = $_GET['volume_organik'];

    // simpan ke tabel tb_sensor
    // atur ID selalu di mulai dari 1
    mysqli_query($link, "ALTER TABLE tb_sensor AUTO_INCREMENT=1");

    // SIMPAN NILAI SUHU DAN KELEMBABAN KE TABEL TB_SENSOR
    $simpan = mysqli_query($link, "INSERT INTO tb_sensor
(volume_anorganik, volume_organik) VALUES ('$volumeAnorganik',
'$volumeOrganik')");

    // Berikan respon ke esp
    if($simpan) {
        echo "Berhasil disimpan";
    } else {
        echo "Gagal disimpan";
    }
?>
```

Lampiran 12. Coding Login.php

```
<?php
// Initialize the session
session_start();

// Check if the user is already logged in, if yes then redirect him
to welcome page
if (isset($_SESSION["loggedin"]) && $_SESSION["loggedin"] === true)
{
    header("location: index.php");
    exit;
}

// Include config file
require_once "config.php";

// Define variables and initialize with empty values
$username = $password = "";
$username_err = $password_err = $login_err = "";

// Processing form data when form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {

    // Check if username is empty
    if (empty(trim($_POST["username"]))) {
        $username_err = "Silakan isi username";
    } else {
        $username = trim($_POST["username"]);
    }

    // Check if password is empty
    if (empty(trim($_POST["password"]))) {
        $password_err = "Silakan masukkan password";
    } else {
        $password = trim($_POST["password"]);
    }

    // Validate credentials
    if (empty($username_err) && empty($password_err)) {
        // Prepare a select statement
        $sql = "SELECT id, username, password FROM tb_user WHERE
username = ?";

        if ($stmt = mysqli_prepare($link, $sql)) {
```

```

// Bind variables to the prepared statement as
parameters
mysqli_stmt_bind_param($stmt, "s", $param_username);

// Set parameters
$param_username = $username;

// Attempt to execute the prepared statement
if (mysqli_stmt_execute($stmt)) {
    // Store result
    mysqli_stmt_store_result($stmt);

    // Check if username exists, if yes then verify
password
    if (mysqli_stmt_num_rows($stmt) == 1) {
        // Bind result variables
        mysqli_stmt_bind_result($stmt, $id, $username,
$hashed_password);
        if (mysqli_stmt_fetch($stmt)) {
            if (password_verify($password,
$hashed_password)) {
                // Password is correct, so start a new
session
                session_start();

                // Store data in session variables
                $_SESSION["loggedin"] = true;
                $_SESSION["id"] = $id;
                $_SESSION["username"] = $username;

                // Redirect user to welcome page
                header("location: index.php");
            } else {
                // Password is not valid, display a
generic error message
                $login_err = "username atau password
salah";
            }
        }
    } else {
        // Username doesn't exist, display a generic
error message
        $login_err = "username atau password salah";
    }
} else {

```

```

        echo "Kesalahan terjadi, silakan coba beberapa saat
lagi";
    }

    // Close statement
    mysqli_stmt_close($stmt);
}

// Close connection
mysqli_close($link);
}
?>

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

<head>
    <meta charset="UTF-8">
    <title>SPSO-Login</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <style>
        body,html {
            font: 14px sans-serif;
            height: 100%;
        }

        .wrapper {
            width: 400px;
            padding: 20px;
        }

        .bgimg {
            background: url('assets/img/bg.jpg');
            background-repeat: no-repeat !important;
            background-size: cover;
            background-position: center;
        }
    </style>
</head>

<body class="bgimg">

    <div class="wrapper mx-auto">
        <div class="card">
            <div class="card-header">

```

```

        <h2>Login</h2>
        <p>Silakan login di sini.</p>
    </div>
    <?php
    if (!empty($login_err)) {
        echo '<div class="alert alert-danger">' . $login_err
    . '</div>';
    }
    ?>
    <div class="card-body">
    <form action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="post">
        <div class="form-group">
            <label>Username</label>
            <input type="text" name="username"
                class="form-control <?php echo
(!empty($username_err)) ? 'is-invalid' : ''; ?>"
                value="<?php echo $username; ?>">
            <span class="invalid-feedback"><?php echo
$username_err; ?></span>
        </div>
        <div class="form-group">
            <label>Password</label>
            <input type="password" name="password"
                class="form-control <?php echo
(!empty($password_err)) ? 'is-invalid' : ''; ?>">
            <span class="invalid-feedback"><?php echo
$password_err; ?></span>
        </div>
        <div class="form-group">
            <input type="submit" class="btn btn-primary"
value="Login">
        </div>
        <p>Belum punya akun? <a href="register.php">Daftar
di sini</a>.</p>
    </form>
    </div>
</div>
</body>
</html>

```

Lampiran 13. Coding Register.php

```
<?php
// Include config file
require_once "config.php";

// Define variables and initialize with empty values
$username = $password = $confirm_password = "";
$username_err = $password_err = $confirm_password_err = "";

// Processing form data when form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {

    // Validate username
    if (empty(trim($_POST["username"]))) {
        $username_err = "Silakan isi username";
    } elseif (!preg_match('/^[a-zA-Z0-9_]+$/',
trim($_POST["username"]))) {
        $username_err = "Username dapat berisi huruf, angka, dan
underscore";
    } else {
        // Prepare a select statement
        $sql = "SELECT id FROM tb_user WHERE username = ?";

        if ($stmt = mysqli_prepare($link, $sql)) {
            // Bind variables to the prepared statement as
parameters
            mysqli_stmt_bind_param($stmt, "s", $param_username);

            // Set parameters
            $param_username = trim($_POST["username"]);

            // Attempt to execute the prepared statement
            if (mysqli_stmt_execute($stmt)) {
                /* store result */
                mysqli_stmt_store_result($stmt);

                if (mysqli_stmt_num_rows($stmt) == 1) {
                    $username_err = "Username ini sudah ada";
                } else {
                    $username = trim($_POST["username"]);
                }
            } else {
                echo "Ada kesalahan, coba lain kali";
            }
        }
    }
}
```

```

        // Close statement
        mysqli_stmt_close($stmt);
    }
}

// Validate password
if (empty(trim($_POST["password"]))) {
    $password_err = "Silakan isi password";
} elseif (strlen(trim($_POST["password"])) < 6) {
    $password_err = "Password minimal 6 karakter";
} else {
    $password = trim($_POST["password"]);
}

// Validate confirm password
if (empty(trim($_POST["confirm_password"]))) {
    $confirm_password_err = "Silakan konfirmasi password";
} else {
    $confirm_password = trim($_POST["confirm_password"]);
    if (empty($password_err) && ($password !=
$confirm_password)) {
        $confirm_password_err = "Password tidak cocok";
    }
}

// Check input errors before inserting in database
if (empty($username_err) && empty($password_err) &&
empty($confirm_password_err)) {

    // Prepare an insert statement
    $sql = "INSERT INTO tb_user (username, password) VALUES (?,
?)";

    if ($stmt = mysqli_prepare($link, $sql)) {
        // Bind variables to the prepared statement as
parameters
        mysqli_stmt_bind_param($stmt, "ss", $param_username,
$param_password);

        // Set parameters
        $param_username = $username;
        $param_password = password_hash($password,
PASSWORD_DEFAULT); // Creates a password hash

```



```

        // Attempt to execute the prepared statement
        if (mysqli_stmt_execute($stmt)) {
            // Redirect to login page
            header("location: login.php");
        } else {
            echo "Oops! Something went wrong. Please try again
later.";
        }

        // Close statement
        mysqli_stmt_close($stmt);
    }
}

// Close connection
mysqli_close($link);
}
?>

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

<head>
    <meta charset="UTF-8">
    <title>Sign Up</title>
    <link rel="stylesheet" href="assets/css/bootstrap.min.css">
    <style>
        body,
        html {
            font: 14px sans-serif;
            height: 100%;
        }

        .wrapper {
            width: 400px;
            padding: 20px;
        }

        .bgimg {
            background: url('assets/img/bg.jpg');
            background-repeat: no-repeat !important;
            background-size: cover;
            background-position: center;
        }
    </style>

```

```

</head>

<body class="bgimg">
  <div class="wrapper mx-auto">
    <div class="card">
      <div class="card-header">
        <h2>Sign Up</h2>
        <p>Silakan isi form di bawah ini untuk mendaftar</p>
      </div>
      <div class="card-body">
        <form action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]); ?>" method="post">
          <div class="form-group">
            <label>Username</label>
            <input type="text" name="username"
              class="form-control <?php echo
(!empty($username_err)) ? 'is-invalid' : ''; ?>"
              value="<?php echo $username; ?>">
            <span class="invalid-feedback"><?php echo
$username_err; ?></span>
          </div>
          <div class="form-group">
            <label>Password</label>
            <input type="password" name="password"
              class="form-control <?php echo
(!empty($password_err)) ? 'is-invalid' : ''; ?>"
              value="<?php echo $password; ?>">
            <span class="invalid-feedback"><?php echo
$password_err; ?></span>
          </div>
          <div class="form-group">
            <label>Confirm Password</label>
            <input type="password"
              name="confirm_password"
              class="form-control <?php echo
(!empty($confirm_password_err)) ? 'is-invalid' : ''; ?>"
              value="<?php echo $confirm_password;
?>">
            <span class="invalid-feedback"><?php echo
$confirm_password_err; ?></span>
          </div>
          <div class="form-group">
            <input type="submit" class="btn btn-primary"
              value="Submit">

```

```
                <input type="reset" class="btn btn-secondary
ml-2" value="Reset">
            </div>
            <p>Sudah punya akun? <a href="login.php">Login
di sini</a>.</p>
        </form>
    </div>
</div>
</div>
</body>

</html>
```

Lampiran 14. Coding Logout.php

```
<?php
// Initialize the session
session_start();

// Unset all of the session variables
$_SESSION = array();

// Destroy the session.
session_destroy();

// Redirect to login page
header("location: login.php");
exit;
?>
```