

LAMPIRAN

Login.php

```
<!-- Proses Login -->
<?php
session_start();
require "config.php";

if (isset($_POST["submit"])) {

    $username =
$_POST["username"];
    $pass = md5($_POST["pass"]);

    $sql = "SELECT*FROM users
WHERE     username='$username'
AND pass='$pass'";
    $result = $conn->query($sql);
    $row = $result->fetch_assoc();
    if ($result->num_rows > 0) {

        $_SESSION['username'] =
$row["username"];
        $_SESSION['level'] =
$row["level"];
        $_SESSION['status'] = "y";

        header("Location:index.php");
    } else {
        header("Location:?msg=n");
    }
}
$conn->close();
?>

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1.0">
    <meta http-equiv="X-UA-
Compatible" content="ie=edge">
```

```
<title>LOGIN</title>

    <link rel="stylesheet"
href="assets/css/bootstrap.min.css">
    <style>
        .card-blue {
            background-color: #0000FF;
/* Warna biru */
            color: #FFFFFF; /* Warna teks
putih untuk kontras */
        }
        .card-blue .card-header, .card-
blue .card-footer {
            background-color: #0000CC;
/* Warna biru yang sedikit lebih
gelap untuk header dan footer */
        }
    </style>
</head>

<body>

    <!-- Validasi Login Gagal -->
    <?php
    if (isset($_GET['msg'])) {
        if ($_GET['msg'] == "n") {
            ?>
            <div class="alert alert-danger"
align="center">
                <a href="#" class="close"
data-dismiss="alert" aria-
label="close">&times;</a>
                <strong>Login
Gagal</strong>
            </div>
            <?php
            }
            ?>

            <div class="container-fluid"
style="margin-top:150px">
                <div class="row">
```

```

        <div class="col-lg-4 offset-lg-4">
            <form method="POST">
                <div class="card border-dark"
                    style="border-color: #0000FF;">
                    <div class="card-header card-blue text-light border-dark"
                        style="background-color: #0000FF; color: #FFFFFF;">
                        <strong>LOGIN</strong>
                    </div>
                    <div class="card-body border">
                        <div class="form-group">
                            <label for="">User Name</label>
                            <input type="text"
                                class="form-control"
                                name="username"
                                autocomplete="off" required>
                            </div>
                            <div class="form-group">
                                <label
                                    for="">Password</label>
                                <input
                                    type="password"
                                    class="form-control"
                                    name="pass"
                                    autocomplete="off" required>
                                </div>
                                <input type="submit"
                                    class="btn card-blue" name="submit"
                                    value="Login">
                                </div>
                            </div>
                        </form>
                    </div>
                </div>
            <script src="assets/js/jquery-3.7.0.min.js"></script>

```

```

        <script
            src="assets/js/bootstrap.min.js"></script>
        </body>
    </html>

```

Logout.php

```

<?php
// Mengaktifkan Session
session_start();

// Menghapus Semua Session
session_destroy();

// Mengalihkan Halaman Sambil
Mengirim Pesan Logout
header("Location:login.php");

```

config.php

```

<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "tutup117";

// Create connection
$conn = new mysqli($servername,
$username, $password, $dbname);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

```

Index.php

```

<?php
date_default_timezone_set("Asia/Jakarta");
// Aktifkan Session
session_start();
require "config.php";
?>

```

```

<!DOCTYPE html>

```

```

<html lang="en">

<head>
  <meta charset="UTF-8">
    <meta name="viewport"
content="width=device-width,
initial-scale=1.0">
    <meta http-equiv="X-UA-
Compatible" content="ie=edge">
    <title>SAW</title>

    <link rel="stylesheet"
href="assets/css/bootstrap.min.css">
    <link rel="stylesheet"
href="assets/css/datatables.min.css">
    <link rel="stylesheet"
href="assets/css/all.css">
    <link rel="stylesheet"
href="assets/css/bootstrap-
chosen.css">

    <style>
      .navbar {
        background-color: #0000FF
!important;
        border-bottom: 2px solid
#28a745;
      }

      .navbar-brand {
        font-weight: bold;
        color: #FFFFFF !important;
      }

      .navbar-nav .nav-link {
        color: #FFFFFF !important;
        transition: color 0.3s ease;
      }

      .navbar-nav .nav-link:hover {
        color: #0000FF !important;
      }

      .navbar-nav .nav-item.active
.nav-link {
        font-weight: bold;
        color: #0000FF !important;
      }

      .navbar-nav .nav-link i {
        margin-right: 5px;
      }

      .navbar-toggler {
        border: none;
      }

      .navbar-toggler-icon {
        background-image:
url('data:image/svg+xml;charset=utf
8,%3Csvg viewBox="0 0 30 30"
xmlns="http://www.w3.org/2000/svg
"%3E%3Cpath stroke="rgba%28220,
53, 69, 1%29" stroke-width="2"
linecap="round" linejoin="round"
d="M4 7h22M4 15h22M4
23h22"/%3E%3C/svg%3E');
      }

      .shadow-sm {
        box-shadow: 0 .125rem .25rem
rgba(0, 0, 0, .075) !important;
      }

      .card-blue {
        background-color: #0000FF;
        /* Warna biru */
        color: #FFFFFF; /* Warna teks
putih untuk kontras */
      }

      .card-blue .card-header, .card-
blue .card-footer {
        background-color: #0000CC;
        /* Warna biru yang sedikit lebih
gelap untuk header dan footer */
      }

      .thead-blue {
        background-color: #0000FF;
        /* Warna biru */
        color: #FFFFFF; /* Warna teks
putih untuk kontras */

```

```

    }
    .card-blue .card-header, .card-
blue .card-footer {
        background-color: #0000CC;
    /* Warna biru yang sedikit lebih
gelap untuk header dan footer */
    }
</style>
<!-- <style type="text/css">
    body {
        background: url('bg.jpg');
    }
</style>-->
</head>

<body>
    <!-- Cek Status Login Atau Belum
-->
    <?php
    if ($_SESSION['status'] != "y") {
        header("Location:login.php");
    }
    ?>
    <!-- START MENU -->
    <nav class="navbar navbar-
expand-lg navbar-light text-light bg-
light fixed-top shadow-sm">
        <a class="navbar-brand"
href="index.php"><i class="fas fa-
store-alt"></i> SPK Lokasi
Usaha</a>
        <button class="navbar-toggler"
type="button" data-toggle="collapse"
data-target="#navbarNav" aria-
controls="navbarNav" aria-
expanded="false" aria-label="Toggle
navigation">
            <span class="navbar-toggler-
icon"></span>
        </button>
        <div class="collapse navbar-
collapse" id="navbarNav">
            <ul class="navbar-nav mr-
auto">
                <li class="nav-item"><a
class="nav-link"
href="index.php"><i class="fas fa-
home"></i> Home</a></li>
                <li class="nav-item"><a
class="nav-link"
href="?page=kriteria"><i class="fas
fa-list-alt"></i> Kriteria</a></li>
                <li class="nav-item"><a
class="nav-link"
href="?page=lokasi"><i class="fas
fa-map-marker-alt"></i>
Lokasi</a></li>
                <li class="nav-item"><a
class="nav-link"
href="?page=penilaian_saw"><i
class="fas fa-check-square"></i>
Penilaian</a></li>
                <li class="nav-item"><a
class="nav-link"
href="?page=perangkingan_saw"><i
class="fas fa-trophy"></i>
Perangkingan</a></li>
            </ul>
            <ul class="navbar-nav ml-
auto">
                <li class="nav-item"><a
class="nav-link"
href="?page=logout"><i class="fas
fa-sign-out-alt"></i>
Logout</a></li>
            </ul>
        </div>
    </nav>
    <!-- END MENU -->

    <div class="container"
style="margin-top:100px;margin-
bottom:100px">
        <?php
        // Pengaturan MENU
        $page = isset($_GET['page']) ?
$_GET['page'] : "";
        $action = isset($_GET['action'])
? $_GET['action'] : "";

        // ADMIN
        if ($page == "") {

```

```

        include "welcome.php";
    } elseif ($page == "lokasi") {
        if ($action == "") {
            include "tampil_lokasi.php";
        } elseif ($action == "tambah")
    {
        include "mapbox.php";
    } else {
        include "hapus_lokasi.php";
    }
    } elseif ($page == "kriteria") {
        if ($action == "") {
            include
"admin/tampil_kriteria.php";
        } elseif ($action == "tambah")
    {
        include
"admin/tambah_kriteria.php";
        } elseif ($action == "update")
    {
        include
"admin/update_kriteria.php";
        } else {
            include
"admin/hapus_kriteria.php";
        }
    }
    // END ADMIN
    // START METODE
        elseif ($page ==
"penilaian_saw") {
            if ($action == "") {
                include
"zmetode/penilaian_saw.php";
            } elseif ($action == "update")
    {
                include
"zmetode/update_penilaian.php";
            } else {
                include
"zmetode/hapus_penilaian.php";
            }
        } elseif ($page ==
"perangkingan_saw") {
            if ($action == "") {

```

```

            include
"zmetode/perangkingan_saw.php";
        }
    } elseif ($page == "pendaftaran")
    {
        if ($action == "tambah") {
            include
"zmetode/tambah_pendaftaran.php";
        }
    }
    // END METODE
    else {
        if ($action == "") {
            include "logout.php";
        }
    }
    ?>
</div>

<script src="assets/js/jquery-
3.7.0.min.js"></script>
<script
src="assets/js/bootstrap.bundle.min.j
s"></script>
<script
src="assets/js/all.js"></script>
<script
src="assets/js/datatables.min.js"></s
cript>
<script
src="https://code.jquery.com/jquery-
3.3.1.slim.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/aja
x/libs/popper.js/1.14.7/umd/popper.
min.js"></script>
<script
src="https://stackpath.bootstrapcdn.c
om/bootstrap/4.3.1/js/bootstrap.min.j
s"></script>
<script>
    $(document).ready(function() {
        $('#myTable').dataTable();
    });
</script>

```

```

<script
src="assets/js/chosen.jquery.min.js">
</script>
<script>
    $(function() {
        $('chosen').chosen();
    });
</script>

</body>

</html>

```

Lokasi.php

```

<?php
require("config.php");

if (isset($_GET['tambah_lokasi'])) {
    tambah_lokasi();
}

function tambah_lokasi()
{
    global $conn;

    $lat = $_GET['latitude'];
    $lng = $_GET['longitude'];
    $alternatif = $_GET['alternatif'];
    $nama = $_GET['nama']; // Baris
    // tambahan untuk mendapatkan nilai
    // 'nama'

    // Inserts new row with place data.
    $query = sprintf(
        "INSERT INTO lokasi " .
        " (idl, latitude, longitude,
alternatif, nama) " . // Menambahkan
'nama' ke daftar kolom
        " VALUES (NULL, '%s', '%s',
'%s', '%s');", // Menambahkan '%s'
untuk 'nama'
        mysqli_real_escape_string($conn, $lat),
        mysqli_real_escape_string($conn, $lng),

```

```

        mysqli_real_escape_string($conn, $alternatif),
        mysqli_real_escape_string($conn, $nama) // Menambahkan 'nama' ke
daftar nilai
    );

```

```

    $result = mysqli_query($conn,
$query);
    echo json_encode("Data Lokasi
Berhasil Di Simpan");

```

```

    if (!$result) {
        die('Invalid query: ' .
mysqli_error($conn));
    }
}

```

```

function get_lokasi()
{
    global $conn;

```

```

    $sqldata = mysqli_query($conn,
"SELECT longitude, latitude,
alternatif, nama FROM lokasi"); //
Menambahkan 'nama' ke SELECT

```

```

    $rows = array();

    while ($r =
mysqli_fetch_assoc($sqldata)) {
        $rows[] = $r;
    }

```

```

    $indexed =
array_map('array_values', $rows);

```

```

    echo json_encode($indexed);

```

```

    if (!$rows) {
        return null;
    }
}

```

Mapbox.php

```

<?php

```

```

include 'model_lokasi.php';
?>
<!DOCTYPE html>
<html>

<head>
  <style>
    #map {
      height: 550px;
      top: 20px;
      position: relative;
      width: 100%;
    }

    .geocoder {
      position: relative;
      margin-bottom: 20px;
    }

    .card-form {
      margin-top: 20px;
    }
  </style>

  <link
href='https://api.tiles.mapbox.com/mapbox-gl-js/v0.48.0/mapbox-gl.css'
rel='stylesheet' />
  <link      rel='stylesheet'
href='https://api.mapbox.com/mapbox-gl-js/plugins/mapbox-gl-geocoder/v2.3.0/mapbox-gl-geocoder.css' type='text/css' />
  <link      rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
  <style>
    .navbar {
      background-color: #0000FF
!important;
      border-bottom: 2px solid
#28a745;
    }

    .navbar-brand {
        font-weight: bold;
        color: #FFFFFF !important;
    }

    .navbar-nav .nav-link {
      color: #FFFFFF !important;
      transition: color 0.3s ease;
    }

    .navbar-nav .nav-link:hover {
      color: #0000FF !important;
    }

    .navbar-nav .nav-item.active
.nav-link {
      font-weight: bold;
      color: #0000FF !important;
    }

    .navbar-nav .nav-link i {
      margin-right: 5px;
    }

    .navbar-toggler {
      border: none;
    }

    .navbar-toggler-icon {
      background-image:
url('data:image/svg+xml;charset=utf
8,%3Csvg viewBox="0 0 30 30"
xmlns="http://www.w3.org/2000/svg
"%3E%3Cpath stroke="rgba%28220,
53, 69, 1%29" stroke-width="2"
linecap="round" linejoin="round"
d="M4 7h22M4 15h22M4
23h22"/%3E%3C/svg%3E');
    }

    .shadow-sm {
      box-shadow: 0 .125rem .25rem
rgba(0, 0, 0, .075) !important;
    }

    .card-blue {

```

```

        background-color: #0000FF;
/* Warna biru */
        color: #FFFFFF; /* Warna teks
putih untuk kontras */
    }
    .card-blue .card-header, .card-
blue .card-footer {
        background-color: #0000CC;
/* Warna biru yang sedikit lebih
gelap untuk header dan footer */
    }
    .thead-blue .btn-blue{
        background-color: #0000FF;
/* Warna biru */
        color: #FFFFFF; /* Warna teks
putih untuk kontras */
    }
    .card-blue .card-header, .card-
blue .card-footer .btn-blue {
        background-color: #0000CC;
/* Warna biru yang sedikit lebih
gelap untuk header dan footer */
    }
</style>
</head>

<body>
    <div class="container">
        <div class="row">
            <div class="col-md-6">
                <form action=""
id="signupForm" class="card-
form">
                    <div class="card border-
dark">
                        <div class="card-header
card-blue text-white border-dark">
                            <strong>Input Data
Lokasi</strong>
                        </div>
                        <div class="card-
body">
                            <div class="form-
group">
                                <label
for="latitude">Latitude</label>

```

```

                                <input type="text"
class="form-control" id="latitude"
name="latitude"
placeholder="Latitude.." required>
                            </div>
                            <div class="form-
group">
                                <label
for="longitude">Longitude</label>
                                <input type="text"
class="form-control" id="longitude"
name="longitude"
placeholder="Longitude.." required>
                            </div>
                            <div class="form-
group">
                                <label
for="alternatif">Kode
Alternatif</label>
                                <input type="text"
class="form-control" id="alternatif"
name="alternatif"
placeholder="Alternatif" required>
                            </div>
                            <div class="form-
group">
                                <label
for="lokasi">Nama
Alternatif</label>
                                <input type="text"
class="form-control" id="lokasi"
name="lokasi" placeholder="Nama
Lokasi" required>
                            </div>
                                <input class="btn
card-blue" type="submit"
value="Simpan">
                            </div>
                        </div>
                    </form>
                </div>
            <div class="col-md-6">
                <div class="geocoder mt-4"
id="geocoder"></div>
                <div id="map"></div>
            </div>
        </div>
    </div>
</body>
</html>

```



```

    </div>
</div>

<script
src='https://api.tiles.mapbox.com/mapbox-gl-js/v0.48.0/mapbox-gl.js'></script>

<script
src='https://api.mapbox.com/mapbox-gl-js/plugins/mapbox-gl-geocoder/v2.3.0/mapbox-gl-geocoder.min.js'></script>

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"></script>

<script>
    var markers = <?= get_lokasi() ?>;
    var lokasi_parepare = [119.6290, -4.0099];

    mapboxgl.accessToken = 'pk.eyJ1IjoiZmFkbHVsbGFoeCIIsImEiOiJjbHI0bmZrejcxYmx0MmpudjVkMzRjbm43In0.O_h7GYI9fXaoHr9XnIN5sg';
    var map = new mapboxgl.Map({
        container: 'map',
        style:
'mapbox://styles/mapbox/streets-v9',
        center: lokasi_parepare,
        zoom: 12
    });

    var geocoder = new
MapboxGeocoder({
    accessToken:
mapboxgl.accessToken,
});

    var marker;

    map.on('load', function() {

```

```

        addMarker(lokasi_parepare,
'load');
        add_markers(markers);

        geocoder.on('result',
function(ev) {
            alert("FIND");
            console.log(ev.result.center
);
        });
    });

    map.on('click', function(e) {
        marker.remove();
        addMarker(e.lngLat, 'click');
        document.getElementById("latititude").value = e.lngLat.lat;
        document.getElementById("longitude").value = e.lngLat.lng;
    });

    function addMarker(latlng, event)
    {
        if (event === 'click') {
            lokasi_parepare = latlng;
        }

        marker = new
mapboxgl.Marker({
            draggable: true,
            color: "#d02922"
        })
        .setLngLat(lokasi_parepare)
        .addTo(map)
        .on('dragend', onDragEnd);
    }

    function
add_markers(coordinates) {
        var geojson = (markers ===
coordinates ? markers : "");
        geojson.forEach(function(marker) {
            new mapboxgl.Marker()
                .setLngLat(marker)
                .addTo(map);
        });
    }

```

```

    }

    function onDragEnd() {
        var lngLat =
marker.getLngLat();
        document.getElementById("l
atitude").value = lngLat.lat;
        document.getElementById("l
ongitude").value = lngLat.lng;
        console.log('longitude: ' +
lngLat.lng + '<br />latitude: ' +
lngLat.lat);
    }

    $('#signupForm').submit(function(
event) {
        event.preventDefault();

        var lat = $('#latitude').val();
        var lng = $('#longitude').val();
        var alternatif =
$('#alternatif').val();
        var namaLokasi =
$('#lokasi').val(); // Menambahkan
pengambilan nilai 'lokasi'
        var url =
'model_lokasi.php?tambah_lokasi&l
atitude=' + lat + '&longitude=' + lng +
'&alternatif=' + alternatif + '&nama='
+ namaLokasi;

        $.ajax({
            url: url,
            method: 'GET',
            dataType: 'json',
            success: function(data) {
                alert(data);
                location.reload();
            }
        });
    });

    document.getElementById('geo
coder').appendChild(geocoder.onAd
d(map));
</script>

```

```
</body>
```

```
</html>
```

Tambah_kriteria.php

```

<?php
if (isset($_POST['simpan'])) {
    // Ambil data dari input
    $nama_k = $_POST['nama_k'];
    $jenis_k = $_POST['jenis_k'];
    $bobot = $_POST['bobot'];
    $nilai_max =
$_POST['nilai_max'];
    $nilai_min = $_POST['nilai_min'];
    $metode = $_POST['metode']; //
Menambah input untuk metode

    // Validasi Data K Berdasarkan
Nama K dan Metode
    $sql = "SELECT * FROM kriteria
WHERE nama_k='$nama_k' AND
metode='$metode'";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        ?>
        <div class="alert alert-danger
alert-dismissible fade show"
role="alert">
            <strong>Data Tidak
Tersimpan Karena Nama K Sudah
Digunakan pada Metode yang
Sama</strong>
            <button type="button"
class="close" data-dismiss="alert"
aria-label="Close">
                <span aria-
hidden="true">&times;</span>
            </button>
        </div>
    <?php
    } else {
        // Proses simpan setelah
divalidasi
        $sql_insert_kriteria = "INSERT
INTO kriteria (nama_k, jenis_k,

```

```

bobot, nilai_max, nilai_min, metode)
VALUES ('$nama_k', '$jenis_k',
'$bobot', '$nilai_max', '$nilai_min',
'$metode');

        if ($conn-
>query($sql_insert_kriteria) ===
TRUE) {
    // Mendapatkan idk yang baru
    ditambahkan
    $new_idk = $conn->insert_id;
    header("Location:?page=krite
ria");
}
}
}
?>

<div class="container mt-5">
    <div class="row justify-content-
center">
        <div class="col-md-8">
            <div class="card border-0
shadow-sm">
                <div class="card-header
card-blue text-white">
                    <strong>Input Data
Kriteria</strong>
                </div>
                <div class="card-body">
                    <form action=""
method="POST">
                        <div class="form-
group">
                            <label
for="metode">Metode</label>
                            <select class="form-
control" name="metode" required>
                                <option
value="SAW">SAW</option>
                            </select>
                        </div>
                        <div class="form-
group">

```

```

                            <label
for="nama_k">Nama
Kriteria</label>
                            <input type="text"
class="form-control"
name="nama_k" maxlength="255"
required>
                        </div>
                    <div class="form-
group">
                        <label
for="jenis_k">Jenis Kriteria</label>
                        <select class="form-
control" name="jenis_k" required>
                            <option
value="benefit">Benefit</option>
                            <option
value="cost">Cost</option>
                        </select>
                    </div>
                    <div class="form-
group">
                        <label
for="bobot">Bobot</label>
                        <input type="text"
class="form-control" name="bobot"
required>
                    </div>
                    <div class="form-
group">
                        <label
for="nilai_max">Nilai Max</label>
                        <input type="text"
class="form-control"
name="nilai_max" required>
                    </div>
                    <div class="form-
group">
                        <label
for="nilai_min">Nilai Min</label>
                        <input type="text"
class="form-control"
name="nilai_min" required>
                    </div>
                    <div class="d-flex
justify-content-between">

```


// Validasi Data K Berdasarkan Nama K dan Metode

```
$sql = "SELECT * FROM kriteria
WHERE nama_k='$nama_k' AND
metode='$metode'";
```

```
$result = $conn->query($sql);
```

```
if ($result->num_rows > 0) {
?>
```

```
<div class="alert alert-danger
alert-dismissible fade show"
role="alert">
```

```
<strong>Data Tidak
Tersimpan Karena Nama K Sudah
Digunakan pada Metode yang
Sama</strong>
```

```
<button type="button"
class="close" data-dismiss="alert"
aria-label="Close">
```

```
<span aria-
hidden="true">&times;</span>
```

```
</button>
```

```
</div>
```

```
<?php
```

```
} else {
```

// Proses simpan setelah divalidasi

```
$sql_insert_kriteria = "INSERT
INTO kriteria (nama_k, jenis_k,
bobot, nilai_max, nilai_min, metode)
VALUES ('$nama_k', '$jenis_k',
'$bobot', '$nilai_max', '$nilai_min',
'$metode')";
```

```
if ($conn-
>query($sql_insert_kriteria) ===
TRUE) {
```

// Mendapatkan idk yang baru ditambahkan

```
$new_idk = $conn->insert_id;
header("Location:?page=krite
ria");
```

```
}
```

```
}
```

```
}
```

```
?>
```

```
<div class="container mt-5">
```

```
<div class="row justify-content-
center">
```

```
<div class="col-md-8">
```

```
<div class="card border-0
shadow-sm">
```

```
<div class="card-header
card-blue text-white">
```

```
<strong>Input Data
Kriteria</strong>
```

```
</div>
```

```
<div class="card-body">
<form action=""
method="POST">
```

```
<div class="form-
group">
```

```
<label
for="metode">Metode</label>
```

```
<select class="form-
control" name="metode" required>
```

```
<option
value="SAW">SAW</option>
```

```
</select>
```

```
</div>
```

```
<div class="form-
group">
```

```
<label
for="nama_k">Nama
Kriteria</label>
```

```
<input type="text"
class="form-control"
name="nama_k" maxlength="255"
required>
```

```
</div>
```

```
<div class="form-
group">
```

```
<label
for="jenis_k">Jenis Kriteria</label>
```

```
<select class="form-
control" name="jenis_k" required>
```

```
<option
value="benefit">Benefit</option>
```

```
<option
value="cost">Cost</option>
```

```

        </select>
    </div>
    <div class="form-
group">
        <label
for="bobot">Bobot</label>
        <input type="text"
class="form-control" name="bobot"
required>
    </div>
    <div class="form-
group">
        <label
for="nilai_max">Nilai Max</label>
        <input type="text"
class="form-control"
name="nilai_max" required>
    </div>
    <div class="form-
group">
        <label
for="nilai_min">Nilai Min</label>
        <input type="text"
class="form-control"
name="nilai_min" required>
    </div>
    <div class="d-flex
justify-content-between">
        <input class="btn
card-blue" type="submit"
name="simpan" value="Simpan">
        <a class="btn btn-
danger"
href="?page=kriteria">Batal</a>
    </div>
</form>
</div>
</div>
</div>
</div>
</div>

```

```

<script
src="https://code.jquery.com/jquery-
3.3.1.min.js"></script>

```

```

<script
src="https://cdnjs.cloudflare.com/aja
x/libs/popper.js/1.14.7/umd/popper.
min.js"></script>
<script
src="https://stackpath.bootstrapcdn.c
om/bootstrap/4.3.1/js/bootstrap.min.j
s"></script>
<script>
    $(document).ready(function() {
        $('#myTable').DataTable();
    });
</script>

<style>
    /* Custom Card Styles */
    .card {
        border-radius: 10px;
    }

    .card-header {
        border-top-left-radius: 10px;
        border-top-right-radius: 10px;
    }

    .form-control {
        border-radius: 5px;
    }

    .btn {
        border-radius: 5px;
    }

    .btn-primary {
        background-color: #0000FF;
        border: none;
    }

    .btn-primary:hover {
        background-color: #0000FF;
    }

    .btn-danger {
        background-color: #dc3545;
        border: none;
    }

```

```
.btn-danger:hover {
    background-color: #c82333;
}

.alert {
    border-radius: 5px;
    margin-top: 10px;
}

.alert .close {
    line-height: 1.5;
}
</style>
```

Update_kriteria.php

```
<?php
if (isset($_POST['update'])) {

    // Ambil Data Dari Input Yang Mau
    Di Update
    $idk = $_POST['idk'];
    $nama_k = $_POST['nama_k'];
    $jenis_k = $_POST['jenis_k'];
    $bobot = $_POST['bobot'];
    $nilai_max = $_POST['nilai_max'];
    $nilai_min = $_POST['nilai_min'];
    $metode = $_POST['metode'];

    // Proses Update Data Kriteria
    $sql = "UPDATE kriteria SET
nama_k='$nama_k',
jenis_k='$jenis_k', bobot='$bobot',
nilai_max='$nilai_max',
nilai_min='$nilai_min',
metode='$metode' WHERE
idk='$idk'";
    if ($conn->query($sql) === TRUE)
    {
        header("Location:?page=kriteria
");
    }
}
```

// Memanggil Data Yang Mau Di Edit

```
$idk = $_GET['idk'];

$sql = "SELECT * FROM kriteria
WHERE idk='$idk'";
$result = $conn->query($sql);
$row = $result->fetch_assoc();
?>

<div class="container mt-5">
    <div class="row justify-content-
center">
        <div class="col-md-8">
            <div class="card border-
dark">
                <div class="card-header
card-blue text-white">
                    <strong>Update Data
Kriteria</strong>
                </div>
                <div class="card-body">
                    <form action=""
method="POST">

                        <input type="hidden"
name="idk" value="<?php echo
$row['idk'] ?>">

                            <div class="form-
group">
                                <label
for="metode">Metode</label>
                                <input type="text"
class="form-control" value="<?php
echo $row['metode'] ?>"
name="metode" readonly>
                            </div>

                                <div class="form-
group">
                                    <label
for="nama_k">Nama
Kriteria</label>
                                    <input type="text"
class="form-control" value="<?php
echo $row['nama_k'] ?>"
```

```

name="nama_k"    maxlength="255"
readonly>
</div>

<div class="form-
group">
<label
for="jenis_k">Jenis Kriteria</label>
<select class="form-
control" name="jenis_k" required>
<option
value="benefit"    <?php    echo
($row["jenis_k"] == "benefit") ?
"selected" : ""; ?>>Benefit</option>
<option
value="cost"       <?php    echo
($row["jenis_k"] == "cost") ?
"selected" : ""; ?>>Cost</option>
</select>
</div>

<div class="form-
group">
<label
for="bobot">Bobot</label>
<input type="text"
class="form-control" value="<?php
echo    $row["bobot"]    ?>"
name="bobot" required>
</div>

<div class="form-
group">
<label
for="nilai_max">Nilai Max</label>
<input type="text"
class="form-control" value="<?php
echo    $row["nilai_max"]    ?>"
name="nilai_max" required>
</div>

<div class="form-
group">
<label
for="nilai_min">Nilai Min</label>

```

```

<input type="text"
class="form-control" value="<?php
echo    $row["nilai_min"]    ?>"
name="nilai_min" required>
</div>

<div class="d-flex
justify-content-between">
<input class="btn
card-blue"        type="submit"
name="update" value="Update">
<a class="btn btn-
danger"
href="?page=kriteria">Batal</a>
</div>
</form>
</div>
</div>
</div>
</div>
</div>

```

Penilaian_saw.php

```

<?php
// Mengambil data alternatif
$alternatives = array();
$sql_alternatives = 'SELECT *
FROM pendaftaran';
$data_alternatives = $conn-
>query($sql_alternatives);
while ($row_alternatives =
$data_alternatives->fetch_object()) {
    $alternatives[$row_alternatives-
>iddaftar] = $row_alternatives-
>name;
}

// Mengambil data kriteria dengan
metode SAW
$criteria_data = array();
$bobot = array();
$sql_criteria = 'SELECT * FROM
kriteria WHERE metode = "SAW"';
$data_criteria = $conn-
>query($sql_criteria);

```



```

while ($row_criteria = $data_criteria-
>fetch_object()) {
    $criteria_data[$row_criteria->idk]
=      array($row_criteria->nama_k,
$row_criteria->jenis_k);
    $bobot[$row_criteria->idk] =
$row_criteria->bobot;
}

```

```

// Mengambil data matriks keputusan
$i = 1;
$decision_matrix = array();
$sql_decision_matrix = 'SELECT *
FROM perangkingan WHERE idk IN
(SELECT idk FROM kriteria
WHERE metode = "SAW")';
$data_decision_matrix = $conn-
>query($sql_decision_matrix);
$min_values = array();
$max_values = array();
$sql_kriteria_values = 'SELECT idk,
MIN(nilai_min) AS nilai_min,
MAX(nilai_max) AS nilai_max
FROM kriteria WHERE metode =
"SAW" GROUP BY idk';
$data_kriteria_values = $conn-
>query($sql_kriteria_values);
while ($row_kriteria_values =
$data_kriteria_values-
>fetch_object()) {
    $min_values[$row_kriteria_values-
->idk] = $row_kriteria_values-
->nilai_min;
    $max_values[$row_kriteria_value
s->idk] = $row_kriteria_values-
->nilai_max;
}
while ($row_decision_matrix =
$data_decision_matrix-
>fetch_object()) {
    $j = $row_decision_matrix->idk;
    $v = $row_decision_matrix-
>value;
    $decision_matrix[$row_decision_
matrix->iddaftar][$j] = $v;
}

```

```
?>
```

```

<div class="card">
    <div class="card-header card-blue
text-white border-dark">
        <strong>Data Pendaftaran
SAW</strong>
    </div>
    <div class="card-body">
        <a class="btn card-blue mb-2"
href="?page=pendaftaran&action=ta
mbah">Tambah</a>
        <table class="table table-
bordered table-striped"
id="myTable">
            <thead>
                <tr>
                    <th>NO</th>
                    <th>Nama</th>
                    <?php foreach
($criteria_data as $id => $detail) : ?>
                        <th><?=$detail[0]
?></th>
                    <?php endforeach; ?>
                    <th>Aksi</th>
                </tr>
            </thead>
            <tbody>
                <?php foreach
($decision_matrix as $iddaftar =>
$criteria_values) : ?>
                    <tr>
                        <td><?php echo $i++
?></td>
                        <td><?=$
isset($alternatives[$iddaftar]) ?
$alternatives[$iddaftar] : "; ?></td>
                        <?php foreach
($criteria_values as $idk => $value) :
?>
                            <td>
                                <span class="text-
black"><?=$value ?></span>
                                <a
href="?page=penilaian_saw&action=

```

```

update&idd=<?=$iddaftar
?>&idk=<?=$idk ?>" class="ml-2">
    <span class="fas
fa-edit text-dark"></span>
    </a>
</td>
<?php endforeach; ?>
<td>
    <a onclick="return
confirm('Yakin Ingin Menghapus
Data ini ?')" class="btn btn-danger"
href="?page=penilaian_saw&action=
hapus&iddaftar=<?php echo
$iddaftar; ?>">
    <span class="fas
fa-trash-alt"></span>
    </a>
</td>
</tr>
<?php endforeach; ?>
</tbody>
</table>
</div>
</div>

```

Hapus_penilaian.php

```

<?php
$iddaftar = $_GET['iddaftar'];

// Hapus data di tabel pendaftaran
$sql_pendaftaran = "DELETE FROM
pendaftaran WHERE
iddaftar='$iddaftar'";
if ($conn->query($sql_pendaftaran)
=== TRUE) {
    // Hapus data di tabel
    perangkingan yang memiliki iddaftar
    yang sama
    $sql_perangkingan = "DELETE
    FROM perangkingan WHERE
    iddaftar='$iddaftar'";
    $conn-
    >query($sql_perangkingan);

    header("Location:?page=penilaian
    _saw");
}

```

```

    exit(); // Pastikan untuk keluar
    setelah header redirect
} else {
    echo '<div class="alert alert-
    danger" role="alert">Error: ' . $conn-
    >error . '</div>';
}

$conn->close();

```

Tambah_pendaftaran.php

```

<?php
// Fungsi untuk mendapatkan iddaftar
yang belum digunakan
function
getAvailableIdDaftar($conn)
{
    $sql = "SELECT iddaftar FROM
    pendaftaran ORDER BY iddaftar";
    $result = $conn->query($sql);

    if ($result->num_rows > 0) {
        $currentIdDaftar = 1;

        while ($row = $result-
        >fetch_assoc()) {
            if ($row['iddaftar'] !=
            $currentIdDaftar) {
                return $currentIdDaftar;
            }

            $currentIdDaftar++;
        }

        return $currentIdDaftar;
    }

    // Ambil data idl, nama, latitude, dan
    longitude dari tabel lokasi
    $getLokasi = "SELECT idl, nama,
    latitude, longitude FROM lokasi";
    $Lokasi = $conn-
    >query($getLokasi);

    // Proses tambah pendaftaran
}

```

```

if (isset($_POST['simpan'])) {
    $ambilidl = $_POST['idl'];

    // Ambil data nama, latitude, dan
    longitude dari tabel lokasi
    berdasarkan idl yang dipilih
    $sqlDataLokasi = "SELECT nama,
    latitude, longitude FROM lokasi
    WHERE idl = '$ambilidl'";
    $DataLokasi = $conn-
    >query($sqlDataLokasi);

    if ($DataLokasi->num_rows > 0) {
        $rowDataLokasi = $DataLokasi-
        >fetch_assoc();
        $name =
        $rowDataLokasi['nama'];
        $latitude =
        $rowDataLokasi['latitude'];
        $longitude =
        $rowDataLokasi['longitude'];

        // Mendapatkan iddaftar yang
        belum digunakan
        $lastInsertedId =
        getAvailableIdDaftar($conn);

        // Tambahkan data pendaftaran
        ke tabel pendaftaran
        $sqlPendaftaran = "INSERT
        INTO pendaftaran (iddaftar, name,
        latitude, longitude) VALUES
        ('$lastInsertedId', '$name', '$latitude',
        '$longitude')";

        if ($conn-
        >query($sqlPendaftaran) === TRUE)
        {
            echo "Data pendaftaran
            berhasil disimpan.";

            // Ambil semua data kriteria
            dari tabel kriteria
            $sqlKriteria = "SELECT idk
            FROM kriteria";

            $resultKriteria = $conn-
            >query($sqlKriteria);

            if ($resultKriteria->num_rows
            > 0) {
                while ($rowKriteria =
                $resultKriteria->fetch_assoc()) {
                    $idk = $rowKriteria['idk'];

                    // Tambahkan data ke
                    tabel perangkingan dengan nilai 0
                    $sqlPerangkingan =
                    "INSERT INTO perangkingan
                    (iddaftar, idk, value) VALUES
                    ('$lastInsertedId', '$idk', 0)";

                    if ($conn-
                    >query($sqlPerangkingan) !==
                    TRUE) {
                        echo "Error: " .
                        $sqlPerangkingan . "<br>" . $conn-
                        >error;
                    }
                }

                echo "Data perangkingan
                berhasil disimpan.";
                header("Location:?page=p
                enilaian_saw");
            } else {
                echo "Tidak ada data
                kriteria.";
            }
        } else {
            echo "Error: " .
            $sqlPendaftaran . "<br>" . $conn-
            >error;
        }
    } else {
        echo "Data lokasi tidak
        ditemukan untuk idl tersebut.";
    }
}
?>

<!DOCTYPE html>
<html>

```

```

<head>
  <title>Form Pendaftaran</title>
  <style>
    .navbar {
      background-color: #0000FF
!important;
      border-bottom: 2px solid
#28a745;
    }

    .navbar-brand {
      font-weight: bold;
      color: #FFFFFF !important;
    }

    .navbar-nav .nav-link {
      color: #FFFFFF !important;
      transition: color 0.3s ease;
    }

    .navbar-nav .nav-link:hover {
      color: #0000FF !important;
    }

    .navbar-nav .nav-item.active
.nav-link {
      font-weight: bold;
      color: #0000FF !important;
    }

    .navbar-nav .nav-link i {
      margin-right: 5px;
    }

    .navbar-toggler {
      border: none;
    }

    .navbar-toggler-icon {
      background-image:
url('data:image/svg+xml;charset=utf
8,%3Csvg viewbox="0 0 30 30"
xmlns="http://www.w3.org/2000/svg
"%3E%3Cpath stroke="rgba%28220,
53, 69, 1%29" stroke-width="2"
linecap="round" linejoin="round"
d="M4 7h22M4 15h22M4
23h22"/%3E%3C/svg%3E');
    }

    .shadow-sm {
      box-shadow: 0 .125rem .25rem
rgba(0, 0, 0, .075) !important;
    }

    .card-blue {
      background-color: #0000FF;
/* Warna biru */
      color: #FFFFFF; /* Warna teks
putih untuk kontras */
    }

    .card-blue .card-header, .card-
blue .card-footer {
      background-color: #0000CC;
/* Warna biru yang sedikit lebih
gelap untuk header dan footer */
    }

    .card-yellow {
      background-color: #FFFF00;
/* Warna biru */
      color: #FFFFFF; /* Warna teks
putih untuk kontras */
    }

    .card-yellow .card-header, .card-
yellow .card-footer {
      background-color: #0000CC;
/* Warna biru yang sedikit lebih
gelap untuk header dan footer */
    }
  </style>
</head>

<body>
  <div class="container mt-5">
    <div class="card">
      <div class="card-header card-
blue text-white">
        <strong>Form
Pendaftaran</strong>
      </div>

```

```

        <div class="card-body">
            <form action=""
method="POST">
                <div class="form-group">
                    <label
for="idl">Lokasi:</label>
                    <select class="form-
control" name="idl" required>
                        <?php
                            while ($row_lokasi
= $Lokasi->fetch_assoc()) {
                                echo "<option
value="" . $row_lokasi['idl'] . ">" .
$row_lokasi['nama'] . "</option>";
                            }
                        ?>
                    </select>
                </div>
                <button type="submit"
name="simpan" class="btn card-
blue">Simpan</button>
            </form>
        </div>
    </div>
</div>

```

```

        <script
src="https://code.jquery.com/jquery-
3.5.1.slim.min.js"></script>
        <script
src="https://cdn.jsdelivr.net/npm/@p
opperjs/core@2.5.4/dist/umd/popper.
min.js"></script>
        <script
src="https://stackpath.bootstrapcdn.c
om/bootstrap/4.5.2/js/bootstrap.min.j
s"></script>
    </body>

```

```
</html>
```

Update_penilaian.php

```

<?php
if (isset($_POST['update'])) {
    $iddaftar = $_POST['iddaftar'];
    $sidk = $_POST['idk'];

```

```

    $value = $_POST['value'];

    // Pastikan memakai prepared
statement untuk menghindari SQL
injection
    $sql_update = "UPDATE
perangkingan SET value = ? WHERE
iddaftar = ? AND idk = ?";
    $stmt = $conn-
>prepare($sql_update);

    if ($stmt) {
        // Bind parameter
        $stmt->bind_param("iii", $value,
$iddaftar, $idk);

        // Eksekusi statement
        if ($stmt->execute()) {
            echo "<div class='alert alert-
success' role='alert'>Perubahan
berhasil disimpan.</div>";
            echo
'<script>window.history.go(-
2);</script>';
        } else {
            echo "<div class='alert alert-
danger' role='alert'>Error: " . $stmt-
>error . "</div>";
        }

        // Tutup statement
        $stmt->close();
    } else {
        echo "<div class='alert alert-
danger' role='alert'>Error: " . $conn-
>error . "</div>";
    }
}

```

```

if (isset($_GET['idd']) &&
isset($_GET['idk'])) {
    $iddaftar = $_GET['idd'];
    $idk = $_GET['idk'];
    $sql_perangkingan = "SELECT *
FROM perangkingan WHERE
iddaftar = ? AND idk = ?";

```

```

        $stmt      =      $conn-
>prepare($sql_perangkingan);
        $stmt->bind_param("ii", $iddaftar,
        $idk);
        $stmt->execute();
        $result_perangkingan = $stmt-
>get_result();

```

```

        if      ($result_perangkingan-
>num_rows > 0) {
                $perangkingan      =
        $result_perangkingan-
>fetch_object();
?>

```

```

<!DOCTYPE html>
<html>

```

```

<head>

```

```

                <title>Update
        Perangkingan</title>
                <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.
        com/bootstrap/4.5.2/css/bootstrap.mi
        n.css">

```

```

        <style>
        .navbar {
                background-color: #0000FF
!important;
                border-bottom: 2px solid
        #28a745;
        }

```

```

        .navbar-brand {
                font-weight: bold;
                color: #FFFFFF !important;
        }

```

```

        .navbar-nav .nav-link {
                color: #FFFFFF !important;
                transition: color 0.3s ease;
        }

```

```

        .navbar-nav .nav-link:hover {
                color: #0000FF !important;

```

```

        }

```

```

        .navbar-nav .nav-item.active
        .nav-link {
                font-weight: bold;
                color: #0000FF !important;
        }

```

```

        .navbar-nav .nav-link i {
                margin-right: 5px;
        }

```

```

        .navbar-toggler {
                border: none;
        }

```

```

        .navbar-toggler-icon {
                background-image:
        url('data:image/svg+xml;charset=utf
        8,%3Csvg viewBox="0 0 30 30"
        xmlns="http://www.w3.org/2000/svg
        "%3E%3Cpath stroke="rgba%28220,
        53, 69, 1%29" stroke-width="2"
        linecap="round" linejoin="round"
        d="M4 7h22M4 15h22M4
        23h22"/%3E%3C/svg%3E');
        }

```

```

        .shadow-sm {
                box-shadow: 0 .125rem .25rem
        rgba(0, 0, 0, .075) !important;
        }

```

```

        .card-blue {
                background-color: #0000FF;
        /* Warna biru */
                color: #FFFFFF; /* Warna teks
        putih untuk kontras */
        }

```

```

        .card-blue .card-header, .card-
        blue .card-footer {
                background-color: #0000CC;
        /* Warna biru yang sedikit lebih
        gelap untuk header dan footer */
        }

```

```

        .card-yellow {

```

```

        background-color: #FFFF00;
/* Warna biru */
        color: #FFFFFF; /* Warna teks
putih untuk kontras */
    }
    .card-yellow .card-header, .card-
yellow .card-footer {
        background-color: #0000CC;
/* Warna biru yang sedikit lebih
gelap untuk header dan footer */
    }
</style>
</head>

<body>
    <div class="container mt-5">
        <div class="card">
            <div class="card-header
card-blue text-white">
                <strong>Update
Perangkingan</strong>
            </div>
            <div class="card-body">
                <form action=""
method="post"
onsubmit="calculateValue()">
                    <input type="hidden"
name="iddaftar" value="<?=
htmlspecialchars($perangkingan-
>iddaftar) ?>">
                    <input type="hidden"
name="idk" value="<?=
htmlspecialchars($perangkingan-
>idk) ?>">

                    <?php
                    if ($perangkingan-
>idk == 1) {
                        ?>
                        <div class="form-
group">
                            <label
for="value">Nilai:</label>
                            <select
class="form-control" name="value">

```

```

                                <option
value="4" <?= ($perangkingan-
>value == 4) ? 'selected' : "
?>>2.100.000.000
                                -
                                2.200.000.000</option>
                                <option
value="3" <?= ($perangkingan-
>value == 3) ? 'selected' : "
?>>1.200.000.000
                                -
                                1.450.000.000</option>
                                <option
value="2" <?= ($perangkingan-
>value == 2) ? 'selected' : "
?>>850.000.000
                                -
                                950.000.000</option>
                                <option
value="1" <?= ($perangkingan-
>value == 1) ? 'selected' : "
?>>500.000.000 - 700.000.000
                                </option>
                                </select>
                                <h4>Keterangan
Nilai Bobot Kriteria Harga</h4>
                                <p>500.000.000
- 700.000.000 = 1</p>
                                <p>850.000.000
- 950.000.000 = 2</p>
                                <p>1.200.000.
000 - 1.450.000.000 = 3</p>
                                <p>2.100.000.
000 - 2.200.000.000 = 4</p>
                                </div>
                                <?php
                                } elseif
($perangkingan->idk == 2) {
                                    ?>
                                    <div class="form-
group">
                                        <label
for="value">Nilai:</label>
                                        <input
type="text" class="form-control"
name="value" value="<?=
htmlspecialchars($perangkingan-
>value) ?>">

```

```

        </div>
    <?php
        } elseif
($perangkingan->idk == 3) {
        ?>
        <div class="form-
group">
            <label
for="value">Nilai:</label>
            <select
class="form-control" name="value">
                <option
value="1" <?= ($perangkingan-
>value == 1) ? 'selected' : " ?>>Y ≥ 5
KM</option>
                <option
value="2" <?= ($perangkingan-
>value == 2) ? 'selected' : " ?>>3 KM
≤ Y ≤ 5 KM</option>
                <option
value="3" <?= ($perangkingan-
>value == 3) ? 'selected' : " ?>>1 KM
≤ Y ≤ 3 KM</option>
                <option
value="4" <?= ($perangkingan-
>value == 4) ? 'selected' : " ?>>500 ≤
Y 1 KM</option>
                <option
value="5" <?= ($perangkingan-
>value == 5) ? 'selected' : " ?>>Y ≤
500 M</option>
            </select>
            <h4>Keterangan
Nilai Bobot Kriteria Pasar
Sasaran</h4>
            <p>Y ≤ 500m
= 5
            <p>
            <p>500m ≤ 1
Km = 4
            <p>
            <p>1Km ≤ 3Km
= 3
            <p>
            <p>3Km ≤ 5Km
= 2

```

```

        <p>Y ≥ 5Km =
1</p>
    </div>
    <?php
        } elseif
($perangkingan->idk == 34) {
        ?>
        <div class="form-
group">
            <label
for="value">Nilai:</label>
            <select
class="form-control" name="value">
                <option
value="1" <?= ($perangkingan-
>value == 1) ? 'selected' : " ?>>Tidak
Aman</option>
                <option
value="2" <?= ($perangkingan-
>value == 2) ? 'selected' : "
?>>Sedang</option>
                <option
value="3" <?= ($perangkingan-
>value == 3) ? 'selected' : " ?>>Sangat
Aman</option>
            </select>
            <h4>Keterangan
Nilai Bobot Kriteria Keamanan</h4>
            <p>Sangat
Aman (Gembok + Pagar + CCTV) =
3
            <p>
            <p>Kurang
Aman (Gembok + Pagar) = 2
            <p>
            <p>Tidak Aman
(Gembok) = 1</p>
        </div>
    <?php
        } elseif
($perangkingan->idk == 4) {
        ?>
        <div class="form-
group">

```



```

                                <label
for="value">Nilai:</label>
                                <select
class="form-control" name="value">
                                <option
value="1"    <?= ($perangkingan-
>value == 1) ? 'selected' : " ?>>Tidak
Lengkap</option>
                                <option
value="2"    <?= ($perangkingan-
>value == 2) ? 'selected' : "
?>>Cukup</option>
                                <option
value="3"    <?= ($perangkingan-
>value == 3) ? 'selected' : "
?>>Lengkap</option>
                                </select>
                                <h4>Keterangan
Nilai  Bobot  Kriteria  Fasilitas
Umum</h4>
                                <p>Lengkap =
3
                                <p>
                                <p>Cukup = 2
                                <p>
                                <p>Tidak
Lengkap = 1</p>
                                </div>
                                <?php
                                } elseif
($perangkingan->idk == 5) {
                                ?>
                                <div class="form-
group">
                                <label
for="value">Nilai:</label>
                                <select
class="form-control" name="value">
                                <option
value="1"    <?= ($perangkingan-
>value == 1) ? 'selected' : " ?>>Tidak
Ramai</option>
                                <option
value="2"    <?= ($perangkingan-
>value == 2) ? 'selected' : " ?>>Cukup
Ramai</option>
                                <option
value="3"    <?= ($perangkingan-
>value == 3) ? 'selected' : " ?>>Sangat
Ramai</option>
                                </select>
                                <h4>Keterangan
Nilai  Bobot  Kriteria  Tingkat
Keramaian</h4>
                                <p>Sangat
Ramai = 3
                                <p>
                                <p>Cukup
Ramai = 2
                                <p>
                                <p>Tidak Ramai
= 1</p>
                                </div>
                                <?php
                                } else {
                                ?>
                                <div class="form-
group">
                                <label
for="value">Nilai:</label>
                                <input
type="text"    class="form-control"
name="value"    value="<?=
htmlspecialchars($perangkingan-
>value) ?>">
                                </div>
                                <?php
                                }
                                ?>
                                <button
type="submit"    name="update"
class="btn    card-blue">Simpan
Perubahan</button>
                                <a class="btn btn-
danger"
href="?page=penilaian_saw">Batal<
/a>
                                </form>
                                </div>

```

```

        </div>
    </div>

    <script
src="https://code.jquery.com/jquery-
3.5.1.slim.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/@p
opperjs/core@2.5.4/dist/umd/popper.
min.js"></script>
    <script
src="https://stackpath.bootstrapcdn.c
om/bootstrap/4.5.2/js/bootstrap.min.j
s"></script>

    <script>
        function calculateValue() {
            const valueInput =
document.querySelector('input[name
="value"]');
            let value =
valueInput.value;
            const
multiplicationPattern
            =
/^(\\d+)s*x\\s*(\\d+)$/i;
            if
(multiplicationPattern.test(value)) {
                const matches =
value.match(multiplicationPattern);
                const result =
parseInt(matches[1])
                *
parseInt(matches[2]);
                valueInput.value =
result;
            }
        }
    </script>
</body>

</html>

<?php
    } else {
        echo "<div class='alert alert-
danger'
            role='alert'>Data

```

```

perangkingan
ditemukan.</div>";
    }
    } else {
        echo "<div class='alert alert-
danger' role='alert'>ID Kriteria (idk)
atau ID Daftar (iddaftar) tidak
ditemukan.</div>";
    }
    ?>

```

Perangkingan_saw.php

```

<?php
$u = 1;
$alternatives = array();
$sql_alternatives = 'SELECT *
FROM pendaftaran';
$data_alternatives = $conn-
>query($sql_alternatives);
while ($row_alternatives =
$data_alternatives->fetch_object()) {
    $alternatives[$row_alternatives-
>iddaftar] = $row_alternatives-
>name;
}
?>

```

```

<?php
$criteria_data = array();
$bobot = array();
$sql_criteria = 'SELECT * FROM
kriteria WHERE metode = "SAW"';
$data_criteria = $conn-
>query($sql_criteria);
while ($row_criteria = $data_criteria-
>fetch_object()) {
    $criteria_data[$row_criteria->idk]
    = array($row_criteria->nama_k,
$row_criteria->jenis_k);
    $bobot[$row_criteria->idk] =
$row_criteria->bobot;
}
?>

```

```

<?php
$decision_matrix = array();

```

```

$sql_decision_matrix = 'SELECT *
FROM perangkingan WHERE idk IN
(SELECT idk FROM kriteria
WHERE metode = "SAW")';
$data_decision_matrix = $conn-
>query($sql_decision_matrix);
$min_values = array();
$max_values = array();
$sql_kriteria_values = 'SELECT idk,
MIN(nilai_min) AS nilai_min,
MAX(nilai_max) AS nilai_max
FROM kriteria WHERE metode =
"SAW" GROUP BY idk';
$data_kriteria_values = $conn-
>query($sql_kriteria_values);

while ($row_kriteria_values =
$data_kriteria_values-
>fetch_object()) {
    $min_values[$row_kriteria_values-
->idk] = $row_kriteria_values-
->nilai_min;
    $max_values[$row_kriteria_valu-
e->idk] = $row_kriteria_values-
->nilai_max;
}

while ($row_decision_matrix =
$data_decision_matrix-
>fetch_object()) {
    $j = $row_decision_matrix->idk;
    $v = $row_decision_matrix-
->value;
    $decision_matrix[$row_decision-
matrix->iddaftar][$j] = $v;
}
?>

<?php
if
(isset($_POST['proses_perhitungan']
)) {
    $normalized_matrix = array();
    foreach ($decision_matrix as $i =>
$x_i) {

```

```

        $normalized_matrix[$i] =
array();
        foreach ($x_i as $j => $x_ij) {
            if ($criteria_data[$j][1] ==
'cost') {
                $normalized_matrix[$i][$j]
= $min_values[$j] / $x_ij;
            } else {
                $normalized_matrix[$i][$j]
= $x_ij / $max_values[$j];
            }
        }
    }

    $preference_values = array();
    foreach ($normalized_matrix as $i
=> $r_i) {
        $preference_values[$i] = 0;
        foreach ($r_i as $j => $r_ij) {
            $preference_values[$i] +=
$bobot[$j] * $r_ij;
        }
    }

    arsort($preference_values);

    // Simpan nilai preferensi ke dalam
tabel pendaftaran
    foreach ($preference_values as
$iddaftar => $preference) {
        $sqlUpdatePref = "UPDATE
pendaftaran SET preferensi =
'$preference' WHERE iddaftar =
'$iddaftar'";
        if ($conn-
>query($sqlUpdatePref) !== TRUE)
        {
            echo "Error updating record: "
. $conn->error;
        }
    }
}
?>

<div class="container mb-4">
    <div class="card">

```

```

        <p class="card-header card-
blue">Proses SAW</p>
        <div class="card-body ">
            <p>Silakan klik tombol di
bawah ini untuk memulai proses
perangkingan menggunakan metode
SAW.</p>
            <form class="" action=""
method="POST">
                <input type="submit"
name="proses_perhitungan"
value="Perangkingan" class="btn
card-blue">
            </form>
        </div>
    </div>
</div>

<!-- Matriks Keputusan -->
<div class="container mt-4">
    <div class="card">
        <div class="card-header card-
blue text-white border-dark">
            <div class="toggle-button"
onclick="toggleTable('matrikstableC
ontainer')">
                <span
id="matrikstoggleIcon">&#9660;</s
pan>
                <span
id="matrikstoggleText">Matriks
Keputusan (X):</span>
            </div>
        </div>
        <div id="matrikstableContainer"
class="hidden-content">
            <table class="table table-
bordered">
                <thead>
                    <tr>
                        <th>NO</th>
                        <th>Nama</th>
                    </tr>
                    <tr>
                        <td><?php foreach
($criteria_data as $id => $detail) : ?>
                            <th><?= $detail[0]
?></th>
                        <td><?php endforeach; ?>

```

```

                    </tr>
                </thead>
                <tbody>
                    <tr>
                        <td><?php foreach
($decision_matrix as $iddaftar =>
$criteria_values) : ?>
                            <td><?php echo
$u++ ?></td>
                            <td><?=
$alternatives[$iddaftar] ?></td>
                            <td><?php foreach
($criteria_values as $idk => $value) :
?>
                                <td><?= $value
?></td>
                            <td><?php endforeach;
?>
                        </tr>
                    </tbody>
                </table>
            </div>
        </div>
    </div>

<?php
if
(isset($_POST['proses_perhitungan'])
) : ?>
    <!-- Matriks Normalisasi -->
    <div class="container mt-4">
        <div class="card">
            <div class="card-header card-
blue text-white border-dark">
                <div class="toggle-button"
onclick="toggleTable('normalizedTa
ble')">
                    <span
id="normalizedToggleIcon">&#966
0;</span>
                    <span
id="normalizedToggleText">Matriks
Normalisasi (R):</span>
                </div>
            </div>
            <div id="normalizedTable"
class="hidden-content">

```

```

        <table class="table table-
bordered mt-4">
        <thead>
        <tr>
        <th>NO</th>
        <th>Nama</th>
        <?php foreach
($criteria_data as $id => $detail) : ?>
        <th><?= $detail[0]
?></th>
        <?php endforeach;
?>
        </tr>
        </thead>
        <tbody>
        <?php
        $u = 1; // Reset nomor
urut
                foreach
($normalized_matrix as $iddaftar =>
$criteria_values) : ?>
        <tr>
        <td><?php echo
$u++ ?></td>
        <td><?=
$alternatives[$iddaftar] ?></td>
        <?php foreach
($criteria_values as $idk => $value) :
?>
        <td><?=
number_format($value, 2) ?></td>
        <?php endforeach;
?>
        </tr>
        <?php endforeach; ?>
        </tbody>
        </table>
    </div>
</div>
<!-- Nilai Preferensi -->
<div class="container mt-4">
    <div class="card">
        <div class="card-header card-
blue text-white border-dark">

```

```

        <div class="toggle-button"
onclick="toggleTable('preferenceTab
le')">
        <span
id="preferenceToggleIcon">&#9660
;</span>
        <span
id="preferenceToggleText">Nilai
Preferensi (P):</span>
        </div>
    </div>
    <div id="preferenceTable"
class="hidden-content">
        <table class="table table-
bordered mt-4">
        <thead>
        <tr>
        <th>Rank</th>
        <th>Nama</th>
        <th>Preferensi</th>
        </tr>
        </thead>
        <tbody>
        <?php
        $rank = 1;
                foreach
($preference_values as $i =>
$preference) : ?>
        <tr>
        <td><?= $rank
?></td>
        <td><?=
$alternatives[$i] ?></td>
        <td><?=
$preference ?></td>
        </tr>
        <?php
        $rank++;
        endforeach; ?>
        </tbody>
        </table>
    </div>
</div>
    <div class="mt-5" style="display:
flex;">

```

```

<div style="flex: 1;">
  <div id="map"></div>
</div>
<div style="flex: 1; padding-left:
20px;">
  <b>: Best Candidat</b><br>
  <b>: Candidat</b><br>
  <b>:
Umum</b>
</div>
</div>

<?php
include 'model_perangkingan.php';
?>
<style>
  #map {
    height: 550px;
    width: 700px;
  }
</style>

<link
href='https://api.tiles.mapbox.com/m
apbox-gl-js/v0.48.0/mapbox-gl.css'
rel='stylesheet' />
<link rel='stylesheet'
href='https://api.mapbox.com/mapbo
x-gl-js/plugins/mapbox-gl-
geocoder/v2.3.0/mapbox-gl-
geocoder.css' type='text/css' />

<script
src='https://api.tiles.mapbox.com/ma
pbox-gl-js/v0.48.0/mapbox-
gl.js'></script>

<script
src='https://api.mapbox.com/mapbox
-gl-js/plugins/mapbox-gl-
geocoder/v2.3.0/mapbox-gl-
geocoder.min.js'></script>

<script
src="https://ajax.googleapis.com/aja

```

```

x/libs/jquery/3.1.1/jquery.min.js"></
script>

<script
src="https://code.jquery.com/jquery-
3.5.1.slim.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/@p
opperjs/core@2.5.2/dist/umd/popper.
min.js"></script>

<script
src="https://stackpath.bootstrapcdn.c
om/bootstrap/4.5.2/js/bootstrap.min.j
s"></script>

<script>
  var markers = <?= get_lokasi()
?>;
  var lokasi_parepare = [119.6290,
-4.0099];
  var maxPreferensi1; // Deklarasi
variabel pertama di sini
  var maxPreferensi2; // Deklarasi
variabel kedua di sini

  mapboxgl.accessToken =
'pk.eyJ1IjoiZmFkbHVsbGFoeCIsIm
EiOiJjbHI0bmZrejcxYmx0Mmpudj
VkMzRjbm43In0.O_h7GYI9fXaoHr
9XnIN5sg';
  var map = new mapboxgl.Map({
    container: 'map',
    style:
'mapbox://styles/mapbox/streets-v9',
    center: lokasi_parepare,
    zoom: 16
  });

  function addMarker(lt lng,
imgSrc) {
    var img =
document.createElement('img');
    img.src = imgSrc;
    img.style.width = '35px';
    img.style.height = '35px';

    new mapboxgl.Marker({

```

```

        draggable: true,
        element: img
    })
    .setLngLat(latLng)
    .addTo(map);
}

map.on('load', function() {
    // Mendapatkan nilai
    // preferensi tertinggi pertama
    maxPreferensi1 =
    Math.max.apply(Math,
    markers.map(function(marker) {
        return marker[4];
    }));

    // Mengatur nilai tertinggi
    // pertama ke nilai terendah
    markers =
    markers.map(function(marker) {
        if (parseFloat(marker[4])
        === parseFloat(maxPreferensi1)) {
            maxPreferensi1 =
            Number.MIN_VALUE; // Set nilai ke
            // nilai terendah
            return [marker[0],
            marker[1], marker[2], marker[3],
            maxPreferensi1];
        }
        return marker;
    });

    // Mendapatkan nilai
    // preferensi tertinggi kedua
    maxPreferensi2 =
    Math.max.apply(Math,
    markers.map(function(marker) {
        return marker[4];
    }));

    // Menambahkan marker
    // dengan gambar sesuai dengan nilai
    // preferensi tertinggi pertama dan
    // kedua
    add_markers(markers,
    maxPreferensi1, maxPreferensi2);

```

```

    });

    function
    add_markers(coordinates,
    maxPreferensi1, maxPreferensi2) {
        var geojson = (coordinates ==
        markers ? coordinates : "");
        geojson.forEach(function(ma
        rker) {
            var imgSrc =
            'gambar/more.png';

            // Memeriksa apakah nilai
            // preferensi sama dengan nilai
            // preferensi tertinggi pertama atau
            // kedua
            if (parseFloat(marker[4])
            === parseFloat(maxPreferensi1)) {
                imgSrc =
                'gambar/number1.png'; // Ganti
                // dengan nama gambar yang sesuai
                // untuk nilai tertinggi pertama
            } else if
            (parseFloat(marker[4])
            ===
            parseFloat(maxPreferensi2)) {
                imgSrc =
                'gambar/number2.png'; // Ganti
                // dengan nama gambar yang sesuai
                // untuk nilai tertinggi kedua
            }

            addMarker([marker[1],
            marker[2]], imgSrc);
        });
    }
</script>
<?php endif; ?>

<script>
    function toggleTable(tableId) {
        var tableContainer =
        document.getElementById(tableId);
        var toggleIcon =
        document.getElementById(tableId +
        "ToggleIcon");

```

```

        var toggleText =
document.getElementById(tableId +
'ToggleText');

        if
(tableContainer.classList.contains('hi
dden-content')) {
            tableContainer.classList.remo
ve('hidden-content');
            toggleIcon.innerHTML =
'&#9650;'; // Panah ke atas
            toggleText.innerHTML =
'Sembunyikan Tabel';
        } else {
            tableContainer.classList.add('
hidden-content');
            toggleIcon.innerHTML =
'&#9660;'; // Panah ke bawah
            toggleText.innerHTML =
'Tampilkan Tabel';
        }
    }
</script>

<style>
    .table-container {
        position: relative;
    }

    .toggle-button {
        cursor: pointer;
        font-size: 1.2em;
        display: flex;
        align-items: center;
    }

    .toggle-button span {
        margin-left: 10px;
    }

    .hidden-content {
        display: none;
    }
</style>

```

Model_perangkingan.php

```

<?php
require("config.php");

function get_lokasi()
{
    global $conn;

    $sqldata = mysqli_query($conn,
"SELECT iddaftar, longitude,
latitude, name, preferensi FROM
pendaftaran");

    $rows = array();

    while ($r =
mysqli_fetch_assoc($sqldata)) {
        $rows[] = $r;
    }

    $indexed =
array_map('array_values', $rows);

    echo json_encode($indexed);

    if (!$rows) {
        return null;
    }
}

```