

DAFTAR LAMPIRAN

Lampiran - 1 Listing Program.

1. File config.php

```
<?php
$host = "localhost";
$user = "root";
$password = "";
$db = "db_risna";
$kon = mysqli_connect($host, $user, $password, $db);
if (!$kon) {
    die("Koneksi gagal:" . mysqli_connect_error());
}
```

2. File index.php

```
<?php
session_start();
if (!isset($_SESSION['username'])) {
    header("Location: login.php");
    exit(); // Terminate script execution after the redirect
}
include 'config/config.php';
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <meta name="description" content="Responsive Admin & Dashboard Template based on Bootstrap 5">
    <meta name="author" content="AdminKit">
    <meta name="keywords" content="adminkit, bootstrap, bootstrap 5, admin, dashboard, template, responsive, css, sass, html, theme, front-end, ui kit, web">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link rel="canonical" href="https://demo-basic.adminkit.io/" />
    <title>CLUSTERING PENJUALAN HANDPHONE</title>
    <link href="css/app.css" rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Inter:wght@300;400;600&display=swap" rel="stylesheet">
</head>
<body>
    <div class="wrapper">
        <div class="main">
            <nav class="navbar navbar-expand navbar-light navbar-bg">
                <div class="navbar-collapse collapse">
                    <ul class="nav">
                        <li class="nav-item">
                            <h3>CLUSTERING PENJUALAN HANDPHONE</h3>

```

```

        </li>
    </ul>
    <ul class="navbar-nav navbar-align">
        <li class="nav-item">
            <a class="nav-link d-none d-sm-inline-block" href="admin/index.php">
                 <span
class="text-dark">Risnayanti</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link d-none d-sm-inline-block" href="logout.php">
                <span class="text-danger">Logout</span>
            </a>
        </li>
    </ul>
</div>
</nav>
<main class="content">
    <?php
    $queries = array();
    parse_str($_SERVER['QUERY_STRING'], $queries);
    error_reporting(E_ALL ^ (E_NOTICE | E_WARNING));
    switch ($queries['page']) {
        case 'edit':
            include 'admin/edit.php';
            break;
        case 'detail':
            include 'detail.php';
            break;
        case 'detail1':
            include 'detail1.php';
            break;
        case 'detail2':
            include 'detail2.php';
            break;
        default:
            include 'home.php';
            break;
    }
    ?>
</main>
<footer class="footer">
    <div class="container-fluid">
        <div class="row text-muted">
            <div class="col-6 text-start">
                <p class="mb-0">

```



```

<body>
  <div class="p-4">
    <div class="container">
      <div class="row">
        <div class="col-md-5 col-sm-6 col-lg-3 mx-auto">
          <div class="formContainer">
            <h2 class="p-2 text-center mb-4 h4 bg bg-info text-white" id="formHeading">Login</h2>
            <form action="cek_login.php" method="post" enctype="multipart/form-data">
              <div class="form-group mt-3">
                <label class="mb-2" for="username">Username </label>
                <input class="form-control" id="username" name="username" type="username"
placeholder="Username" />
              </div>
              <div class="form-group mt-3">
                <label class="mb-2" for="password">Password</label>
                <input class="form-control" id="password" name="password" placeholder="Password" />
              </div>
              <button class="btn btn-info btn-lg w-100 mt-4 text-white" name="submit"
type="submit">Submit</button>
            </form>
          </div>
        </div>
      </div>
    </div>
  </div>
</body>
</html>

```

4. File `cek_login.php`

```

<?php
session_start();
function input($data)
{
    $data = trim($data);
    $data = stripslashes($data);
    $data = htmlspecialchars($data);
    return $data;
}

include "config/config.php";
$username = input($_POST['username']);
$password = input(md5($_POST['password']));
$cek_pengguna = "select * from user where username='".$username.'" and password='".$password.'"";
$hasil_cek = mysqli_query($kon, $cek_pengguna);
$jumlah = mysqli_num_rows($hasil_cek);
$row = mysqli_fetch_assoc($hasil_cek);
if ($jumlah > 0) {

```

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$_SESSION['id_user'] = $row['id_user'];
$_SESSION['nama'] = $row['nama'];
$_SESSION['username'] = $row['username'];
$_SESSION['status'] = $row['status'];
echo '<script>alert("Berhasil Login."); document.location="index.php";</script>';
} else {
    echo '<script>alert("Gagal Login."); document.location="index.php";</script>';
}

```

5. File home.php

```

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

    $mysqli = new mysqli("localhost", "root", "", "db_risna");
    //Cek Koneksi
    if (mysqli_connect_errno()) {
        echo "Tidak terhubung";
        exit;
    }

    $c1 = $_POST['c1'];
    $c2 = $_POST['c2'];
    $c3 = $_POST['c3'];

    //Fungsi mencari kueri single data
    function caridata($mysqli, $query)
    {
        $row = $mysqli->query($query)->fetch_array();
        return $row[0];
    }

    function update_produk($mysqli, $id_produk, $nilai)
    {
        $stmt = $mysqli->prepare("update tb_produk set
                                set_sementara='$nilai'
                                where id_produk=$id_produk");
        $stmt->execute();
    }

    function update_centrol($mysqli, $id_produk, $nilai)
    {
        $stmt = $mysqli->prepare("update tb_produk set
                                c1='$nilai'
                                where id_produk=$id_produk");
        $stmt->execute();
    }

```

```

}

function update_centro2($mysqli, $id_produk, $nilai)
{
    $stmt = $mysqli->prepare("update tb_produk set
                                c2='$nilai'
                                where id_produk=$id_produk");
    $stmt->execute();
}

function update_centro3($mysqli, $id_produk, $nilai)
{
    $stmt = $mysqli->prepare("update tb_produk set
                                c3='$nilai'
                                where id_produk=$id_produk");
    $stmt->execute();
}

$jumlahproduk = caridata($mysqli, "select count(*) from tb_produk");
for ($i = 0; $i < $jumlahproduk; $i++) {
    $clusterawal[$i] = "1";
}

//Set Nilai Centroid 1,2,3
$centro1[0] = $c1;
$centro2[0] = $c2;
$centro3[0] = $c3;

$status = 'false';
$loop = '0';
$x = 0;
while ($status == 'false') {

    // echo "<pre>";
    // print_r($centro1[$loop]);
    // print_r($centro2[$loop]);
    // print_r($centro3[$loop]);
    // echo "</pre>";
    // echo "<hr>";

    //Proses K-Means Perhitungan
    $query = "select * from tb_produk";
    $result = $mysqli->query($query);

```

```

while ($data = mysqli_fetch_assoc($result)) {
    extract($data);
    $hasilc1 = 0;
    $hasilc2 = 0;
    $hasilc3 = 0;

    //Proses Pencarian Nilai Centro 1
    $hasilc1 = sqrt(pow($stok - $centro1[$loop][0], 2) +
        pow($sterjual - $centro1[$loop][1], 2) +
        pow($sisah_stok - $centro1[$loop][2], 2));
    update_centro1($mysqli, $id_produk, number_format($hasilc1, 2));
    // echo number_format($hasilc1, 2);
    // echo "<br>";
    //Proses Pencarian Nilai Centro 2
    $hasilc2 = sqrt(pow($stok - $centro2[$loop][0], 2) +
        pow($sterjual - $centro2[$loop][1], 2) +
        pow($sisah_stok - $centro2[$loop][2], 2));
    update_centro2($mysqli, $id_produk, number_format($hasilc2, 2));
    // echo "<hr>";
    // echo number_format($hasilc2, 2), ' C2';
    // echo "<br>";
    //Proses Pencarian Nilai Centro 3
    $hasilc3 = sqrt(pow($stok - $centro3[$loop][0], 2) +
        pow($sterjual - $centro3[$loop][1], 2) +
        pow($sisah_stok - $centro3[$loop][2], 2));
    update_centro3($mysqli, $id_produk, number_format($hasilc3, 2));
    // echo "<hr>";
    // echo number_format($hasilc3, 2), ' C3';
    // echo "<br>";
    //Mencari Nilai Terkecil
    if ($hasilc1 < $hasilc2 && $hasilc1 < $hasilc3) {
        $clusterakhir[$x] = 'C1';
        update_produk($mysqli, $id_produk, 'C1');
    } else if ($hasilc2 < $hasilc1 && $hasilc2 < $hasilc3) {
        $clusterakhir[$x] = 'C2';
        update_produk($mysqli, $id_produk, 'C2');
    } else {
        $clusterakhir[$x] = 'C3';
        update_produk($mysqli, $id_produk, 'C3');
    }
    //Penambahan Counter Index
    $x += 1;
}

$loop += 1;
//Proses mencari centroid baru ambil dari basis data.

```

```

//Centroid Baru Pusat 1
$centro1[$loop][0] = caridata($mysqli, "select avg(stok) from tb_produk where set_sementara='C1'");
$centro1[$loop][1] = caridata($mysqli, "select avg(terjual) from tb_produk where set_sementara='C1'");
$centro1[$loop][2] = caridata($mysqli, "select avg(sisah_stok) from tb_produk where set_sementara='C1'");

//Centroid Baru Pusat 2
$centro2[$loop][0] = caridata($mysqli, "select avg(stok) from tb_produk where set_sementara='C2'");
$centro2[$loop][1] = caridata($mysqli, "select avg(terjual) from tb_produk where set_sementara='C2'");
$centro2[$loop][2] = caridata($mysqli, "select avg(sisah_stok) from tb_produk where set_sementara='C2'");

//Centroid Baru Pusat 3
$centro3[$loop][0] = caridata($mysqli, "select avg(stok) from tb_produk where set_sementara='C3'");
$centro3[$loop][1] = caridata($mysqli, "select avg(terjual) from tb_produk where set_sementara='C3'");
$centro3[$loop][2] = caridata($mysqli, "select avg(sisah_stok) from tb_produk where set_sementara='C3'");

$status = 'true';
for ($i = 0; $i < $jumlahproduk; $i++) {
    if ($clusterawal[$i] != $clusterakhir[$i]) {
        $status = 'false';
    }
}

if ($status == 'false') {
    $clusterawal = $clusterakhir;
}
}

// echo "Proses berhasil dilakukan sebanyak $loop kali";
echo "<script>alert('Proses berhasil dilkaukan $loop kali')</script>";
}
?>

<div class="container-fluid p-0">
    <h1 class="h3 mb-3"><strong>Dashboard</strong></h1>
    <form action="" method="POST" enctype="multipart/form-data">
        <div class="row">
            <div class="col-lg-12 d-flex justify-content-center">
                <div class="col-lg-3 me-5">
                    <div class="card flex-fill">
                        <div class="card-header">
                            <h5 class="card-title mb-0">Centroid 1</h5>
                        </div>
                        <div class="card-body">
                            <div class="d-inline-flex justify-content-center">
                                <div class="mb-4 col-lg-3 me-4">
                                    <input type="number" class="form-control" name="c1[]" placeholder="">
                                </div>

```

```

<div class="mb-4 col-lg-3 me-4">
  <input type="number" class="form-control" name="c1[]" placeholder="">
</div>
<div class="mb-4 col-lg-3 me-4">
  <input type="number" class="form-control" name="c1[]" placeholder="">
</div>
</div>
</div>
</div>
</div>

<div class="col-lg-3 me-5">
  <div class="card flex-fill">
    <div class="card-header">
      <h5 class="card-title mb-0">Centroid 2</h5>
    </div>
    <div class="card-body">
      <div class="d-inline-flex justify-content-center">
        <div class="mb-4 col-lg-3 me-4">
          <input type="number" class="form-control" name="c2[]" placeholder="">
        </div>
        <div class="mb-4 col-lg-3 me-4">
          <input type="number" class="form-control" name="c2[]" placeholder="">
        </div>
        <div class="mb-4 col-lg-3 me-4">
          <input type="number" class="form-control" name="c2[]" placeholder="">
        </div>
      </div>
    </div>
  </div>
</div>
</div>

<div class="col-lg-3 me-5">
  <div class="card flex-fill">
    <div class="card-header">
      <h5 class="card-title mb-0">Centroid 3</h5>
    </div>
    <div class="card-body">
      <div class="d-inline-flex justify-content-center">
        <div class="mb-4 col-lg-3 me-4">
          <input type="number" class="form-control" name="c3[]" placeholder="">
        </div>
        <div class="mb-4 col-lg-3 me-4">
          <input type="number" class="form-control" name="c3[]" placeholder="">
        </div>
        <div class="mb-4 col-lg-3 me-4">
          <input type="number" class="form-control" name="c3[]" placeholder="">
        </div>
      </div>
    </div>
  </div>
</div>

```



```

<?php
if($_GET['centroid'] == 'c1') {
    $qry = "select * from tb_produk where set_sementara='C1'";

    $sql_stok = mysqli_query($kon, "SELECT SUM(stok), AVG(stok), MIN(stok), MAX(stok) FROM
tb_produk where set_sementara='C1'");
    $data = mysqli_fetch_array($sql_stok);
    $d_sum_stok = ($data['SUM(stok)']);
    $d_avg_stok = ($data['AVG(stok)']);
    $d_min_stok = ($data['MIN(stok)']);
    $d_max_stok = ($data['MAX(stok)']);

    $sql_terjual = mysqli_query($kon, "SELECT SUM(terjual), AVG(terjual), MIN(terjual),
MAX(terjual) FROM tb_produk where set_sementara='C1'");
    $data = mysqli_fetch_array($sql_terjual);
    $d_sum_terjual = ($data['SUM(terjual)']);
    $d_avg_terjual = ($data['AVG(terjual)']);
    $d_min_terjual = ($data['MIN(terjual)']);
    $d_max_terjual = ($data['MAX(terjual)']);

    $sql_sisah = mysqli_query($kon, "SELECT SUM(sisah_stok), AVG(sisah_stok), MIN(sisah_stok),
MAX(sisah_stok) FROM tb_produk where set_sementara='C1'");
    $data = mysqli_fetch_array($sql_sisah);
    $d_sum_sisah = ($data['SUM(sisah_stok)']);
    $d_avg_sisah = ($data['AVG(sisah_stok)']);
    $d_min_sisah = ($data['MIN(sisah_stok)']);
    $d_max_sisah = ($data['MAX(sisah_stok)']);
} elseif($_GET['centroid'] == 'c2') {
    $qry = "select * from tb_produk where set_sementara='C2'";

    $sql_stok = mysqli_query($kon, "SELECT SUM(stok), AVG(stok), MIN(stok), MAX(stok) FROM
tb_produk where set_sementara='C2'");
    $data = mysqli_fetch_array($sql_stok);
    $d_sum_stok = ($data['SUM(stok)']);
    $d_avg_stok = ($data['AVG(stok)']);
    $d_min_stok = ($data['MIN(stok)']);
    $d_max_stok = ($data['MAX(stok)']);

    $sql_terjual = mysqli_query($kon, "SELECT SUM(terjual), AVG(terjual), MIN(terjual),
MAX(terjual) FROM tb_produk where set_sementara='C2'");
    $data = mysqli_fetch_array($sql_terjual);
    $d_sum_terjual = ($data['SUM(terjual)']);
    $d_avg_terjual = ($data['AVG(terjual)']);
    $d_min_terjual = ($data['MIN(terjual)']);
    $d_max_terjual = ($data['MAX(terjual)']);
}

```

```

        $sql_sisah = mysqli_query($kon, "SELECT SUM(sisah_stok), AVG(sisah_stok), MIN(sisah_stok),
MAX(sisah_stok) FROM tb_produk where set_sementara='C2'");
        $data = mysqli_fetch_array($sql_sisah);
        $d_sum_sisah = ($data['SUM(sisah_stok)']);
        $d_avg_sisah = ($data['AVG(sisah_stok)']);
        $d_min_sisah = ($data['MIN(sisah_stok)']);
        $d_max_sisah = ($data['MAX(sisah_stok)']);
    } elseif ($_GET['centroid'] == 'c3') {
        $qry = "select * from tb_produk where set_sementara='C3'";

        $sql_stok = mysqli_query($kon, "SELECT SUM(stok), AVG(stok), MIN(stok), MAX(stok) FROM
tb_produk where set_sementara='C3'");
        $data = mysqli_fetch_array($sql_stok);
        $d_sum_stok = ($data['SUM(stok)']);
        $d_avg_stok = ($data['AVG(stok)']);
        $d_min_stok = ($data['MIN(stok)']);
        $d_max_stok = ($data['MAX(stok)']);

        $sql_terjual = mysqli_query($kon, "SELECT SUM(terjual), AVG(terjual), MIN(terjual),
MAX(terjual) FROM tb_produk where set_sementara='C3'");
        $data = mysqli_fetch_array($sql_terjual);
        $d_sum_terjual = ($data['SUM(terjual)']);
        $d_avg_terjual = ($data['AVG(terjual)']);
        $d_min_terjual = ($data['MIN(terjual)']);
        $d_max_terjual = ($data['MAX(terjual)']);

        $sql_sisah = mysqli_query($kon, "SELECT SUM(sisah_stok), AVG(sisah_stok), MIN(sisah_stok),
MAX(sisah_stok) FROM tb_produk where set_sementara='C3'");
        $data = mysqli_fetch_array($sql_sisah);
        $d_sum_sisah = ($data['SUM(sisah_stok)']);
        $d_avg_sisah = ($data['AVG(sisah_stok)']);
        $d_min_sisah = ($data['MIN(sisah_stok)']);
        $d_max_sisah = ($data['MAX(sisah_stok)']);
    } else {
        $qry = "select * from tb_produk";

        $sql_stok = mysqli_query($kon, "SELECT SUM(stok), AVG(stok), MIN(stok), MAX(stok) FROM
tb_produk");
        $data = mysqli_fetch_array($sql_stok);
        $d_sum_stok = ($data['SUM(stok)']);
        $d_avg_stok = ($data['AVG(stok)']);
        $d_min_stok = ($data['MIN(stok)']);
        $d_max_stok = ($data['MAX(stok)']);

        $sql_terjual = mysqli_query($kon, "SELECT SUM(terjual), AVG(terjual), MIN(terjual),
MAX(terjual) FROM tb_produk");

```

```

        $data = mysqli_fetch_array($sql_terjual);
        $d_sum_terjual = ($data['SUM(terjual)']);
        $d_avg_terjual = ($data['AVG(terjual)']);
        $d_min_terjual = ($data['MIN(terjual)']);
        $d_max_terjual = ($data['MAX(terjual)']);

        $sql_sisah = mysqli_query($kon, "SELECT SUM(sisah_stok), AVG(sisah_stok), MIN(sisah_stok),
        MAX(sisah_stok) FROM tb_produk");
        $data = mysqli_fetch_array($sql_sisah);
        $d_sum_sisah = ($data['SUM(sisah_stok)']);
        $d_avg_sisah = ($data['AVG(sisah_stok)']);
        $d_min_sisah = ($data['MIN(sisah_stok)']);
        $d_max_sisah = ($data['MAX(sisah_stok)']);
    }
    $data = mysqli_query($kon, $qry);
    $no = 1;
    if (mysqli_num_rows($data) > 0) {
        while ($d = mysqli_fetch_array($data)) {
            ?>
            <tr>
                <td class="d-none d-xl-table-cell"><?=$no; ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['produk']; ?></td>
                <td class="d-none d-xl-table-cell"><?= number_format($d['harga']); ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['stok']; ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['terjual']; ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['sisah_stok']; ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['c1']; ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['c2']; ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['c3']; ?></td>
                <td class="d-none d-xl-table-cell"><?=$d['set_sementara']; ?></td>
                <td class="d-none d-md-table-cell"><a href="?page=edit&id=<?=$d['id_produk'];
            ?>"><span class="badge bg-info">Edit</span></a></td>
            </tr>

            <?php
                $no++;
            }
        } else {
            echo '<td class="d-none d-xl-table-cell">Data Kosong</td>';
        }
    }
    ?>
    <tr>
        <td class="d-none d-xl-table-cell"><strong>Total</strong></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"><?=$d_sum_stok; ?></td>
        <td class="d-none d-xl-table-cell text-danger"><?=$d_sum_terjual; ?></td>

```

```

        <td class="d-none d-xl-table-cell text-danger"><?= $d_sum_sisah; ?></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
    </tr>
    <tr>
        <td class="d-none d-xl-table-cell"><strong>Rata-Rata</strong></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"><?= round($d_avg_stok); ?></td>
        <td class="d-none d-xl-table-cell text-danger"><?= round($d_avg_terjual); ?></td>
        <td class="d-none d-xl-table-cell text-danger"><?= round($d_avg_sisah); ?></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
    </tr>
    <tr>
        <td class="d-none d-xl-table-cell"><strong>Terendah</strong></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"><?= $d_min_stok; ?></td>
        <td class="d-none d-xl-table-cell text-danger"><?= $d_min_terjual; ?></td>
        <td class="d-none d-xl-table-cell text-danger"><?= $d_min_sisah; ?></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
    </tr>
    <tr>
        <td class="d-none d-xl-table-cell"><strong>Tertinggi</strong></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"><?= $d_max_stok; ?></td>
        <td class="d-none d-xl-table-cell text-danger"><?= $d_max_terjual; ?></td>
        <td class="d-none d-xl-table-cell text-danger"><?= $d_max_sisah; ?></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
        <td class="d-none d-xl-table-cell text-danger"></td>
    </tr>
</tbody>
</table>
</div>
</div>
</div>
</div>

```

6. File logout.php

```

<?php
session_start();
if (!isset($_SESSION['username'])) {
}

```

```
unset($_SESSION['username']);
session_destroy();
echo "<script>alert('Berhasil Logout'); window.location = 'login.php'</script>";
```

7. File admin/add.php

```
<?php
if (isset($_POST['submit'])) {
    //Include file koneksi, untuk koneksikan ke database
    include '../config/config.php';

    //Fungsi untuk mencegah inputan karakter yang tidak sesuai
    function input($data)
    {
        $data = trim($data);
        $data = stripslashes($data);
        $data = htmlspecialchars($data);
        return $data;
    }

    $produk = input($_POST['produk']);
    $harga = input($_POST['harga']);
    $stok = input($_POST['stok']);
    $terjual = input($_POST['terjual']);
    $sisah = $stok - $terjual;
    // $sisah = input($_POST['sisah']);
    $set = 1;
    $c1 = 0;
    $c2 = 0;
    $c3 = 0;

    $query=mysqli_query($kon,"INSERTINTO tb_produk (produk,harga,stok,terjual,sisah_stok,set_sementara,c1,c2,c3)
VALUES ('$produk','$harga','$stok','$terjual','$sisah','$set','$c1','$c2','$c3')");

    // $query = "INSERT INTO tb_produk (produk, harga, stok, terjual, sisa, set_sementara) VALUES ('$produk',
'$harga', '$stok', '$terjual', '$sisah', '$set')";

    // $hasil = mysqli_query($kon, $query);

    if ($query) {
        echo "<script>alert('Berhasil Tambah Data'); window.location = 'index.php'</script>";
    } else {
        echo "<script>alert('Gagal Tambah Data'); window.location = 'index.php?page=add'</script>";
    }
}
?>

<main id="main" class="main">
<section class="section">
<div class="row" style="justify-content: center;">
```

```

<div class="col-lg-7">
  <div class="card">
    <div class="card-body">
      <h5 class="card-title">Tambah Data</h5>
      <form action="" method="POST" enctype="multipart/form-data">
        <div class="row mb-3" style="margin-bottom: 5px;">
          <label for="inputNumber" class="col-sm-2 col-form-label">Nama Produk</label>
          <div class="col-sm-10">
            <input type="text" name="produk" class="form-control">
          </div>
        </div>
        <div class="row mb-3" style="margin-bottom: 5px;">
          <label for="inputNumber" class="col-sm-2 col-form-label">Harga</label>
          <div class="col-sm-10">
            <input type="number" name="harga" class="form-control">
          </div>
        </div>
        <div class="row mb-3" style="margin-bottom: 5px;">
          <label for="inputNumber" class="col-sm-2 col-form-label">Stok</label>
          <div class="col-sm-10">
            <input type="number" name="stok" class="form-control">
          </div>
        </div>
        <div class="row mb-3" style="margin-bottom: 5px;">
          <label for="inputNumber" class="col-sm-2 col-form-label">Terjual</label>
          <div class="col-sm-10">
            <input type="number" name="terjual" class="form-control">
          </div>
        </div>
        <div class="row mb-3">
          <div class="col-sm-10">
            <button type="submit" name="submit" class="btn btn-primary">Submit</button>
            <a href="index.php" class="btn btn-danger">Kembali</a>
          </div>
        </div>
      </form>
    </div>
  </div>
</div>
</div>
</section>
</main>

```

8. File admin/delete.php

```

<?php
include '../config/config.php';
if (isset($_GET['id'])) {

```

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

```
$sql = "DELETE FROM tb_produk WHERE id_produk='$id'";
```

```
$query = mysqli_query($kon, $sql);
```

```
if ($query) {
```

```
    echo "<script>alert('Berhasil Hapus Data'); window.location = 'index.php'</script>";
```

```
} else {
```

```
    echo "<script>alert('Gagal Hapus Data'); window.location = 'index.php'</script>";
```

```
}
```

```
}
```

9. File admin/edit.php

```
<?php
```

```
if (isset($_POST['submit'])) {
```

```
    //Include file koneksi, untuk koneksikan ke database
```

```
    include '../config/config.php';
```

```
    //Fungsi untuk mencegah inputan karakter yang tidak sesuai
```

```
    function input($data)
```

```
    {
```

```
        $data = trim($data);
```

```
        $data = stripslashes($data);
```

```
        $data = htmlspecialchars($data);
```

```
        return $data;
```

```
    }
```

```
    $id = input($_POST['id']);
```

```
    $produk = input($_POST['produk']);
```

```
    $harga = input($_POST['harga']);
```

```
    $stok = input($_POST['stok']);
```

```
    $terjual = input($_POST['terjual']);
```

```
    $sisah = $stok - $terjual;
```

```
    $set = input($_POST['set']);
```

```
    $query = mysqli_query($kon, "UPDATE tb_produk SET produk='$produk', harga='$harga', stok='$stok',  
    terjual='$terjual', sisah_stok='$sisah', set_sementara='$set' WHERE id_produk='$id'");
```

```
    if ($query) {
```

```
        echo "<script>alert('Berhasil Mengubah Data'); window.location = 'index.php?page=edit&id=$id'</script>";
```

```
    } else {
```

```
        echo "<script>alert('Gagal Mengubah Data'); window.location = 'index.php?page=edit&id=$id'</script>";
```

```
    }
```

```
}
```

```
if (isset($_GET['id'])) {
```

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

```
    $query = mysqli_query($kon, "SELECT * FROM tb_produk WHERE id_produk='$id'");
```

```

    $row = mysqli_fetch_array($query);
}
?>

```

```

<main id="main" class="main">
  <section class="section">
    <div class="row">
      <div class="col-lg-12">

        <div class="card">
          <div class="card-body">
            <h5 class="card-title">Edit Data</h5>
            <form action="" method="POST" enctype="multipart/form-data">
              <div class="row mb-3" style="margin-bottom: 5px;">
                <label for="inputNumber" class="col-sm-2 col-form-label">Nama Produk</label>
                <div class="col-sm-10">
                  <input type="text" name="produk" class="form-control" value="<?= $row['produk']; ?>">
                  <input type="hidden" name="id" class="form-control" value="<?= $row['id_produk']; ?>">
                </div>
              </div>
              <div class="row mb-3" style="margin-bottom: 5px;">
                <label for="inputNumber" class="col-sm-2 col-form-label">Harga</label>
                <div class="col-sm-10">
                  <input type="number" name="harga" class="form-control" value="<?= $row['harga']; ?>">
                </div>
              </div>
              <div class="row mb-3" style="margin-bottom: 5px;">
                <label for="inputNumber" class="col-sm-2 col-form-label">Stok</label>
                <div class="col-sm-10">
                  <input type="number" name="stok" class="form-control" value="<?= $row['stok']; ?>">
                </div>
              </div>
              <div class="row mb-3" style="margin-bottom: 5px;">
                <label for="inputNumber" class="col-sm-2 col-form-label">Terjual</label>
                <div class="col-sm-10">
                  <input type="number" name="terjual" class="form-control" value="<?= $row['terjual']; ?>">
                </div>
              </div>
              <div class="row mb-3">
                <div class="col-sm-10">
                  <button type="submit" name="submit" class="btn btn-primary">Ubah</button>
                  <a href="index.php" class="btn btn-danger">Kembali</a>
                </div>
              </div>
            </form>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```
</div>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
</main>
```

10. File `admin/home.php`

```
<div class="container-fluid p-0">
```

```
<h1 class="h3 mb-3">Pages Admin</h1>
```

```
<div class="row">
```

```
<div class="col-12 col-lg-12">
```

```
<div class="card flex-fill">
```

```
<div class="card-header">
```

```
<h5 class="card-title mb-0">Daftar Data Produk</h5>
```

```
</div>
```

```
<div class="card-body">
```

```
<table class="table table-hover my-0">
```

```
<thead class="text-center">
```

```
<tr>
```

```
<th class="d-none d-xl-table-cell">No.</th>
```

```
<th class="d-none d-xl-table-cell">Produk</th>
```

```
<th class="d-none d-xl-table-cell">Harga</th>
```

```
<th class="d-none d-xl-table-cell">Stok</th>
```

```
<th class="d-none d-xl-table-cell">Terjual</th>
```

```
<th class="d-none d-xl-table-cell">Sisa</th>
```

```
<th class="d-none d-md-table-cell">Aksi</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody class="text-center">
```

```
<?php
```

```
$qry = "select * from tb_produk";
```

```
$data = mysqli_query($kon, $qry);
```

```
$no = 1;
```

```
if (mysqli_num_rows($data) > 0) {
```

```
while ($d = mysqli_fetch_array($data)) {
```

```
?>
```

```
<tr>
```

```
<td class="d-none d-xl-table-cell"><? = $no; ?></td>
```

```
<td class="d-none d-xl-table-cell"><? = $d['produk']; ?></td>
```

```
<td class="d-none d-xl-table-cell"><? = number_format($d['harga']); ?></td>
```

```
<td class="d-none d-xl-table-cell"><? = $d['stok']; ?></td>
```

```
<td class="d-none d-xl-table-cell"><? = $d['terjual']; ?></td>
```

```
<td class="d-none d-xl-table-cell"><? = $d['sisah_stok']; ?></td>
```

```
<td class="d-none d-md-table-cell">
```

```

        <a href="?page=edit&id=<?= $d[id_produk]; ?>"><span class="badge bg-
info">Edit</span></a>
        <a href="?page=delete&id=<?= $d[id_produk]; ?>" onclick="return confirm ('Yakin
Hapus?')"><span class="badge bg-danger">Delete</span></a>
    </td>
</tr>
</tr>
<?php
    $no++;
}
} else {
    echo '<td class="d-none d-xl-table-cell">Data Kosong</td>';
}
?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>

```

11. File admin/indeks.php

```

<?php include '../config/config.php'; ?>

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

<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <meta name="description" content="Responsive Admin &amp; Dashboard Template based on Bootstrap 5">
    <meta name="author" content="AdminKit">
    <meta name="keywords" content="admindkit, bootstrap, bootstrap 5, admin, dashboard, template, responsive, css,
sass, html, theme, front-end, ui kit, web">
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link rel="canonical" href="https://demo-basic.admintkit.io/" />
    <title>CLUSTERING PENJUALAN SPAREPART</title>
    <link href="../../css/app.css" rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Inter:wght@300;400;600&display=swap" rel="stylesheet">
</head>

<body>
    <div class="wrapper">
        <div class="main">
            <nav class="navbar navbar-expand navbar-light navbar-bg">
                <div class="navbar-collapse collapse">

```

```

<ul class="nav">
  <li class="nav-item">
    <a href="../index.php" style="text-decoration: none;">
      <h3>CLUSTERING PENJUALAN SPAREPART</h3>
    </a>
  </li>
  <li class="nav-link">
    <a href="index.php?page=add" style="text-decoration: none;">
      <h6>Tambah Data Produk</h6>
    </a>
  </li>
</ul>
<ul class="navbar-nav navbar-align">
  <li class="nav-item">
    <a class="nav-link d-none d-sm-inline-block" href="#" data-bs-toggle="dropdown">
       <span
class="text-dark">Risnayanti</span>
    </a>
  </li>
  <li class="nav-item">
    <a class="nav-link d-none d-sm-inline-block" href="../logout.php">
      <span class="text-danger">Logout</span>
    </a>
  </li>
</ul>
</div>
</nav>

<main class="content">
  <?php
  $queries = array();
  parse_str($_SERVER['QUERY_STRING'], $queries);
  error_reporting(E_ALL ^ (E_NOTICE | E_WARNING));
  switch ($queries['page']) {

    case 'add':
      include 'add.php';
      break;
    case 'edit':
      include 'edit.php';
      break;
    case 'delete':
      include 'delete.php';
      break;
    default:
      #code...

```

```

        include 'home.php';
        break;
    }
    ?>
</main>

<footer class="footer">
    <div class="container-fluid">
        <div class="row text-muted">
            <div class="col-6 text-start">
                <p class="mb-0">
                    <a class="text-muted" href="#" target="_blank"><strong>Risnayanti</strong></a> &copy;
                </p>
            </div>
            <div class="col-6 text-end">
                <ul class="list-inline">
                    <li class="list-inline-item">
                        <a class="text-muted" href="#" target="_blank">Web Developer</a>
                    </li>
                </ul>
            </div>
        </div>
    </div>
</footer>
</div>
</div>

<script src="js/app.js"></script>

</body>

</html>

```