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| **Web Programming II** |
|  |
| **Modul 13** |
| **jQuery dengan Teknik AJAX untuk CRUD** |

**Disusun oleh:**

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**PROGRAM STUDI TEKNIK INFORMATIKA**

**POLITEKNIK HARAPAN BERSAMA**

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1. Membuat Database

* Pertama-tama kita siapkan database-nya terlebih dahulu. Dalam tutorial ini kita akan menggunakan database akademik dengan tabel bernama mahasiswa.

CREATE DATABASE `akademik`;

USE `akademik`;

CREATE TABLE `mahasiswa` (

`IdMhsw` int(11) NOT NULL PRIMARY KEY AUTO\_INCREMENT,

`Nama` varchar(150),

`JenisKelamin` varchar(20),

`Alamat` text,

`Agama` varchar(30),

`NoHp` varchar(15),

`Email` varchar(150)

);

1. Koneksi Database

* Setelah database dibuat, selanjutnya buat file koneksi.pho untuk menghubungkan aplikasi dengan database akademik.
* Koneksi.php

<?php

//koneksi ke database akademik

$server = "localhost";

$user = "root";

$pass = "";

$dbname = "akademik";

$koneksi = mysqli\_connect($server,$user,$pass,$dbname);

if(mysqli\_connect\_errno()){

echo "Koneksi database gagal".mysqli\_connect\_error();

}

?>

1. Index.php

* Download jquery-3.5.1.min.js untuk menggunakan fungsi ajax nya.
* Index.php

<!DOCTYPE html>

<html>

<head>

<title>Simple Crud Ajax jQuery</title>

<script type="text/javascript" src="jquery-3.5.1.min.js"></script>

<script type="text/javascript">

$(document).ready(function() {

//load data mahasiswa saat aplikasi dijalankan

loadData();

//Load form add

$("#contentData").on("click", "#addButton", function() {

$.ajax({

url: 'form-add.php',

type: 'get',

success: function(data) {

$('#contentData').html(data);

}

});

});

//Load form edit dengan parameter IdMhsw

$("#contentData").on("click", "#EditButton", function() {

var IdMhsw = $(this).attr("value");

$.ajax({

url: 'form-edit.php',

type: 'get',

data: {

IdMhsw: IdMhsw

},

success: function(data) {

$('#contentData').html(data);

}

});

});

//button batal

$("#contentData").on("click", "#cancelButton", function() {

loadData();

});

//simpan data mahasiswa

$("#contentData").on("submit", "#formAdd", function(e) {

e.preventDefault();

$.ajax({

url: 'service.php?action=save',

type: 'post',

data: $(this).serialize(),

success: function(data) {

alert(data);

loadData();

}

});

});

//edit data mahasiswa

$("#contentData").on("submit", "#formEdit", function(e) {

e.preventDefault();

$.ajax({

url: 'service.php?action=edit',

type: 'post',

data: $(this).serialize(),

success: function(data) {

alert(data);

loadData();

}

});

});

//hapus data mahasiswa berdasarkan IdMhsw

$("#contentData").on("click", "#DeleteButton", function() {

var IdMhsw = $(this).attr("value");

$.ajax({

url: 'service.php?action=delete',

type: 'post',

data: {

IdMhsw: IdMhsw

},

success: function(data) {

alert(data);

loadData();

}

});

});

})

function loadData() {

$.ajax({

url: 'data-mahasiswa.php',

type: 'get',

success: function(data) {

$('#contentData').html(data);

}

});

}

</script>

</head>

<body>

<div align="center">

<h2>Simple Crud Ajax dan jQuery</h2>

<div id="contentData"></div>

</div>

</body>

</html>

1. Data-Mahasiswa.php

* Letakkan file index.php dan jquery dalam satu folder. Fungsi load data untuk menangani proses request data mahasiswa akan ditampilkan pada div contentData.
* Buat file data-mahasiswa.php.
* data-mahasiswa.php

<button id="addButton" class="btn btn-primary">Tambah Data</button>

<br>

<br>

<table border="1">

<thead>

<tr>

<th>No.</th>

<th>Nama</th>

<th>Jenis Kelamin</th>

<th>Alamat</th>

<th>Agama</th>

<th>No. HP</th>

<th>Email</th>

<th>Aksi</th>

</tr>

</thead>

<tbody>

<?php

include "koneksi.php";

$no=1;

$query=mysqli\_query($koneksi, "SELECT \* FROM Mahasiswa ORDER BY IdMhsw DESC") or die(mysqli\_error($koneksi));

while ($result=mysqli\_fetch\_array($query)) {

?>

<tr>

<td>

<?php echo $no++; ?>

</td>

<td>

<?php echo $result['Nama']; ?>

</td>

<td>

<?php echo $result['JenisKelamin']; ?>

</td>

<td>

<?php echo $result['Alamat']; ?>

</td>

<td>

<?php echo $result['Agama']; ?>

</td>

<td>

<?php echo $result['NoHp']; ?>

</td>

<td>

<?php echo $result['Email']; ?>

</td>

<td>

<button id="EditButton" value="<?php echo $result['IdMhsw']; ?>">Edit</button>

<button id="DeleteButton" value="<?php echo $result['IdMhsw']; ?>">Delete</button>

</td>

</tr>

<?php

}

?>

</tbody>

</table>

1. form-add.php

* form-add.php

<form method="POST" id="formAdd">

<table>

<tr>

<td>Nama</td>

<td>

<input type="text" name="Nama" id="Nama" required="" />

</td>

</tr>

<tr>

<td>Jenis Kelamin</td>

<td>

<label>

<input type="radio" name="JenisKelamin" id="JenisKelamin" value="Laki-laki" required="" />Laki-laki</label>

<label>

<input type="radio" name="JenisKelamin" id="JenisKelamin" value="Perempuan" required="" />Perempuan</label>

</td>

</tr>

<tr>

<td>Alamat</td>

<td>

<textarea name="Alamat" id="Alamat" required=""></textarea>

</td>

</tr>

<tr>

<td>Agama</td>

<td>

<select name="Agama" id="Agama" required="">

<option disabled="" selected="">-Pilih-</option>

<option value="Islam">Islam</option>

<option value="Kristen">Kristen</option>

<option value="Katholik">Katholik</option>

<option value="Budha">Budha</option>

<option value="Hindhu">Hindhu</option>

<option value="Konghucu">Konghucu</option>

<option value="Lain-lain">Lain-lain</option>

</select>

</td>

</tr>

<tr>

<td>No. HP</td>

<td>

<input type="text" name="NoHP" id="NoHP" required="" />

</td>

</tr>

<tr>

<td>Email</td>

<td>

<input type="email" name="Email" id="Email" required="" />

</td>

</tr>

<tr>

<td></td>

<td>

<input type="submit" name="simpan" id="simpan" value="Simpan" />

<button id="cancelButton" type="button">Batal</button>

</td>

</tr>

</table>

</form>

1. form-edit.php

* form-edit.php

<?php

include "koneksi.php";

$IdMhsw=$\_GET['IdMhsw'];

$query=mysqli\_query($koneksi, "SELECT \* FROM Mahasiswa WHERE IdMhsw='$IdMhsw'") or die(mysqli\_error($koneksi));

$result=mysqli\_fetch\_array($query);

?>

<form method="POST" id="formEdit">

<table>

<tr>

<td>Nama</td>

<td>

<input type="hidden" name="IdMhsw" id="IdMhsw" required="" value="<?php echo $result['IdMhsw']; ?>" />

<input type="text" name="Nama" id="Nama" required="" value="<?php echo $result['Nama']; ?>" />

</td>

</tr>

<tr>

<td>Jenis Kelamin</td>

<td>

<label>

<input type="radio" name="JenisKelamin" id="JenisKelamin" value="Laki-laki" required="" <?php if($result[ 'JenisKelamin']=="Laki-laki" ) echo "checked"; ?> />Laki-laki</label>

<label>

<input type="radio" name="JenisKelamin" id="JenisKelamin" value="Perempuan" required="" <?php if($result[ 'JenisKelamin']=="Perempuan" ) echo "checked"; ?> />Perempuan</label>

</td>

</tr>

<tr>

<td>Alamat</td>

<td>

<textarea name="Alamat" id="Alamat" required="">

<?php echo $result['Alamat']; ?>

</textarea>

</td>

</tr>

<tr>

<td>Agama</td>

<td>

<select name="Agama" id="Agama" required="">

<option disabled="" selected="">-Pilih-</option>

<option value="Islam" <?php if($result[ 'Agama']=="Islam" ) echo "selected"; ?>>Islam</option>

<option value="Kristen" <?php if($result[ 'Agama']=="Kristen" ) echo "selected"; ?>>Kristen</option>

<option value="Katholik" <?php if($result[ 'Agama']=="Katholik" ) echo "selected"; ?>>Katholik</option>

<option value="Budha" <?php if($result[ 'Agama']=="Budha" ) echo "selected"; ?>>Budha</option>

<option value="Hindhu" <?php if($result[ 'Agama']=="Hindhu" ) echo "selected"; ?>>Hindhu</option>

<option value="Konghucu" <?php if($result[ 'Agama']=="Konghucu" ) echo "selected"; ?>>Konghucu</option>

<option value="Lain-lain" <?php if($result[ 'Agama']=="Lain-lain" ) echo "selected"; ?>>Lain-lain</option>

</select>

</td>

</tr>

<tr>

<td>No. HP</td>

<td>

<input type="text" name="NoHP" id="NoHP" required="" value="<?php echo $result['NoHp']; ?>" />

</td>

</tr>

<tr>

<td>Email</td>

<td>

<input type="email" name="Email" id="Email" required="" value="<?php echo $result['Email']; ?>" />

</td>

</tr>

<tr>

<td></td>

<td>

<input type="submit" name="simpan" id="simpan" value="Simpan" />

<button type="button" id="cancelButton">Batal</button>

</td>

</tr>

</table>

</form>

1. service.php

<?php

include "koneksi.php";

switch ($\_GET['action'])

{

case 'save':

$Nama = $\_POST['Nama'];

$JenisKelamin = $\_POST['JenisKelamin'];

$Alamat = $\_POST['Alamat'];

$Agama = $\_POST['Agama'];

$NoHP = $\_POST['NoHP'];

$Email = $\_POST['Email'];

$query = mysqli\_query($koneksi, "INSERT INTO Mahasiswa(Nama, JenisKelamin, Alamat, Agama, NoHp, Email) VALUES('$Nama', '$JenisKelamin', '$Alamat', '$Agama', '$NoHP', '$Email')");

if ($query)

{

echo "Simpan Data Berhasil";

}

else

{

echo "Simpan Data Gagal :" . mysqli\_error($koneksi);

}

break;

case 'edit':

$IdMhsw = $\_POST['IdMhsw'];

$Nama = $\_POST['Nama'];

$JenisKelamin = $\_POST['JenisKelamin'];

$Alamat = $\_POST['Alamat'];

$Agama = $\_POST['Agama'];

$NoHP = $\_POST['NoHP'];

$Email = $\_POST['Email'];

$query = mysqli\_query($koneksi, "UPDATE Mahasiswa SET Nama='$Nama', JenisKelamin='$JenisKelamin', Alamat='$Alamat', Agama='$Agama', NoHp='$NoHP', Email='$Email' WHERE IdMhsw='$IdMhsw'");

if ($query)

{

echo "Edit Data Berhasil";

}

else

{

echo "Edit Data Gagal :" . mysqli\_error($koneksi);

}

break;

case 'delete':

$IdMhsw = $\_POST['IdMhsw'];

$query = mysqli\_query($koneksi, "DELETE FROM Mahasiswa WHERE IdMhsw='$IdMhsw'");

if ($query)

{

echo "Hapus Data Berhasil";

}

else

{

echo "Hapus Data Gagal :" . mysqli\_error($koneksi);

}

break;

}

?>