

Contoh program PHP untuk menampilkan, menambah, mengedit, dan menghapus data. Sengaja dibuat sesederhana mungkin, agar mudah dipelajari oleh siswa/mahasiswa.

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Nama file: `_config.php`

```
<?php
// Ubah hanya data di bawah ini.
$config['server'] = "localhost";
$config['username'] = "root";
$config['password'] = "";
$config['database'] = "mid";
$config['tabel'] = "nilai";
// Stop. Data selanjutnya tidak ada yang perlu diubah.
?>
```

Nama file: `setup.php`

```
<!--
Script PHP pada halaman web ini akan:
1. menghapus database 'mid' (jika ada).
2. Membuat database 'mid'.
3. Membuat tabel 'nilai'.
4. Mengisikan data contoh ke dalam tabel 'nilai'.

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-->

<html>
<head>
<title>Menyiapkan Database</title>
</head>

<body>
<?php
include_once("_config.php");

$nama = array('Adininta Kefas Surbakty',
'Ahmad Bukhoori',
'Ahmad Muzaini',
'Bong George Aldrin',
'Chaerunisa',
'Desta Prayoga',
'Devina Maulidya',
'Dinda Radita Milati',
'Dwi Retno Susilowati',
'Fahmi Kuncoro',
'Fajrin Nur Utami',
'Gilang Bayu Rizkika',
'Hadi Priyatna',
'Harman Nugroho',
'Ibnu Gunawan',
'Ihsan Virgianto',
'Kiky Rizky Adrian',
'M. Subur Priatmoko Suhada',
'Naufal Amir',
'Nina Yanuarti',
'Pandu Dzakwan Naufal',
'Panji Rinaldi',
'Pratama Agung Sumirat',
'Prayoga Andi Darussalam',
'Putri Fitri Astuti',
'Putri Oktiyawati',
```

```

'Riana Irmayanti',
'Rizal Loa Wanda',
'Satriyo Hutomo',
'Wulandari',
'Yohanes Pandiyangan',
'Yuyun Purwasih');

$cn = @mysql_connect($config['server'], $config['username'], $config['password'])
    or die("Gagal konek ke server MySQL.");
mysql_query(sprintf("drop database if exists %s", $config['database']))
    or die("Gagal menghapus database lama.");
mysql_query(sprintf("create database %s", $config['database']))
    or die("Gagal membuat database.");
mysql_select_db($config['database']);
mysql_query(sprintf("create table %s (
    nis char(3),
    nama varchar(32),
    nilai decimal(6,2),
    primary key(nis))", $config['tabel'])) or die("Gagal membuat tabel.");

$nomor = 1;
foreach ($nama as $namasiswa) {
    echo "$namasiswa<br />";
    $nis = sprintf("%03s", $nomor);
    // Menentukan nilai setiap siswa secara random.
    $nilai = rand(7000, 10000) / 100;
    mysql_query(sprintf("insert into %s values('$nis', '$namasiswa', '$nilai')",
    $config['tabel'])) or die("Gagal meng-insert data.");
    $nomor++;
};

mysql_close($cn);
?>
<p>Sukses! Sekarang anda bisa menuju ke <a href="index.php">index.php</a></p>
</body>
</html>

```

Nama file: `_koneksi.php`

```

<?php
    include_once("_config.php");

    // Fungsi sanitasi adalah memodifikasi string sedemikian rupa sehingga aman dari
    // serangan SQL injection.
    function sanitasi($tulisan) {
        $temp = $tulisan;
        if(get_magic_quotes_gpc()) $temp = stripslashes($temp);
        $temp = mysql_real_escape_string($temp);
        return($temp);
    };

    $config['koneksi'] = @mysql_connect($config['server'], $config['username'],
    $config['password'])
    or die("Gagal konek ke server MySQL.");
    mysql_select_db($config['database']) or die("Gagal memilih database.");
?>

```

Nama file: `_edit_proses.php`

```

<?php if(!isset($config)) die("Dilarang mengakses langsung. Silakan akses melalui menu."); ?>

<?php
    $nis = "";
    $nama = "";
    $nilai = "";

```

```

if (isset($_POST['nis'])) $nis = $_POST['nis'];
if (isset($_POST['nama'])) $nama = $_POST['nama'];
if (isset($_POST['nilai'])) $nilai = $_POST['nilai'];

if (empty($nis)) {
    echo "<p>NIS tidak boleh kosong.</p>";
}
else {
    $query = sprintf("update %s set nama='%s', nilai='%s' where nis='%s' ",
        $config['tabel'], sanitasi($nama), sanitasi($nilai), sanitasi($nis));
    $hasil = mysql_query($query) or die("Gagal mengupdate data.");
    echo "<p>Data sukses diupdate.</p>";
};
?>

```

Nama file: `_edit_show.php`

```

<?php if(!isset($config)) die("Dilarang mengakses langsung. Silakan akses melalui menu."); ?>

<?php
    $nis = "";
    if (isset($_GET['nis'])) $nis = $_GET['nis'];

    if (empty($nis)) {
        echo "<p>NIS tidak boleh kosong.</p>";
    }
    else {
        $query = sprintf("select * from %s where nis='%s' ", $config['tabel'], sanitasi($nis));
        $hasil = mysql_query($query) or die("Gagal melakukan query.");
        if (mysql_num_rows($hasil) != 1) {
            echo "<p>Data tidak ditemukan.</p>";
        }
        else {
            $buff = mysql_fetch_array($hasil);
        }
    }
?>
<form name="form1" method="post" action="edit.php">
<table border="1" cellpadding="5" cellspacing="0" bgcolor="#FFFFCC">
    <tr bgcolor="#FFCCFF">
        <th colspan="2">Mengedit Data</th>
    </tr>
    <tr>
        <td>NIS</td>
        <td><?php echo $buff['nis']; ?>
            <input name="nis" type="hidden" value="<?php echo $buff['nis']; ?>" />
        </td>
    </tr>
    <tr>
        <td>Nama</td>
        <td><input name="nama" type="text" value="<?php echo $buff['nama']; ?>"
            size="30" maxlength="30" /></td>
    </tr>
    <tr>
        <td>Nilai</td>
        <td><input name="nilai" type="text" value="<?php echo $buff['nilai']; ?>"
            size="6" maxlength="6" /></td>
    </tr>
    <tr align="center">
        <td colspan="2"><input name="submit" type="submit" value="Submit" /></td>
    </tr>
</table>
</form>
<?
    };
};
?>

```

Nama file: _footer.php

```
<p>Untuk kembali ke menu utama, silakan <a href="index.php">klik di sini</a>.</p>
```

Nama file: _header.php

```
<?php if(!isset($config)) die("Dilarang mengakses langsung. Silakan akses melalui menu."); ?>
```

```
<p>Demo menampilkan, menambah, mengedit, dan menghapus data.<br />  
Diprogram oleh: Mawan A. Nugroho, 2011.</p>  
<hr />
```

Nama file: _tambah_proses.php

```
<?php if(!isset($config)) die("Dilarang mengakses langsung. Silakan akses melalui menu."); ?>
```

```
<?php  
$nis = "";  
$nama = "";  
$nilai = "";  
if (isset($_POST['nis'])) $nis = $_POST['nis'];  
if (isset($_POST['nama'])) $nama = $_POST['nama'];  
if (isset($_POST['nilai'])) $nilai = $_POST['nilai'];  
  
if (empty($nis)) {  
    echo "<p>NIS tidak boleh kosong.</p>";  
}  
else {  
    $query = sprintf("insert into %s values ('%s', '%s', '%s') ",  
$config['tabel'], sanitasi($nis), sanitasi($nama), sanitasi($nilai));  
    $hasil = mysql_query($query) or die("Gagal menambah data.");  
    echo "<p>Data sukses ditambahkan.</p>";  
};  
?>
```

Nama file: _tambah_show.php

```
<?php if(!isset($config)) die("Dilarang mengakses langsung. Silakan akses melalui menu."); ?>
```

```
<form name="form1" method="post" action="tambah.php">  
<table border="1" cellpadding="5" cellspacing="0" bgcolor="#FFFFCC">  
    <tr bgcolor="#FFCCFF">  
        <th colspan="2">Menambah Data</th>  
    </tr>  
    <tr>  
        <td>NIS</td>  
        <td><input name="nis" type="text" size="3" maxlength="3" /></td>  
    </tr>  
    <tr>  
        <td>Nama</td>  
        <td><input name="nama" type="text" size="30" maxlength="30" /></td>  
    </tr>  
    <tr>  
        <td>Nilai</td>  
        <td><input name="nilai" type="text" size="6" maxlength="6" /></td>  
    </tr>  
    <tr align="center">  
        <td colspan="2"><input name="submit" type="submit" value="Submit" /></td>  
    </tr>  
</table>  
</form>
```

Nama file: edit.php

```
<?php include_once("_koneksi.php"); ?>

<html>
<head>
<title>Mengedit Data</title>
</head>

<body>
<?php include("_header.php"); ?>

<?php
    if (isset($_GET['nis'])) {
        include("_edit_show.php");
    }
    elseif (isset($_POST['nis'])) {
        include("_edit_proses.php");
    }
    else {
        echo "<p>Halaman ini dipanggil secara tidak benar. Minimal harus ada ";
        echo "variabel GET atau POST.</p>";
    }
};
?>

<?php include("_footer.php"); ?>
</body>
</html>
```

Nama file: hapus.php

```
<?php include_once("_koneksi.php"); ?>

<html>
<head>
<title>Menghapus data</title>
</head>

<body>
<?php include("_header.php"); ?>

<?php
    $nis = "";
    if (isset($_GET['nis'])) $nis = $_GET['nis'];

    if (empty($nis)) {
        echo "<p>NIS tidak boleh kosong.</p>";
    }
    else {
        $query = sprintf("delete from %s where nis='%s' limit 1",
            $config['tabel'], sanitasi($nis));
        $hasil = mysql_query($query) or die("Gagal menghapus data.");
        echo "<p>Data sukses dihapus.</p>";
    }
};
?>

<?php include("_footer.php"); ?>
</body>
</html>
```

Nama file: index.php

```
<?php include_once("_koneksi.php"); ?>
```

```

<html>
<head>
<title>Menampilkan data</title>
</head>

<body>
<?php include("_header.php"); ?>

<table border="1" cellpadding="5" cellspacing="0">
  <tr bgcolor="#FFCCFF">
    <th>NIS</th>
    <th>Nama</th>
    <th>Nilai</th>
    <th>Operasi</th>
  </tr>
  <?php
  $warna = "#FFFFCC";
  $query = sprintf("select * from %s", $config['tabel']);
  $hasil = mysql_query($query) or die("Gagal melakukan query.");
  while ($buff = mysql_fetch_array($hasil)) {
  ?>
  <tr bgcolor="<?php echo $warna; ?>">
    <td><?php echo htmlentities($buff['nis']); ?></td>
    <td><?php echo htmlentities($buff['nama']); ?></td>
    <td><?php echo htmlentities($buff['nilai']); ?></td>
    <td><a href="edit.php?nis=<?php echo $buff['nis']; ?>">Edit</a> |
      <a href="hapus.php?nis=<?php echo $buff['nis']; ?>">Hapus</a></td>
  </tr>
  <?php
  // Membuat warna zebra pada tiap baris di tabel.
  if ($warna == "#FFFF99") $warna = "#FFFFCC"; else $warna = "#FFFF99";
  };
  ?>
</table>
<p>Untuk menambah data, silakan <a href="tambah.php">klik di sini</a>.</p>
</body>
</html>

```

Nama file: tambah.php

```

<?php include_once("_koneksi.php"); ?>

<html>
<head>
<title>Menambah Data</title>
</head>

<body>
<?php include("_header.php"); ?>

<?php
  if (isset($_POST['nis'])) {
    include("_tambah_proses.php");
  }
  else {
    include("_tambah_show.php");
  }
};
?>

<?php include("_footer.php"); ?>
</body>
</html>

```