

**LAPORAN PRAKTIKUM
DESAIN PEMROGRAMAN WEB
MODUL 8**



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Pembahasan

1. Pengertian PHP

- PHP merupakan singkatan dari PHP: Hypertext Preprocessor yaitu server-side scripting language.
- Skrip PHP dieksekusi di server dan hasilnya dikirimkan ke client (browser).
- PHP mendukung berbagai jenis database.
- (contoh : MySQL, Informix, Oracle, Sybase, Solid, PostgreSQL, Generic ODBC, dll.)
- PHP merupakan perangkat lunak open source.
- PHP dapat di-download dan digunakan secara gratis.

2. File PHP

- File PHP dapat terdiri dari teks, tag dan skrip HTML.
- File PHP akan dikirimkan ke browser sebagai plain HTML.
- File PHP dapat berektensi “.php”, “.php3”, atau “.phtml”

3. Alasan Menggunakan PHP

- PHP dapat berjalan pada bermacam platforms (Windows, Linux, Unix, dll.).
- PHP kompatibel (mampu bekerja) dengan hampir semua server web yang ada (Apache, IIS, etc.).
- PHP dapat di-download secara gratis dari situs resminya: www.php.net
- PHP mudah dipelajari dan berjalan secara efisien di server web.

Praktikum

1. Proyek Satu hitung_gaji.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=1.0">
  <title>Document</title>
</head>
<body>
  <form action="hasil_gaji.php" method="post">
    <table>
      <tr>
        <td colspan="2" align="center"><h3>Silahkan Input Data Karyawan</h3></td>
      </tr>
      <tr>
        <td>NIP</td>
        <td><input type="text" name="nip" id="nip"></td>
      </tr>
      <tr>
        <td>Nama</td>
        <td><input type="text" name="nama" id="nama"></td>
      </tr>
      <tr>
        <td>Jabatan</td>
        <td>
          <select name="jabatan">
            <option>-Pilih Jabatan-</option>
            <option value="direktur"> direktur</option>
            <option value="sekretaris"> sekretaris</option>
            <option value="staf"> staf</option>
          </select>
        </td>
      </tr>
      <tr>
        <td colspan="2" align="center">
          <input type="submit" name="proses" value="proses">
        </td>
      </tr>
    </table>
  </form>
</body>
</html>
```

Hasil_gaji.php

```
<?php

$nip= $_POST['nip'];
$nama= $_POST['nama'];
$jabatan= $_POST['jabatan'];
$gapok= "gapok";
$tunjangan= "tunjangan";
$total_= "total";

if ($jabatan == "direktur") {
    $gapok=9000000;
    $tunjangan=$gapok * 0.10;
}elseif ($jabatan == "sekretaris") {
    $gapok=7000000;
    $tunjangan=$gapok *0.05;
}elseif ($jabatan == "staf") {
    $gapok=5000000;
    $tunjangan=$gapok * 0.01;
}else
    echo "gaji anda tidak tahu";
$total = $gapok + $tunjangan;
?>

<!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=1.0">
    <title>Document</title>
</head>
<body>
<form action="hitung_gaji.php" method="post">
<table>
    <tr>
        <td colspan="2" align="center"><h3>Hasil Perhitungan gaji</h3></td>
    </tr>
    <tr>
        <td>NIP</td>
        <td><input type="text" name=nip id="nip" value="<?php echo $nip ?>"></td>
    </tr>
    <tr>
        <td>Nama</td>
        <td><input type="text" name="nama" id="nama" value="<?php echo $nama ?>"></td>
    </tr>
    <tr>
        <td>Jabatan</td>
        <td>
            <input type="text" name="jabatan" value="<?php echo $jabatan ?>">
        </td>
    </tr>
</table>
</body>
</html>
```

```

</tr>
<tr>
    <td>Gaji pokok</td>
    <td><input type="text" name="gapok" value="<?php echo $gapok ?>"></td>
</tr>
<tr>
    <td>Tunjangan</td>
    <td><input type="text" name="tunjangan" value="<?php echo $tunjangan ?>"></td>
</tr>
<tr>
    <td>Total Gaji</td>
    <td><input type="text" name="total" value="<?php echo $total ?>"></td>
</tr>
<tr>
    <td colspan="2" align="center">
        <input type="submit" name="proses" value="kembali">
    </td>
</tr>
</table>
</form>
</body>
</html>

```

Hasil:

Silahkan Input Data Karyawan

NIP:

Nama:

Jabatan:

Hasil Perhitungan gaji

NIP:

Nama:

Jabatan:

Gaji pokok:

Tunjangan:

Total Gaji:

2. Kasus 1

input_mahasiswa.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=1.0">
  <title>Document</title>
  <link rel="stylesheet" href="css/mahasiswa.css">
</head>
<body>
  <div class="mahasiswa">
    <form action="hasil_mahasiswa.php" method="post">
      <h1 align="center" class="judul">Hitung Nilai Akhir Mahasiswa</h1>
      <table>
        <tr>
          <td>Nama Mahasiswa</td>
          <td>:</td>
          <td><input type="text" class="bil" name="nama"><br></td>
        </tr>
        <tr>
          <td>NIM</td>
          <td>:</td>
          <td><input type="text" class="bil" name="nim"><br></td>
        </tr>
        <tr>
          <td>Jenis Kelamin</td>
          <td>:</td>
          <td>
            <input type="radio" name="jk" class="jk" value="Laki-laki">Laki-
laki
            <input type="radio" name="jk" class="jk"
value="Perempuan">Perempuan
          </td>
        </tr>
        <tr>
          <td>Prodi</td>
          <td>:</td>
          <td><select name="prodi" class="opt">
            <option>-Pilih Prodi-</option>
            <option value="Sistem Informasi"> Sistem Informasi</option>
            <option value="Informatika"> Informatika</option>
            <option value="Rekayasa Perangkat Lunak"> Rekayasa Perangkat
Lunak</option>
          </select>
          </td>
        </tr>
        <tr>
          <td>Mata Kuliah</td>
          <td>:</td>
          <td><input type="text" class="bil" name="makul"><br></td>
        </tr>
      </table>
    </form>
  </div>
</body>
</html>
```

```

        </tr>
        <tr>
            <td>Nilai Absen</td>
            <td>:</td>
            <td><input type="text" class="bil" name="absen"><br></td>
        </tr>
        <tr>
            <td>Nilai Tugas</td>
            <td>:</td>
            <td><input type="text" class="bil" name="tugas"><br></td>
        </tr>
        <tr>
            <td>Nilai UTS</td>
            <td>:</td>
            <td><input type="text" class="bil" name="uts"><br> </td>
        </tr>
        <tr>
            <td>Nilai UAS</td>
            <td>:</td>
            <td><input type="text" class="bil" name="uas"><br><br></td>
        </tr>
        <tr>
            <td colspan="3" align="center"><input type="submit" value="Hitung"
class="tombol"></td>
        </tr>
    </table>
</form>
</div>
</body>
</html>

```

Hasil_mahasiswa.php

```

<?php
$nama    = $_POST['nama'];
$nim     = $_POST['nim'];
$jkk     = $_POST['jkk'];
$prodi   = $_POST['prodi'];
$makul   = $_POST['makul'];
$absen   = $_POST['absen'];
$tugas   = $_POST['tugas'];
$uts     = $_POST['uts'];
$uas     = $_POST['uas'];

//menghitung nilai dari yang tadi kita input

$nilai_absen = $absen * 0.1;
$nilai_tugas = $tugas * 0.2;
$nilai_uts   = $uts * 0.3;
$nilai_uas   = $uas * 0.4;

//penjumlahan dari nilai-nilai yang sudah diinput

```

```

$nilai_akhir = $nilai_absen + $nilai_tugas + $nilai_uts + $nilai_uas;

//menampilkan grade berdasarkan hasil nilai akhir

    if ($nilai_akhir>=86) {
        $grade = "A";
    }
    elseif ($nilai_akhir>=76) {
        $grade = "B";
    }
    elseif ($nilai_akhir>=66) {
        $grade = "C";
    }
    elseif ($nilai_akhir>=56) {
        $grade = "D";
    }
    elseif ($nilai_akhir>100) {
        $grade = "Nilai diluar reng";
    }
    else {
        $grade = "E";
    }
?>
<!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=1.0">
    <title>Document</title>
    <link rel="stylesheet" href="css/mahasiswa2.css">
</head>
<body>
<div class="mahasiswa">
    <form action="hasil_mahasiswa.php" method="post">
    <h1 align="center" class="judul">Hitung Nilai AKhir Mahasiswa</h1>
    <table align="center">
        <tr>
            <td>Nama Mahasiswa</td>
            <td>:</td>
            <td class="qwe"><?php echo $nama ?></td>
        </tr>
        <tr>
            <td>NIM</td>
            <td>:</td>
            <td><?php echo $nim ?></td>
        </tr>
        <tr>
            <td>Jenis Kelamin</td>
            <td>:</td>
            <td>
                <?php echo $jk ?>
            </td>
        </tr>
    </table>
    </div>
</body>
</html>

```



```

        </td>
    </tr>
    <tr>
        <td>Prodi</td>
        <td>:</td>
        <td>
            <?php echo $prodi ?>
        </td>
    </tr>
    <tr>
        <td>Mata Kuliah</td>
        <td>:</td>
        <td><?php echo $makul ?></td>
    </tr>
    <tr>
        <td>Nilai Absen</td>
        <td>:</td>
        <td><?php echo $nilai_absen ?></td>
    </tr>
    <tr>
        <td>Nilai Tugas</td>
        <td>:</td>
        <td><?php echo $nilai_tugas ?></td>
    </tr>
    <tr>
        <td>Nilai UTS</td>
        <td>:</td>
        <td><?php echo $nilai_uts ?></td>
    </tr>
    <tr>
        <td>Nilai UAS</td>
        <td>:</td>
        <td><?php echo $nilai_uas ?></td>
    </tr>
    <tr>
        <td>Nilai Akhir</td>
        <td>:</td>
        <td><?php echo $nilai_akhir ?></td>
    </tr>
    <tr>
        <td>Grade</td>
        <td>:</td>
        <td><?php echo "<h4>Grade : $grade</h4>" ?></td>
    </tr>
    <tr>
        <td colspan="3" align="center"><input type="submit" value="Hitung"
class="tombo1"></td>
    </tr>
</table>
</form>
</div>

```

```
</body>
</html>
```

CSS:

```
body{
  background: #F2F2F2;
  font-family: sans-serif;
  color: antiquewhite;
}

.mahasiswa{
  width: 500px;
  background: #72787c;
  margin: 100px auto;
  padding: 10px 20px 50px 20px;
  border-radius: 5px;
  box-shadow: 0px 10px 20px 0px #D1D1D1;
}

.bil{
  width: 300px;
  margin: 5px;
  border: none;
  font-size: 16pt;
  border-radius: 5px;
  padding: 10px;
}

.jk{
  font-size: 16px;
}

.opt{
  font-size: 16pt;
  border: none;
  width: 215px;
  margin: 5px;
  border-radius: 5px;
  padding: 10px;
}

.tombol{
  background: #5153ec;
  border-top: none;
  border-right: none;
  border-left: none;
  border-radius: 5px;
  padding: 10px 20px;
```

```

color: #eee;
font-size: 15pt;
border-bottom: 4px solid #3d46bf;
}

.judul{
text-align: center;
color: #eee;
font-weight: normal;
}

```

Hasil

The screenshot shows a web browser at the URL `localhost/praktikum/modul8/input_mahasiswa.php`. The page displays a form titled "Hitung Nilai Akhir Mahasiswa" with the following fields and values:

Field	Value
Nama Mahasiswa	Diki Irfandi Rosyid
NIM	19103138
Jenis Kelamin	<input checked="" type="radio"/> Laki-laki <input type="radio"/> Perempuan
Prodi	Sistem Informasi
Mata Kuliah	Desain Pemrograman Web
Nilai Absen	75
Nilai Tugas	85
Nilai UTS	80
Nilai UAS	90

A blue "Hitung" button is located at the bottom of the form.

The screenshot shows the same web browser at the URL `localhost/praktikum/modul8/hasil_mahasiswa.php`. The page displays the results of the calculation for the same student data:

Field	Value
Nama Mahasiswa	Diki Irfandi Rosyid
NIM	19103138
Jenis Kelamin	Laki-laki
Prodi	Sistem Informasi
Mata Kuliah	Desain Pemrograman Web
Nilai Absen	7.5
Nilai Tugas	17
Nilai UTS	24
Nilai UAS	36
Nilai Akhir	84.5
Grade	Grade : B

A blue "Hitung" button is still present at the bottom of the form. A purple circular icon with the number "0" is visible in the bottom right corner of the browser window.

3. Kasus 2

Input_penjualam.php

```
<html>
<head>
  <style>
    Body{
      text-align: center;
    }
  </style>
  <title>Menghitung Total Bayar </title>
  <link rel="stylesheet" href="css/penjualan.css">
</head>
<body>
  <div class="penjualan">
    <h1>Form Hitung Total Bayar</h1>
    <form action="hasil_penjualan.php" method="post">
      <table align="center">
        <tr>
          <td>Nama Barang</td>
          <td>:</td>
          <td>
            <select class="opt" name="barang" id="">
              <option value="">-Buah-</option>
              <option value="Mangga">Mangga</option>
              <option value="Pisang">Pisang</option>
              <option value="Semangka">Semangka</option>
              <option value="Jeruk">Jeruk</option>
              <option value="Apel">Apel</option>
            </select>
          </td>
        </tr>
        <tr>
          <td>Status</td>
          <td>:</td>
          <td>
            <select class="opt" name="status" id="">
              <option value="Pelanggan">Pelanggan</option>
              <option value="Bukan Pelanggan">Bukan Pelanggan</option>
            </select>
          </td>
        </tr>
        <tr>
          <td>Kota</td>
          <td>:</td>
          <td>
            <select class="opt" name="kota" id="">
              <option value="Jakarta">Jakarta</option>
              <option value="Bandung">Bandung</option>
              <option value="Lain">Lain</option>
            </select>
          </td>
        </tr>
      </table>
    </form>
  </div>
</body>
</html>
```

```

</tr>

<tr>
    <td>Jumlah Item Barang</td>
    <td>:</td>
    <td>
        <select class="opt" name="qty">
            <option value="">- Jumlah -</option>
            <?php
                for($x=1;$x<=50;$x++){
                    ?>
                    <option value="<?php echo $x; ?>"><?php echo $x; ?></option>
                <?php
                }
            ?>
        </select>
    </td>
</tr>
<tr>
    <td colspan="3" align="center">
        <input type="submit" name="hitung" value="Hitung" class="tombol">
        <input type="reset" name="reset" value="Reset" class="tombol">
    </td>
</tr>
</table>
</form>
<br><br><br>
</div>
<hr />

<div class="foot">
<table align="center">
    <h4>*Diskon</h4>
    <tr>
        <td>Pelanggan</td>
        <td>:</td>
        <td>10%</td>
    </tr>
    <tr>
        <td>Bukan Pelanggan</td>
        <td>:</td>
        <td>5%</td>
    </tr>
</table>

<table align="center">
    <h4>Daftar Harga Buah per KG</h4>
    <tr>
        <td>Mangga</td>
        <td>:</td>
        <td>Rp. 15.000</td>
    </tr>

```

```

        <tr>
            <td>Pisang</td>
            <td>:</td>
            <td>Rp. 12.000</td>
        </tr>
        <tr>
            <td>Semangka</td>
            <td>:</td>
            <td>Rp. 10.000</td>
        </tr>
        <tr>
            <td>Jeruk</td>
            <td>:</td>
            <td>Rp. 16.000</td>
        </tr>
        <tr>
            <td>Apel</td>
            <td>:</td>
            <td>Rp. 20.000</td>
        </tr>
    </table>

```

```

<table align="center">
    <h4>Ongkos Kirim</h4>
    <tr>
        <td>Jakarta</td>
        <td>:</td>
        <td>Rp. 25.000</td>
    </tr>
    <tr>
        <td>bandung</td>
        <td>:</td>
        <td>Rp. 35.000</td>
    </tr>
    <tr>
        <td>Lain Kota</td>
        <td>:</td>
        <td>Rp. 50.000</td>
    </tr>
</table>
</div>

```

```

</body>
</html>

```

Hasil_penjualan.php

```

<?php
    $barang = $_POST['barang'];
    $status = $_POST['status'];
    $kota = $_POST['kota'];
    $qty = $_POST['qty'];

```

```

if ($barang = "Mangga") {
    $kode = "IS001";
}
elseif ($barang = "Pisang") {
    $kode = "IS002";
}
elseif ($barang = "Semangka") {
    $kode = "IS003";
}
elseif ($barang = "Jeruk") {
    $kode = "IS004";
}
elseif ($barang = "Apel") {
    $kode = "IS005";
}
?>
<?php
    if ($barang = "Mangga") {
        $harga = '15000';
    }
    elseif ($barang = "Pisang") {
        $harga = '12000';
    }
    elseif ($barang = "Semangka") {
        $harga = '10000';
    }
    elseif ($barang = "Jeruk") {
        $harga = '16000';
    }
    elseif ($barang = "Apel") {
        $harga = '20000';
    }

    $subtotal = $qty*$harga
?>

<?php
    if ($status = "Pelanggan") {
        $diskon=$subtotal*'0.10';
    }else {
        $diskon=$subtotal*'0.05';
    }
?>
<?php
    if ($kota="Jakarta") {
        $ongkir='25000';
    }elseif ($kota="Bandung") {
        $ongkir='35000';
    }else {
        $ongkir='50000';
    }

```

```

$totalbayar= $subtotal + $ongkir - $diskon;
?>

<html>
<head>
    <title>Menghitung Total Bayar </title>
    <link rel="stylesheet" href="css/penjualan.css">
</head>
<body>
    <div class="penjualan">
        <h1 align="center">Form Hitung Total Bayar</h1>
        <form action="input_penjualan.php" method="post">
            <table align="center">
                <tr>
                    <td>Kode Barang</td>
                    <td>:</td>
                    <td><?php echo $kode ?></td>
                </tr>
                <tr>
                    <td>Nama Barang</td>
                    <td>:</td>
                    <td><?php echo $barang ?></td>
                </tr>
                <tr>
                    <td>Status</td>
                    <td>:</td>
                    <td><?php echo $status ?></td>
                </tr>
                <tr>
                    <td>Kota</td>
                    <td>:</td>
                    <td>
                        <?php echo $kota ?>
                    </td>
                </tr>
                <tr>
                    <td>Jumlah Item Barang</td>
                    <td>:</td>
                    <td>
                        <?php echo $qty; echo " kg" ?>
                    </td>
                </tr>
                <tr>
                    <td>Harga</td>
                    <td>:</td>
                    <td><?php echo "Rp. ";echo $harga ?></td>
                </tr>
                <tr>
                    <td>Subtotal</td>
                    <td>:</td>

```



```

        <td><?php echo "Rp. ";echo $subtotal ?></td>
    </tr>
    <tr>
        <td>Ongkos Kirim</td>
        <td>:</td>
        <td><?php echo "Rp. ";echo $ongkir ?></td>
    </tr>
    <tr>
        <td></td>
    </tr>
    <tr>
        <td></td>
    </tr>
    <tr>
        <td class="total">Total Bayar</td>
        <td class="total">:</td>
        <td class="total"><b><?php echo "Rp. ";echo $totalbayar ?></b></td>
    </tr>
    <tr>
        <td colspan="3" align="center">
            <input type="submit" name="kembali" value="Kembali" class="tombol">
        </td>
    </tr>
</table>
</form>
</div>
<hr />
<br><br><br>
<div class="foot">
<table align="center">
    <h4>*Diskon</h4>
    <tr>
        <td>Pelanggan</td>
        <td>:</td>
        <td>10%</td>
    </tr>
    <tr>
        <td>Bukan Pelanggan</td>
        <td>:</td>
        <td>5%</td>
    </tr>
</table>

<table align="center">
    <h4>Daftar Harga Buah per KG</h4>
    <tr>
        <td>Mangga</td>
        <td>:</td>
        <td>Rp. 15.000</td>
    </tr>
    <tr>
        <td>Pisang</td>

```

```

        <td>:</td>
        <td>Rp. 12.000</td>
    </tr>
    <tr>
        <td>Semangka</td>
        <td>:</td>
        <td>Rp. 10.000</td>
    </tr>
    <tr>
        <td>Jeruk</td>
        <td>:</td>
        <td>Rp. 16.000</td>
    </tr>
    <tr>
        <td>Apel</td>
        <td>:</td>
        <td>Rp. 20.000</td>
    </tr>
</table>

<table align="center">
    <h4>Ongkos Kirim</h4>
    <tr>
        <td>Jakarta</td>
        <td>:</td>
        <td>Rp. 25.000</td>
    </tr>
    <tr>
        <td>bandung</td>
        <td>:</td>
        <td>Rp. 35.000</td>
    </tr>
    <tr>
        <td>Lain Kota</td>
        <td>:</td>
        <td>Rp. 50.000</td>
    </tr>
</table>
</div>
</body>
</html>

```

Penjualan.css

```

body{
    background: #F2F2F2;
    font-family: sans-serif;
    color: antiquewhite;
}

.penjualan{
    width: 500px;

```

```

background: #72787c;
margin: 100px auto;
padding: 10px 20px 50px 20px;
border-radius: 5px;
box-shadow: 0px 10px 20px 0px #D1D1D1;
}

.opt{
font-size: 16pt;
border: none;
width: 215px;
margin: 5px;
border-radius: 5px;
padding: 10px;
}

.tombol{
background: #5153ec;
border-top: none;
border-right: none;
border-left: none;
border-radius: 5px;
padding: 10px 20px;
color: #eee;
font-size: 15pt;
border-bottom: 4px solid #3d46bf;
margin-top: 20px;
}

.total{
font-size: 20px;
}

.foot{
color: #72787c;
text-align: center;
}

.foot tr td{
color: #72787c;
}

```

Hasil:

Form Hitung Total Bayar

Nama Barang : Mangga

Status : Pelanggan

Kota : Jakarta

Jumlah Item Barang : 10

[Hitung](#) [Reset](#)

***Diskon**

Pelanggan : 10%

Bukan Pelanggan : 5%

Daftar Harga Buah per KG

Mangga : Rp. 15.000

Pisang : Rp. 12.000

Semangka : Rp. 10.000

Jeruk : Rp. 16.000

Apel : Rp. 20.000

Ongkos Kirim

Jakarta : Rp. 25.000

bandung : Rp. 35.000

Lain Kota : Rp. 50.000

Form Hitung Total Bayar

Kode Barang : IS001

Nama Barang : Mangga

Status : Pelanggan

Kota : Jakarta

Jumlah Item Barang : 10 kg

Harga : Rp. 15000

Subtotal : Rp. 150000

Ongkos Kirim : Rp. 25000

Total Bayar : Rp. 160000

[Kembali](#)