

**LAPORAN PRAKTIKUM  
PEMROGRAMAN WEB LANJUT  
S1-SISTEM INFORMASI**

**“ LAPORAN PRAKTIKUM MODUL 2”**



**Disusun Oleh :**

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**S1 – SISTEM INFORMASI  
FAKULTAS ILMU KOMPUTER  
UNIVERSITAS AMIKOM YOGYAKARTA**

**2025**

## MODUL KE DUA

### *Variabel. Tipe Data dan Form Parameter*

#### A. Tujuan

Setelah praktikum ini, praktikan diharapkan dapat : (isi dengan tujuan pembelajaran)

1. Mampu menjelaskan pemahaman aturan variable dan konstanta, tipe data dan operator
2. Memahami konsep penggunaan form parameter metode (POST dan GET)

#### B. Peralatan

1. System operasi windows
2. Visual studio code
3. Xampp
4. Web browser mozilla firefox

#### C. Hasil dan Pembahasan

(isi dengan hasil dan pembahasan dari tugas anda, Pastikan screenshot jelas dan terbaca)

**COPY PASTE CODING TEMAN NILAI default = 3**

**Anda boleh mengembangkan tampilannya, atau menambahkan identitas diri pada setiap file, namun inti dari script wajib tetap ada**

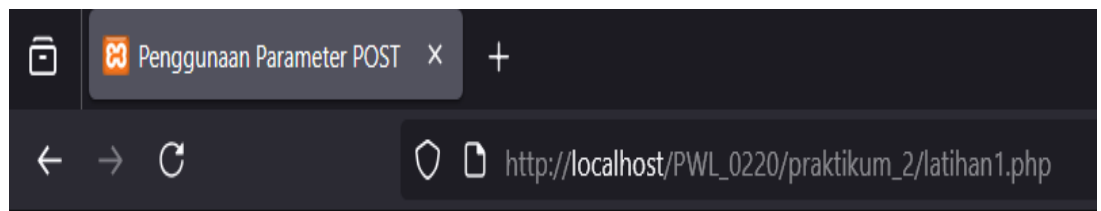
1. Screenshot Script, Output Latihan Praktikum dan penjelasan script
  - a. Screenshot Script, Output dan penjelasan script Latihan 1.4.1

Source code:

```
latihan1.php U X  action1.php U
praktikum_2 > latihan1.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Penggunaan Parameter POST</title>
7  </head>
8  <body>
9      <h1> INFORMASI USER</h1>
10     <form action="action1.php" method="POST">
11         <table>
12             <tr>
13                 <td>Nama</td>
14                 <td>:</td>
15                 <td><input type="text" name="namauser"></td>
16             </tr>
17             <tr>
18                 <td>Email</td>
19                 <td>:</td>
20                 <td><input type="email" name="emailuser"></td>
21             </tr>
22             <tr>
23                 <td><input type="submit"></td>
24             </tr>
25         </table>
26     </form>
27 </body>
28 </html>
```

```
latihan1.php U  action1.php U X
praktikum_2 > action1.php
1  <?php
2
3  $namanya = $_POST['namauser'];
4  $emailnya = $_POST['emailuser'];
5
6  echo "Nama user adalah: $namanya <br>";
7  echo "Email User adalah : $emailnya <br>";|
```

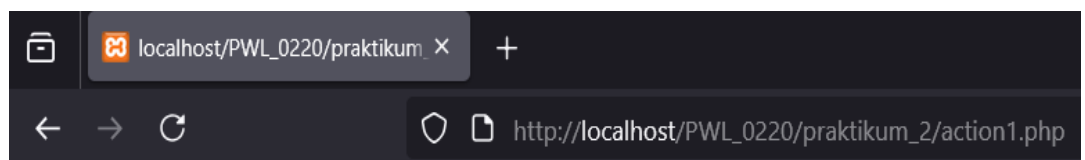
Output:



## INFORMASI USER

Nama :

Email :



Nama user adalah: kalvin  
Email User adalah : kalvin@contoh.com

Explanation:

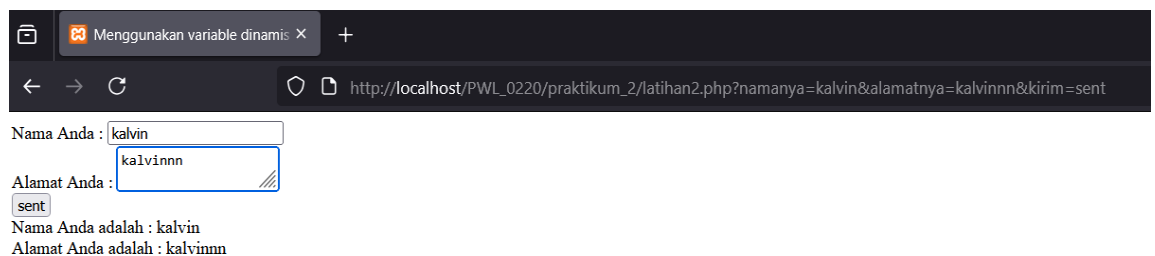
In this code, I make a post php program. With post method, sensitive information about user will never be leak by the program the difference from the GET method is GET method will show what happen in the program at the url bar

b. Screenshot Script, Output dan penjelasan script Latihan 1.4.2

Source code:

```
latihan2.php U X
praktikum_2 > latihan2.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Menggunakan variable dinamis dalam satu halaman</title>
7  </head>
8  <body>
9      <form action = "latihan2.php" method = "GET">
10         Nama Anda : <input type = "text" name = "namanya"> <br>
11         Alamat Anda : <textarea name= "alamatnya"></textarea><br>
12         <input type= "submit" name="kirim" value="sent">
13     </form>
14     <?php
15     if(isset($_GET['kirim'])){
16         echo "Nama Anda adalah : $_GET[namanya]<br>";
17         echo "Alamat Anda adalah : $_GET[alamatnya]<br>";
18     }
19     ?>
20 </body>
21 </html>
```

Output:



Menggunakan variable dinamis X +

← → ↻ http://localhost/PWL\_0220/praktikum\_2/latihan2.php?namanya=kalvin&alamatnya=kalvinnn& kirim=sent

Nama Anda : kalvin

Alamat Anda : kalvinnn

sent

Nama Anda adalah : kalvin

Alamat Anda adalah : kalvinnn

Explanation:

In this code, I use the GET method. As we can see, in the url bar, the system is automatically sending where the data is gonna send and keep. Meanwhile the POST method will just gonna show what is the name of the page in the url.

c. Screenshot Script, Output dan penjelasan script Latihan 1.4.3

Source code:

praktikum\_2 &gt; aritmikapost.php

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Aritmatika 0220</title>
7 </head>
8 <body>
9   font-family: Arial, sans-serif;
10  background-color: #eaeff4ff;
11  display: flex;
12  justify-content: center;
13  align-items: center;
14  height: 100vh;
15  margin: 0;
16
17  .container {
18    background-color: #ffffff;
19    padding: 30px 40px;
20    border-radius: 12px;
21    box-shadow: 0 6px 12px rgba(0, 0, 0, 0.1);
22    width: 100%;
23    max-width: 450px;
24  }
25  h2 {
26    text-align: center;
27    color: #343a40;
28    margin-bottom: 25px;
29  }
30  .form-group {
31    margin-bottom: 20px;
32  }
33  .form-group label {
34    display: block;
35    margin-bottom: 8px;
36    color: #495057;
37    font-weight: bold;
38  }
39  input[type="text"],
40  input[type="number"] {
41    width: 100%;
42    padding: 12px;
43    border: 1px solid #ced4da;
44    border-radius: 8px;
45    box-sizing: border-box;
46    transition: border-color 0.3s, box-shadow 0.3s;
47  }
48  input[type="text"]:focus,
49  input[type="number"]:focus {
50    outline: none;
51    border-color: #80bdff;
52    box-shadow: 0 0 5px rgba(0, 123, 255, 0.25);
53  }
```

```
54     button {
55         width: 100%;
56         padding: 12px;
57         border: none;
58         border-radius: 8px;
59         background-color: #28a745;
60         color: white;
61         font-size: 16px;
62         font-weight: bold;
63         cursor: pointer;
64     }
65     button:hover {
66         background-color: #218838;
67     }
68 </style>
69 </head>
70 <body>
71     <div class="container">
72         <h2> Kalkulator Sangat Sederhana</h2>
73         <form action="matika1.php" method="POST">
74             <div class="form-group">
75                 <label for="angka1">Angka Pertama:</label>
76                 <input type="number" id="angka1" name="angka1" placeholder="Masukkan angka pertama" required>
77             </div>
78             <div class="form-group">
79                 <label for="angka2">Angka Kedua:</label>
80                 <input type="number" id="angka2" name="angka2" placeholder="Masukkan angka kedua" required>
81             </div>
82             <button type="submit">Hitung Sekarang</button>
83         </form>
84     </div>
85 </body>
86 </html>
```

praktikum\_2 &gt; matika1.php

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Hasil Perhitungan</title>
7      <style>
8          body {
9              font-family: Arial, sans-serif;
10             background-color: #e9ecef;
11             display: flex;
12             justify-content: center;
13             align-items: center;
14             height: 100vh;
15             margin: 0;
16         }
17         .container {
18             background-color: #ffffff;
19             padding: 30px 40px;
20             border-radius: 12px;
21             box-shadow: 0 6px 12px rgba(0, 0, 0, 0.1);
22             width: 100%;
23             max-width: 500px;
24         }
25         h2 {
26             font-size: 30px;
27             text-align: center;
28             color: #28a745;
29             margin-bottom: 20px;
30         }
31         .intro {
32             text-align: center;
33             margin-bottom: 20px;
34             font-size: 18px;
35         }
36         .result-table {
37             width: 100%;
38             border-collapse: collapse;
39             margin-top: 20px;
40         }
41         .result-table td {
42             padding: 12px;
43             border-bottom: 1px solid #dee2e6;
44         }
45         .result-table tr:last-child td {
46             border-bottom: none;
47         }
48         .operator {
49             font-weight: bold;
50             color: #007bff;
51             width: 40%;
52         }
```



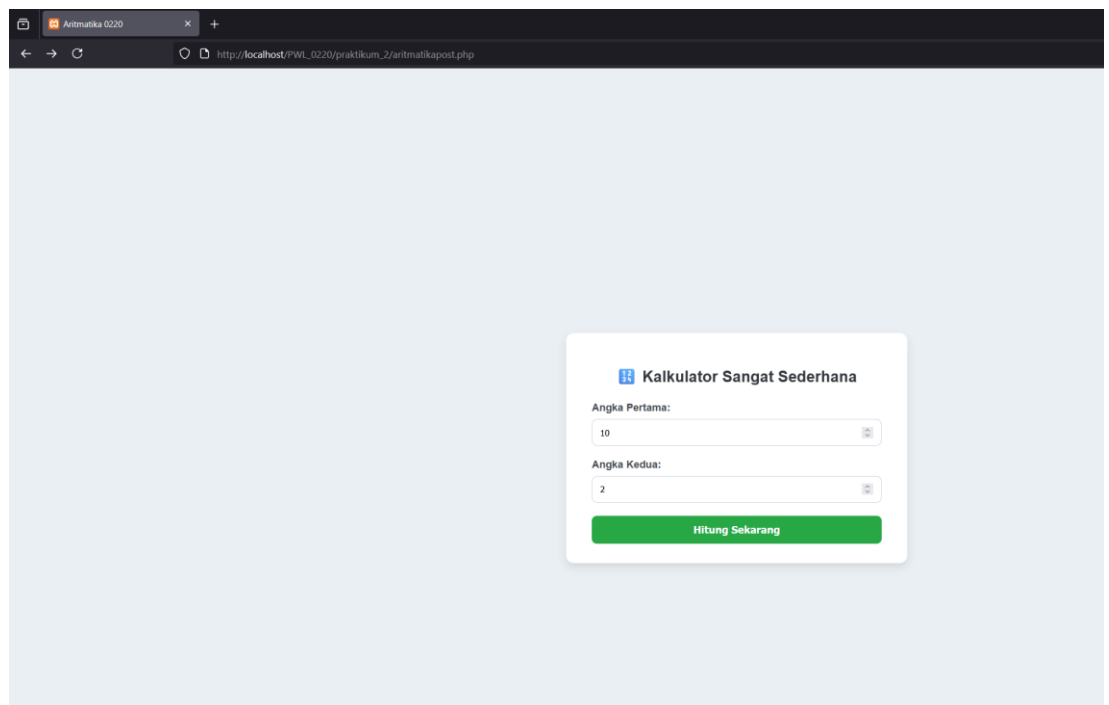
praktikum\_2 > matika1.php

```

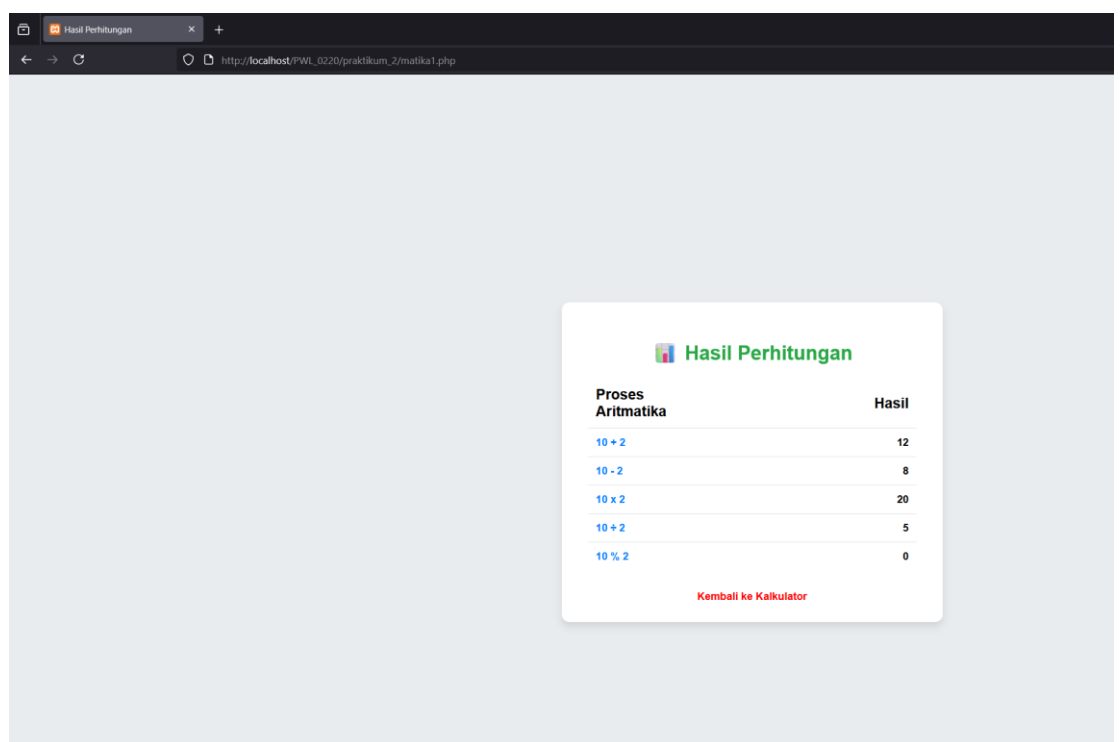
2  <html lang="en">
3  <head>
7  <style>
53  .judul{
54      font-size: 22px;
55      font-weight: bold;
56      text-align: left;
57  }
58  .hasil {
59      font-weight: bold;
60      text-align: right;
61  }
62  .result{
63      font-size: 22px;
64      font-weight: bold;
65      text-align: right;
66  }
67  .back-link {
68      display: block;
69      text-align: center;
70      margin-top: 30px;
71      text-decoration: none;
72      color: #ff0000ff;
73      font-weight: bold;
74  }
75  .back-link:hover {
76      text-decoration: underline;
77  }
78  </style>
79  </head>
80  <body>
81  <div class="container">
82      <h2> Hasil Perhitungan</h2>
83      <?php
84
85          $angka1 = $_POST['angka1'];
86          $angka2 = $_POST['angka2'];
87
88          $penjumlahan = $angka1 + $angka2;
89          $pengurangan = $angka1 - $angka2;
90          $perkalian = $angka1 * $angka2;
91          $pembagian = $angka1 / $angka2;
92          $modulus = $angka1 % $angka2;
93
94
95
96      echo "<table class='result-table'>";
97
98          echo "<tr><td class='judul'>Proses Aritmatika</td><td class='result'>Hasil</td></tr>";
99          echo "<tr><td class='operator'>$angka1 + $angka2</td><td class='hasil'> $penjumlahan</td></tr>";
100         echo "<tr><td class='operator'>$angka1 - $angka2</td><td class='hasil'> $pengurangan</td></tr>";
101         echo "<tr><td class='operator'>$angka1 x $angka2</td><td class='hasil'> $perkalian</td></tr>";
102         echo "<tr><td class='operator'>$angka1 ÷ $angka2</td><td class='hasil'> $pembagian</td></tr>";
103         echo "<tr><td class='operator'>$angka1 % $angka2</td><td class='hasil'> $modulus</td></tr>";
104         echo "</table>";
105
106     ?>
107     <a href="form_aritmatika.php" class="back-link">Kembali ke Kalkulator</a>
108 </div>
109 </body>
110 </html>

```

Output:



A screenshot of a web browser window. The address bar shows the URL `http://localhost/PWL_0220/praktikum_2/aritmatikapost.php`. The page content is a light blue rectangle. In the center, there is a white card with a green border. The card has a title "Kalkulator Sangat Sederhana" with a small icon. Below the title, there are two input fields: "Angka Pertama:" with the value "10" and "Angka Kedua:" with the value "2". At the bottom of the card is a green button labeled "Hitung Sekarang".



A screenshot of a web browser window. The address bar shows the URL `http://localhost/PWL_0220/praktikum_2/matika1.php`. The page content is a light blue rectangle. In the center, there is a white card with a green border. The card has a title "Hasil Perhitungan" with a small icon. Below the title, there is a table with two columns: "Proses Aritmatika" and "Hasil". The table contains five rows of data. At the bottom of the card is a red button labeled "Kembali ke Kalkulator".

Proses Aritmatika	Hasil
$10 + 2$	12
$10 - 2$	8
$10 \times 2$	20
$10 \div 2$	5
$10 \% 2$	0

Explanation:

In this arithmetic code, I'm using post method. The css styling is internal inside the head section. For the body can floating, I'm using `display: flex; justify-content: center; align-items: center; and height: 100vh;`

If we didn't use `display:flex`, the floating box will by default put at the top left corner. If we didn't use `justify-content: center`, the box not gonna be at the center of the screen, still at the center but at the left side. If we didn't use `align-items: center`, the box will be extending up and down. If we didn't use `height:100 vh`, the box will at the center but the box position will be at top center.

## 2. Screenshot Script dan Output Tugas (Pastikan jelas dan terbaca)

Source code:

```
formulir.php U X outputFormulir.php U
praktikum_2 > formulir.php
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Form Input Biodata</title>
7 <style>
8
9     body {
10         font-family: Arial, sans-serif;
11         background-color: #f0f2f5;
12         display: flex;
13         justify-content: center;
14         align-items: center;
15         height: 100vh;
16         margin: 0;
17     }
18     .container {
19         background-color: #ffffff;
20         padding: 30px;
21         border-radius: 10px;
22         box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
23         width: 100%;
24         max-width: 500px;
25     }
26     h2 {
27         text-align: center;
28         color: #333;
29     }
30     .form-group {
31         margin-bottom: 15px;
32     }
33     .form-group label {
34         display: block;
35         margin-bottom: 5px;
36         color: #555;
37     }
38     input[type="text"],
39     input[type="email"],
40     input[type="date"],
41     select {
42         width: 100%;
43         padding: 10px;
44         border: 1px solid #ccc;
45         border-radius: 5px;
46         box-sizing: border-box;
47     }
48     .radio-group {
49         display: flex;
50         gap: 20px;
51     }
52     .button-group {
53         display: flex;
54         gap: 10px;
55         margin-top: 20px;
56     }
57     .button-group button {
58         flex-grow: 1;
59         padding: 12px;
60         border: none;
61         border-radius: 5px;
62         font-size: 16px;
63         cursor: pointer;
64         transition: background-color 0.3s;
65     }
```

```

57     .button-group button {
58         flex-grow: 1;
59         padding: 12px;
60         border: none;
61         border-radius: 5px;
62         font-size: 16px;
63         cursor: pointer;
64         transition: background-color 0.3s;
65     }
66     .button-group button[type="submit"] {
67         background-color: #007bff;
68         color: white;
69     }
70     .button-group button[type="submit"]:hover {
71         background-color: #0056b3;
72     }
73     .button-group button[type="reset"] {
74         background-color: #6c757d;
75         color: white;
76     }
77     .button-group button[type="reset"]:hover {
78         background-color: #5a6268;
79     }
80 </style>
81 </head>
82 <body>
83     <div class="container">
84         <h2>Form Biodata Mahasiswa</h2>
85         <form action="outputFormulir.php" method="POST">
86             <div class="form-group">
87                 <label for="nama">Nama Anda:</label>
88                 <input type="text" id="nama" name="nama" required>
89             </div>
90             <div class="form-group">
91                 <label for="email">Email:</label>
92                 <input type="email" id="email" name="email" required>
93             </div>
94             <div class="form-group">
95                 <label>Jenis Kelamin:</label>
96                 <div class="radio-group">
97                     <label><input type="radio" name="jenis_kelamin" value="Perempuan" required> Perempuan</label>
98                     <label><input type="radio" name="jenis_kelamin" value="Laki-Laki"> Laki-Laki</label>
99                 </div>
100             </div>
101             <div class="form-group">
102                 <label for="nim">NIM:</label>
103                 <input type="text" id="nim" name="nim" required>
104             </div>
105             <div class="form-group">
106                 <label for="tanggal_lahir">Tanggal Lahir:</label>
107                 <input type="date" id="tanggal_lahir" name="tanggal_lahir" required>
108             </div>
109             <div class="form-group">
110                 <label for="prodi">Prodi:</label>
111                 <select id="prodi" name="prodi" required>
112                     <option value="Sistem Informasi">Sistem Informasi</option>
113                     <option value="Informatika">Informatika</option>
114                     <option value="Manajemen Informatika">Manajemen Informatika</option>
115                 </select>
116             </div>

```

```

117         <div class="button-group">
118             <button type="submit">Hitung Usia</button>
119             <button type="reset">Reset</button>
120         </div>
121     </form>
122 </div>
123 </body>
124 </html>

```

```

formulir.php U  outputFormulir.php U X
praktikum_2 > outputFormulir.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Hasil Biodata</title>
7      <style>
8
9          body {
10             font-family: Arial, sans-serif;
11             background-color: #f0f2f5;
12             display: flex;
13             justify-content: center;
14             align-items: center;
15             height: 100vh;
16             margin: 0;
17         }
18         .container {
19             background-color: #ffffff;
20             padding: 30px;
21             border-radius: 10px;
22             box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
23             width: 100%;
24             max-width: 500px;
25             line-height: 1.8;
26         }
27         h2 {
28             text-align: center;
29             color: #007bff;
30         }
31         .result-item {
32             margin-bottom: 10px;
33         }
34     </style>
35 </head>
36 <body>
37     <div class="container">
38         <h2>Hasilnya:</h2>
39         <?php
40
41             if ($_SERVER["REQUEST_METHOD"] == "POST") {
42
43                 $nama = htmlspecialchars(string: $_POST['nama']);
44                 $email = htmlspecialchars(string: $_POST['email']);
45                 $jenis_kelamin = htmlspecialchars(string: $_POST['jenis_kelamin']);
46                 $nim = htmlspecialchars(string: $_POST['nim']);
47                 $tanggal_lahir_str = $_POST['tanggal_lahir'];
48                 $prodi = htmlspecialchars(string: $_POST['prodi']);
49
50
51                 $tgl_lahir_obj = new DateTime(datetime: $tanggal_lahir_str);
52                 $hari_ini = new DateTime(datetime: 'today');
53                 $umur = $hari_ini->diff(targetObject: $tgl_lahir_obj)->y;
54
55
56                 $tanggal_lahir_formatted = date(format: 'd-m-Y', timestamp: strtotime(datetime: $tanggal_lahir_str));
57
58
59                 echo "<div class='result-item'>Halo, <strong>" . $nama . "</strong></div>";
60                 echo "<div class='result-item'>Email anda adalah <strong>" . $email . "</strong></div>";
61                 echo "<div class='result-item'>Anda <strong>" . $jenis_kelamin . "</strong></div>";
62                 echo "<div class='result-item'>NIM anda yaitu <strong>" . $nim . "</strong></div>";
63                 echo "<div class='result-item'>Tanggal Lahir anda <strong>" . $tanggal_lahir_formatted . "</strong></div>";
64                 echo "<div class='result-item'>Prodi anda <strong>" . $prodi . "</strong></div>";
65                 echo "<div class='result-item'>Usia anda saat ini adalah <strong>" . $umur . " tahun</strong></div>";
66             } else {

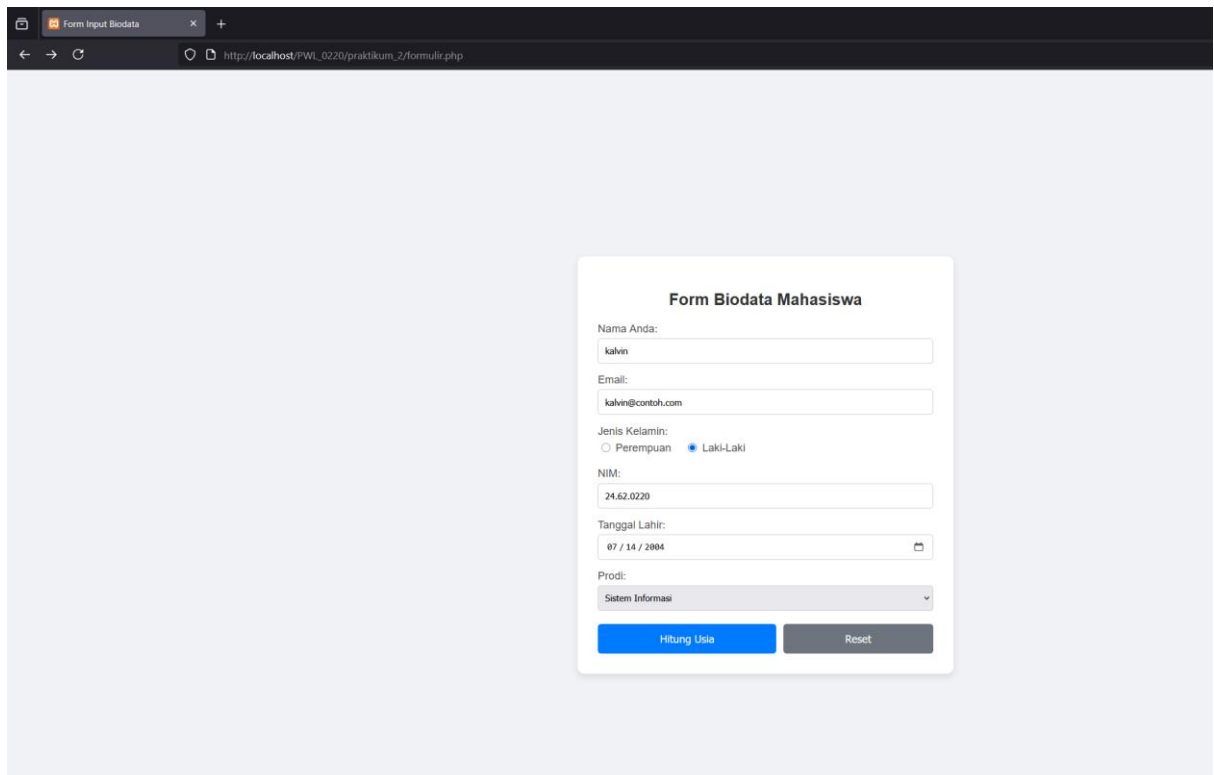
```

```

66     } else {
67         echo "<p>Silakan isi formulir terlebih dahulu.</p>";
68     }
69     ?>
70 </div>
71 </body>
72 </html>

```

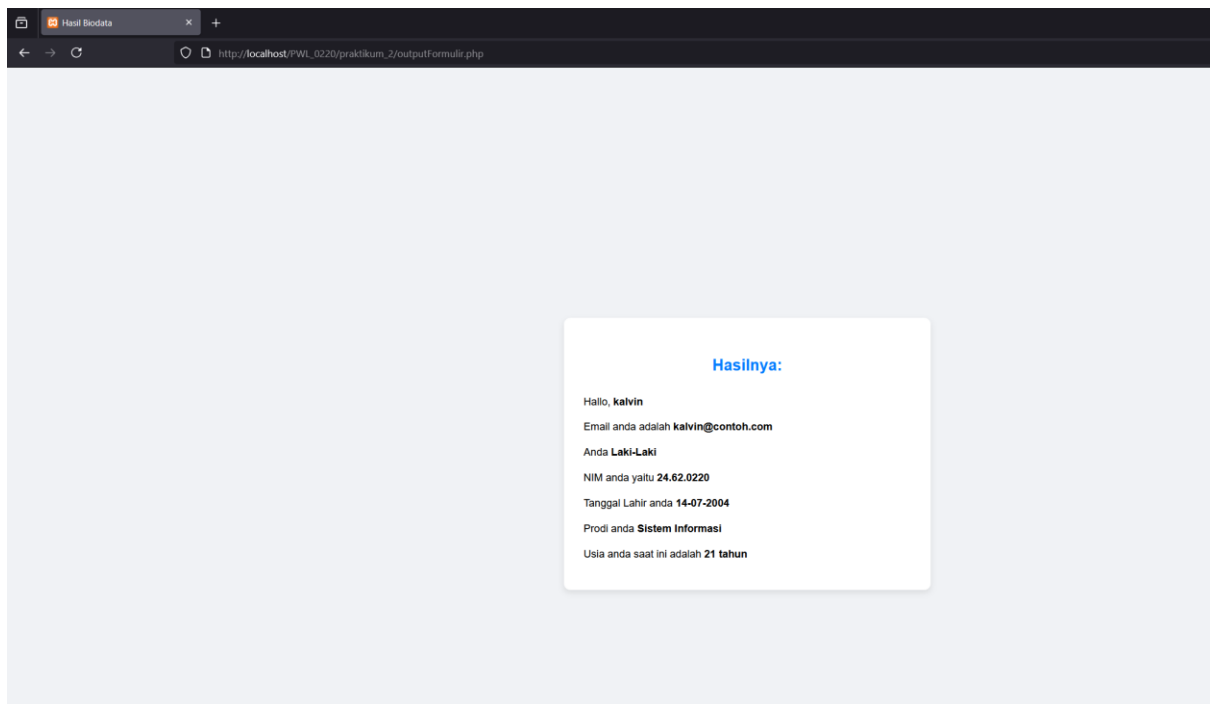
Output:



The screenshot shows a web browser window with the address bar displaying `http://localhost/PWL_0220/praktikum_2/formulir.php`. The page contains a form titled "Form Biodata Mahasiswa". The form fields are as follows:

- Nama Anda:
- Email:
- Jenis Kelamin: ☐ Perempuan ☒ Laki-Laki
- NIM:
- Tanggal Lahir:
- Prodi:

At the bottom of the form are two buttons: "Hitung Usia" (highlighted in blue) and "Reset".



The screenshot shows a web browser window with the address bar displaying `http://localhost/PWL_0220/praktikum_2/outputFormulir.php`. The page displays the results of the form submission under the heading "Hasilnya:". The output is as follows:

Hallo, kalvin

Email anda adalah kalvin@contoh.com

Anda **Laki-Laki**

NIM anda yaitu **24.62.0220**

Tanggal Lahir anda **14-07-2004**

Prodi anda **Sistem Informasi**

Usia anda saat ini adalah **21 tahun**

## Explanation

In this code, I made two php files and linking one to another, in this case I link the `outputFormulir.php` to `formulir.php`. In the `formulir.php`, it will gonna be the input

page. And in the outputFormulir.php, the system will do the age counting in there. Using logic of reduced today date by input date.

```
$tgl_lahir_obj = new DateTime($tanggal_lahir_str);
```

```
$hari_ini = new DateTime('today');
```

```
$umur = $hari_ini->diff($tgl_lahir_obj)->y;
```

That 3 line of code is responsible for the age counting program. First we need to make a new variable as integer and using “new Date time” the system will convert the string date time to integer date time. After that we need to find today date time using ‘today’. After that, we need to reduced \$hari\_ini by \$tgl\_lahir\_obj, the ->y is referring to year in the date time position. And now \$umur is containing the age of the user.

#### **D. Error /Kesulitan**

#### **E. Daftar Pustaka**

1. <https://www.guruprajab.com/belajar-php-mengenal-tanggal-dan-waktu-datetime-pada-php/>
2. <https://www.w3docs.com/learn-php/new.html>
3. <https://www.w3schools.com/php/default.asp>