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 vode

3. Xampp

4. Web browser mozilla firefox

5. Git hub

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

Link Git Hub:

https://github.com/1-kain/PWL_0220

(untuk tugas praktikum 1 saya satukan ke repository baru, link nya sama dengan link di atas)
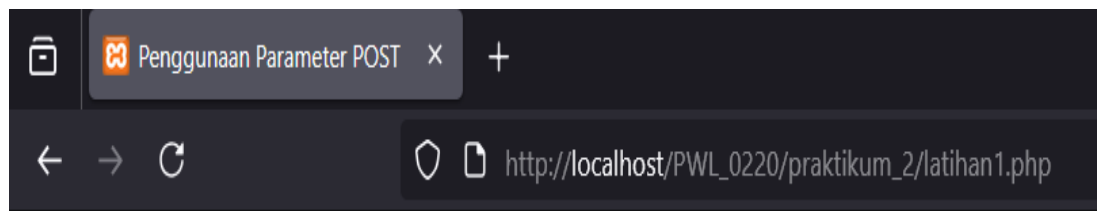
1. Screenshot Script, Output Latihan Praktikum dan penjelasan script

    a. Screenshot Script, Output dan penjelasan script Latihan 1.4.1

        Source code:

```php
latihan1.php U ×        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>
```

```php
latihan1.php U          action1.php U ×

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>";
```
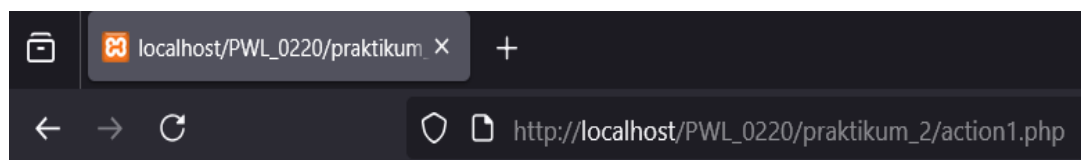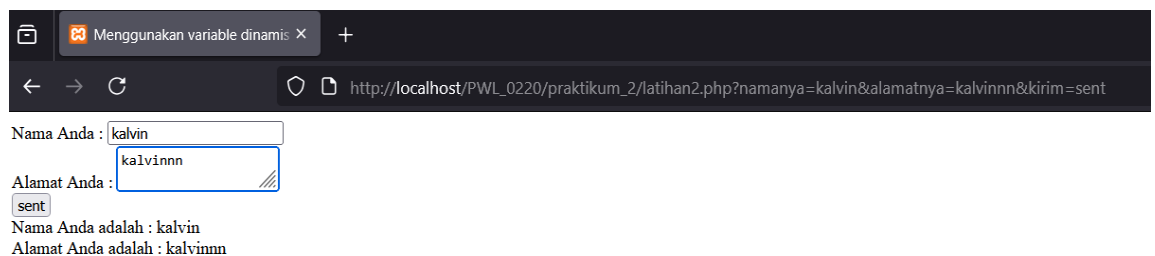
Output:

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    +

←  →  C          http://localhost/PWL_0220/praktikum_2/latihan2.php?namanya=kalvin&alamatnya=kalvinnn&kirim=sent

Nama Anda : kalvin
            kalvinnn
Alamat Anda :
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 automaticlly 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:

```php
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Aritmatika 0220</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            background-color: #eaeff4ff;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
        }
        .container {
            background-color: #ffffff;
            padding: 30px 40px;
            border-radius: 12px;
            box-shadow: 0 6px 12px rgba(0, 0, 0, 0.1);
            width: 100%;
            max-width: 450px;
        }
        h2 {
            text-align: center;
            color: #343a40;
            margin-bottom: 25px;
        }
        .form-group {
            margin-bottom: 20px;
        }
        .form-group label {
            display: block;
            margin-bottom: 8px;
            color: #495057;
            font-weight: bold;
        }
        input[type="text"],
        input[type="number"] {
            width: 100%;
            padding: 12px;
            border: 1px solid #ced4da;
            border-radius: 8px;
            box-sizing: border-box;
            transition: border-color 0.3s, box-shadow 0.3s;
        }
        input[type="text"]:focus,
        input[type="number"]:focus {
            outline: none;
            border-color: #80bdff;
            box-shadow: 0 0 5px rgba(0, 123, 255, 0.25);
        }
```

```
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>
```

```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           }
```
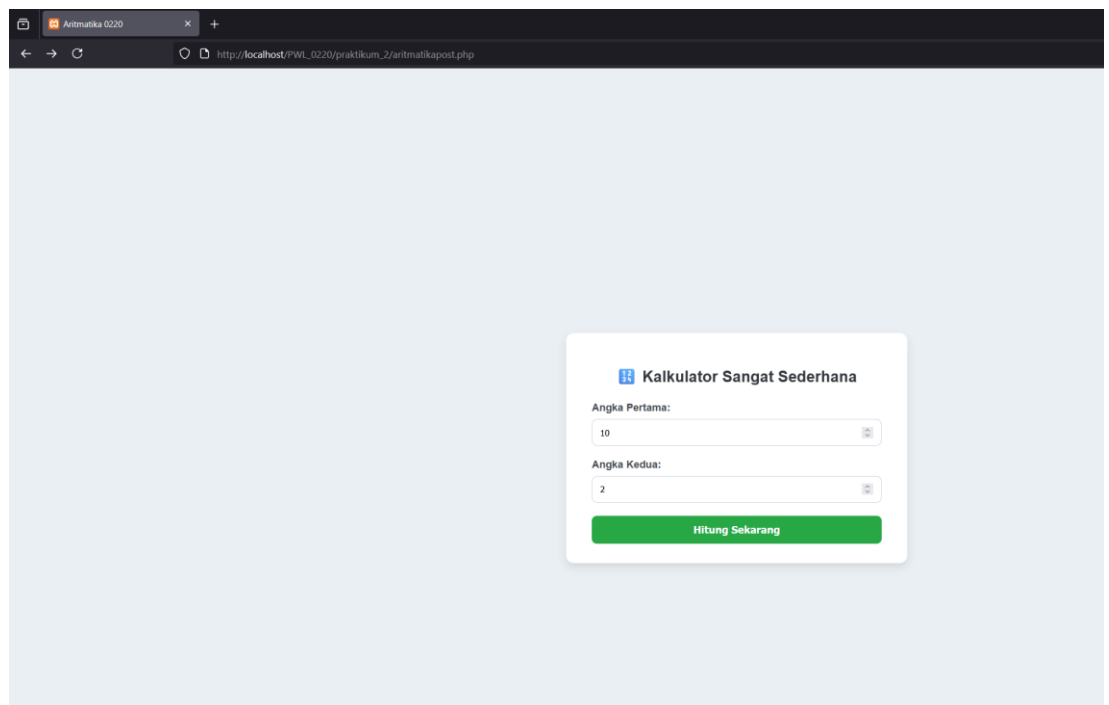
```php
2    <html lang="en">
3    <head>
7        <style>
53            .judul{
54                font-size: 22px;
55                font-weight: bold;
56                text-align: left;
57            }
58            .hasil {
59                font-weight: bold;
60                text-align: right;
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
89            $penjumlahan = $angka1 + $angka2;
90            $pengurangan = $angka1 - $angka2;
91            $perkalian = $angka1 * $angka2;
92            $pembagian = $angka1 / $angka2;
93            $modulus = $angka1 % $angka2;
94
95
96            echo "<table class='result-table'>";
97
98                echo "<tr><td class='judul'>Proses Aritmatika</td><td class='result'>Hasil</td></tr>";
99                echo "<tr><td class='operator'>$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>
```
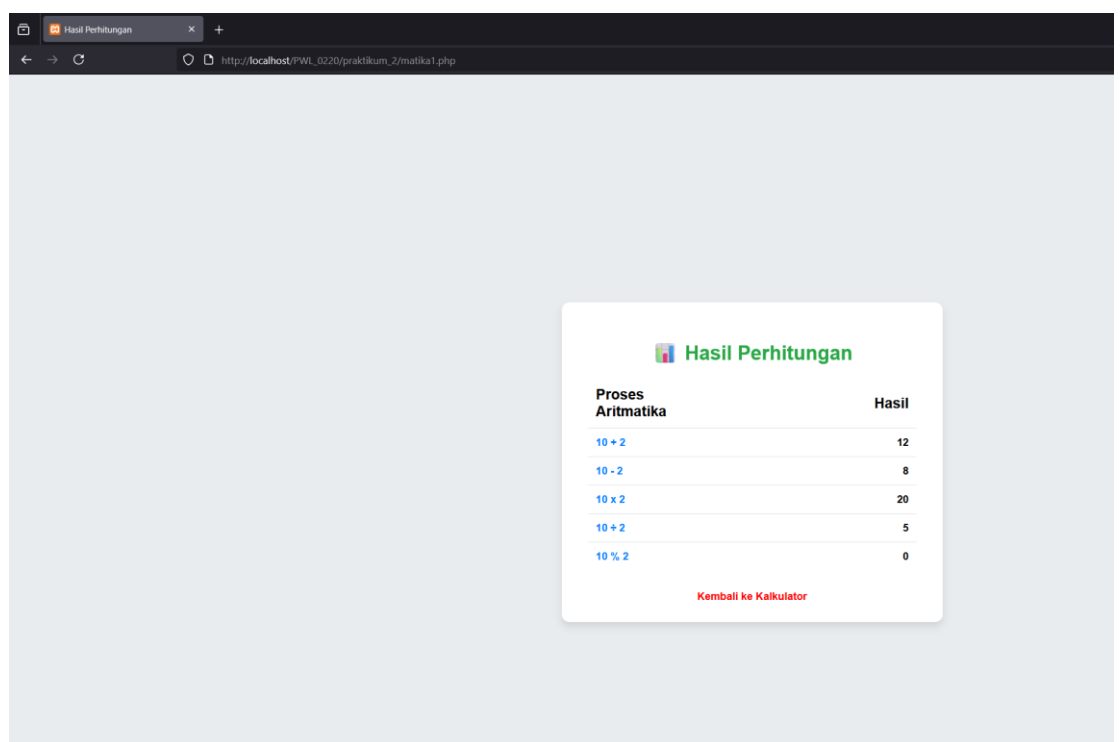
Output:

Explanation:

In this aritmathic 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 floting 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            }
```

```html
        .button-group button {
            flex-grow: 1;
            padding: 12px;
            border: none;
            border-radius: 5px;
            font-size: 16px;
            cursor: pointer;
            transition: background-color 0.3s;
        }
        .button-group button[type="submit"] {
            background-color: #007bff;
            color: white;
        }
        .button-group button[type="submit"]:hover {
            background-color: #0056b3;
        }
        .button-group button[type="reset"] {
            background-color: #6c757d;
            color: white;
        }
        .button-group button[type="reset"]:hover {
            background-color: #5a6268;
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>Form Biodata Mahasiswa</h2>
        <form action="outputFormulir.php" method="POST">
            <div class="form-group">
                <label for="nama">Nama Anda:</label>
                <input type="text" id="nama" name="nama" required>
            </div>
            <div class="form-group">
                <label for="email">Email:</label>
                <input type="email" id="email" name="email" required>
            </div>
            <div class="form-group">
                <label>Jenis Kelamin:</label>
                <div class="radio-group">
                    <label><input type="radio" name="jenis_kelamin" value="Perempuan" required> Perempuan</label>
                    <label><input type="radio" name="jenis_kelamin" value="Laki-Laki"> Laki-Laki</label>
                </div>
            </div>
            <div class="form-group">
                <label for="nim">NIM:</label>
                <input type="text" id="nim" name="nim" required>
            </div>
            <div class="form-group">
                <label for="tanggal_lahir">Tanggal Lahir:</label>
                <input type="date" id="tanggal_lahir" name="tanggal_lahir" required>
            </div>
            <div class="form-group">
                <label for="prodi">Prodi:</label>
                <select id="prodi" name="prodi" required>
                    <option value="Sistem Informasi">Sistem Informasi</option>
                    <option value="Informatika">Informatika</option>
                    <option value="Manajemen Informatika">Manajemen Informatika</option>
                </select>
            </div>
            <div class="button-group">
                <button type="submit">Hitung Usia</button>
                <button type="reset">Reset</button>
            </div>
        </form>
    </div>
</body>
</html>
```

```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'>Hallo, <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 {
67                  echo "<p>Silakan isi formulir terlebih dahulu.</p>";
68              }
69          ?>
70      </div>
71  </body>
72  </html>
```
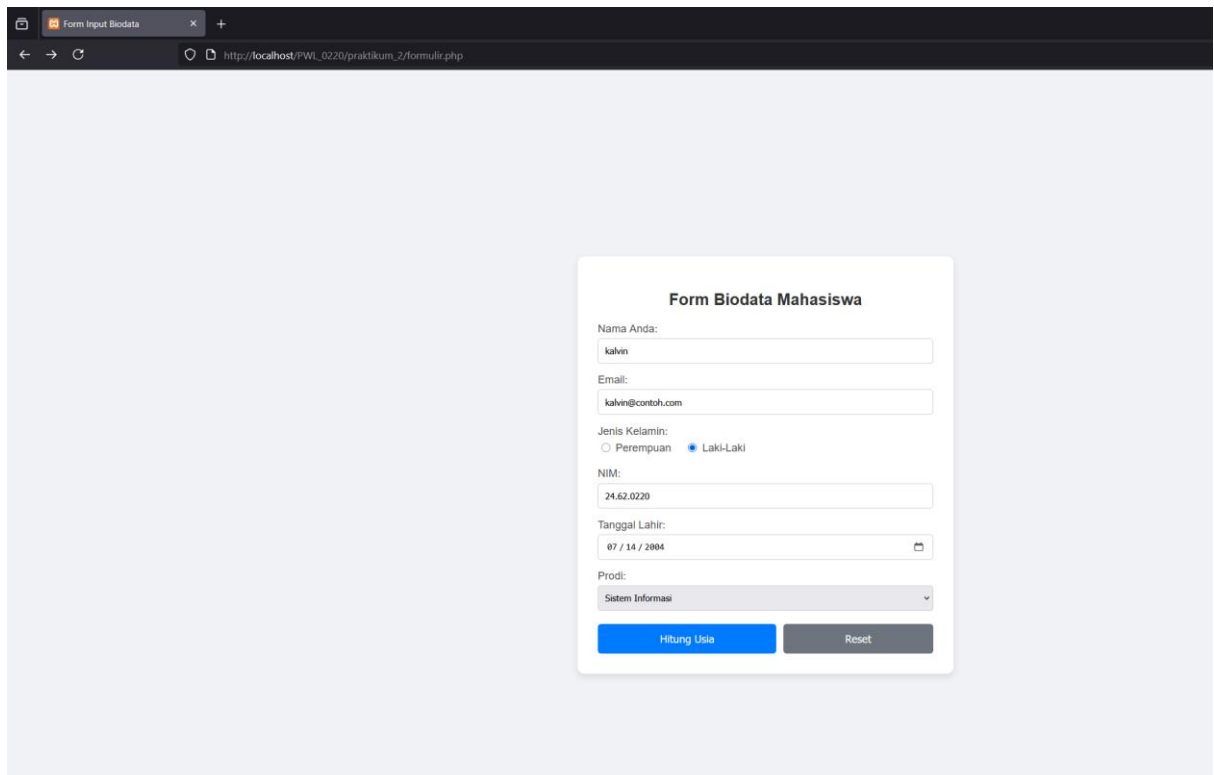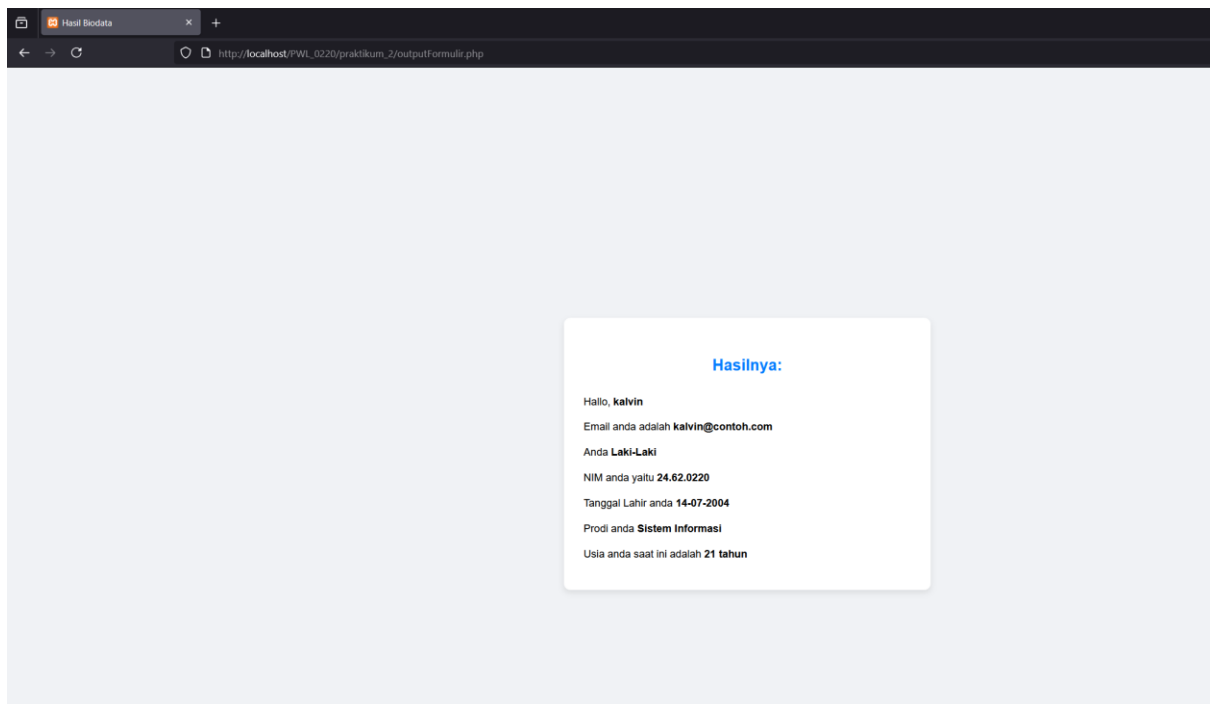
Output:

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 outpuFormulir.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 reffering to year in the date time position. And now $umur is containing the age of the user.

D. Eror /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