# Laporan Tugas Pemrograman Web Lanjut

Dosen Pengampu : **AJIB SUSANTO, M.Kom**

Tanggal Pertemuan : 26 Februari 2025

Nama :        Ferdian Nur Fariza

NIM :         A11.2023.15074

Kelas :       A11.4409

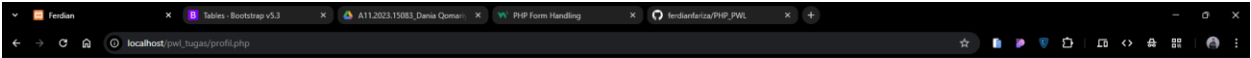Mata Kuliah :   Pemrograman Web Lanjut

Topik :

## Tugas PHP 1

Tabel Deskripsi :

| Pertemuan | Isi Laporan |
|:---------:|-------------|
| 1 | Dokumentasi hasil |
| | Source Code |

# Dokumentasi Hasil

Profil    Nilai    Konversi Bilangan    Konversi Suhu

## Konversi Suhu

Pilih satuan dan masukan nilai:

| Celcius | Fahrenheit | Kelvin | Reamur | Nilai | 69 | Konversikan |

## Hasil Konversi

| Celcius | Fahrenheit | Kelvin | Reamur |
| --- | --- | --- | --- |
| 69 °C | 156 °F | 342 °K | 55 °R |

## profil.php

```php
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta charset="UTF-8" />
    <title>Ferdian</title>
    <link rel="stylesheet" href="style.css" />
    <link
        href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
        rel="stylesheet"
        integrity="sha384-
QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
        crossorigin="anonymous" />
    <style>
        @media (min-width: 1024px) {
            html {
                padding: 100px;
            }
        }
        @media (max-width: 1023px) {
            html {
                padding: 50px;
            }
        }
    </style>
</head>

<body class="bg-light">
    <script
        src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-
YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
        crossorigin="anonymous">
    </script>
    <div class="card">
        <div class="card-header">
            <ul class="nav nav-tabs card-header-tabs">
                <li class="nav-item">
                    <a class="nav-link active" aria-current="true"
href="profil.php">Profil</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="nilai.php">Nilai</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="bilangan.php">Konversi Bilangan</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="suhu.php">Konversi Suhu</a>
                </li>
            </ul>
```

```
        </div>
        <div class="card-body">

            <h5 class="card-title mb-3">Profil Mahasiswa</h5>
            <?php
            $nim = "A11.2023.15074";
            $nama = "Ferdian Nur Fariza";
            $alamat = "Jalan Nongkosawit Raya";
            $email = "ferdianfariza@gmail.com";
            $telepon = "085899877866";

            echo "<p><strong>Nama   </strong> : $nama <br></p>";
            echo "<p><strong>NIM    </strong> : $nim <br></p>";
            echo "<p><strong>Alamat </strong> : $alamat <br></p>";
            echo "<p><strong>Email  </strong> : $email <br></p>";
            echo "<p><strong>Telepon</strong> : $telepon <br></p>";
            ?>
        </div>
    </div>
</body>
</html>
```

## nilai.php

```
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <meta charset="UTF-8" />
  <title>Ferdian</title>
  <link rel="stylesheet" href="style.css" />
  <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
    crossorigin="anonymous" />
  <style>
    @media (min-width: 1024px) {
      html {
        padding: 100px;
      }
    }
    @media (max-width: 1023px) {
      html {
        padding: 50px;
      }
    }
  </style>
</head>
<body class="bg-light">
  <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
    crossorigin="anonymous">
  </script>
  <div class="card">
    <div class="card-header">
      <ul class="nav nav-tabs card-header-tabs">
        <li class="nav-item">
          <a class="nav-link " href="profil.php">Profil</a>
        </li>
        <li class="nav-item">
          <a class="nav-link active" aria-current="true" href="nilai.php">Nilai</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="bilangan.php">Konversi Bilangan</a>
```

```
        </li>
        <li class="nav-item">
          <a class="nav-link" href="suhu.php">Konversi Suhu</a>
        </li>
      </ul>
    </div>
    <div class="card-body">
      <h5 class="card-title mb-3">Akademik Mahasiswa</h5>
      <?php
      $tugas = "50";
      $uts = "50";
      $uas = "87";
      $bilangan = 1;
      $ntugas = 0.3 * $tugas;
      $nuts = 0.35 * $uts;
      $nuas = 0.35 * $uas;
      $nakhir = ($ntugas + $nuts + $nuas);
      $huruf = "null";
      if ($nakhir >= 85) {
        $huruf = "A";
      } elseif ($nakhir >= 68.5) {
        $huruf = "B";
      } elseif ($nakhir >= 58.5) {
        $huruf = "C";
      } elseif ($nakhir >= 40) {
        $huruf = "D";
      } else {
        $huruf = "D";
      }
      echo "<p><strong>Nilai Tugas</strong>    : $tugas <br></p>";
      echo "<p><strong>Nilai UTS  </strong>  : $uts <br></p>";
      echo "<p><strong>Nilai UAS  </strong>  : $uts <br></p>";
      echo "<p><strong>Nilai Akhir</strong>    : $nakhir <br></p>";
      echo "<p><strong>Nilai Huruf</strong> : $huruf <br></p>";
      ?>
    </div>
  </div>
</body>
</html>
```

**bilangan.php**

```html
<!DOCTYPE html>
<html>

<head>
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <meta charset="UTF-8" />
  <title>Ferdian</title>
  <link rel="stylesheet" href="style.css" />
  <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
    crossorigin="anonymous" />
  <style>
    @media (min-width: 1024px) {
      html {
        padding: 100px;
      }
    }

    @media (max-width: 1023px) {
      html {
        padding: 50px;
      }
    }
  </style>
</head>

<body>

  <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
    crossorigin="anonymous">
  </script>
  <div class="card">
    <div class="card-header">
      <ul class="nav nav-tabs card-header-tabs">
        <li class="nav-item">
          <a class="nav-link" href="profil.php">Profil</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="nilai.php">Nilai</a>
        </li>
```

```html
          <li class="nav-item">
            <a class="nav-link active" aria-current="true" href="bilangan.php">Konversi Bilangan</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="suhu.php">Konversi Suhu</a>
          </li>
        </ul>
      </div>
      <div class="card-body">
        <table class="table table-hover">
          <thead>
            <tr>
              <th scope="col">Desimal</th>
              <th scope="col">Biner</th>
              <th scope="col">Oktal</th>
              <th scope="col">Hexa</th>
            </tr>
          </thead>
          <tbody>
            <?php
            for ($i = 0; $i <= 10; $i++) {
              echo "<tr>";
              echo "<td>$i</td>";
              echo "<td>" . decbin($i) . "</td>";
              echo "<td>" . decoct($i) . "</td>";
              echo "<td>" . dechex($i) . "</td>";
              echo "<tr>";
            }
            ?>
          </tbody>
        </table>
        <h5 class="card-title">Konversi Bilangan</h5>
        <p class="card-title">Bilangan Desimal, Biner, Oktal, Hexa</p>
      </div>
    </div>
</body>
</html>
```

## suhu.php

```php
<?php
function konversiSuhu($nilai, $satuan)
{
```

```php
    if (!is_numeric($nilai)) {
        return "Masukkan angka yang valid";
    }

    $nilai = floatval($nilai);
    $hasil = [
        'Celcius' => 0,
        'Fahrenheit' => 0,
        'Kelvin' => 0,
        'Reamur' => 0
    ];

    switch ($satuan) {
        case 'Celcius':
            $hasil['Celcius'] = $nilai;
            $hasil['Fahrenheit'] = ($nilai * 9 / 5) + 32;
            $hasil['Kelvin'] = $nilai + 273;
            $hasil['Reamur'] = $nilai * 4 / 5;
            break;
        case 'Fahrenheit':
            $hasil['Celcius'] = ($nilai - 32) * 5 / 9;
            $hasil['Fahrenheit'] = $nilai;
            $hasil['Kelvin'] = ($nilai - 32) * 5 / 9 + 273;
            $hasil['Reamur'] = ($nilai - 32) * 4 / 9;
            break;
        case 'Kelvin':
            $hasil['Celcius'] = $nilai - 273;
            $hasil['Fahrenheit'] = ($nilai - 273) * 9 / 5 + 32;
            $hasil['Kelvin'] = $nilai;
            $hasil['Reamur'] = ($nilai - 273) * 4 / 5;
            break;
        case 'Reamur':
            $hasil['Celcius'] = $nilai * 5 / 4;
            $hasil['Fahrenheit'] = ($nilai * 9 / 4) + 32;
            $hasil['Kelvin'] = ($nilai * 5 / 4) + 273;
            $hasil['Reamur'] = $nilai;
            break;
    }
    return $hasil;
}

$nilai = $_POST['nilai'] ?? '';
$satuan = $_POST['satuan'] ?? '';
$hasilKonversi = null;
```

```php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $hasilKonversi = konversiSuhu($nilai, $satuan);
}
?>
```

```html
<!DOCTYPE html>
<html>

<head>
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <meta charset="UTF-8" />
  <title>Ferdian</title>
  <link rel="stylesheet" href="style.css" />
  <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH"
    crossorigin="anonymous" />
  <style>
    @media (min-width: 1024px) {
      html {
        padding: 100px;
      }
    }

    @media (max-width: 1023px) {
      html {
        padding: 50px;
      }
    }
  </style>
</head>
<body>
  <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz"
    crossorigin="anonymous">
  </script>
  <div class="card">
    <div class="card-header">
      <ul class="nav nav-tabs card-header-tabs">
        <li class="nav-item">
          <a class="nav-link" href="profil.php">Profil</a>
        </li>
```

```html
      <li class="nav-item">
        <a class="nav-link" href="nilai.php">Nilai</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="bilangan.php">Konversi Bilangan</a>
      </li>
      <li class="nav-item">
        <a class="nav-link active" aria-current="true" href="suhu.php">Konversi Suhu</a>
      </li>
    </ul>
  </div>
  <div class="card-body">
    <h5 class="card-title mb-3">Konversi Suhu</h5>
    <p>Pilih satuan dan masukan nilai:</p>
    <form method="POST">
      <div class="d-flex align-items-center gap-2 mb-3">
        <div class="btn-group" role="group">
          <?php
          $satuanList = ['Celcius', 'Fahrenheit', 'Kelvin', 'Reamur'];
          foreach ($satuanList as $index => $unit) {
            $checked = ($unit == $satuan) ? 'checked' : '';
            echo "<input type='radio' class='btn-check' name='satuan' id='btnradio$index' value='$unit' $checked required>";
            echo "<label class='btn btn-outline-primary' for='btnradio$index'>$unit</label>";
          }
          ?>
        </div>
        <div class="input-group">
          <div class="input-group-text">Nilai</div>
          <input type="text" class="form-control" name="nilai" placeholder="Masukkan Nilai" value="<?= htmlspecialchars($nilai) ?>" required>
        </div>
        <button type="submit" class="btn btn-primary">Konversikan</button>
      </div>
    </form>
    <?php if ($hasilKonversi) : ?>
      <h5 class="card-title mt-4">Hasil Konversi</h5>
      <table class="table">
        <thead>
          <tr>
            <th>Celcius</th>
            <th>Fahrenheit</th>
            <th>Kelvin</th>
            <th>Reamur</th>
```

```html
        </tr>
      </thead>
      <tbody>
        <tr>
          <td><?= number_format($hasilKonversi['Celcius']) ?> °C</td>
          <td><?= number_format($hasilKonversi['Fahrenheit']) ?> °F</td>
          <td><?= number_format($hasilKonversi['Kelvin']) ?> °K</td>
          <td><?= number_format($hasilKonversi['Reamur']) ?> °R</td>
        </tr>
      </tbody>
    </table>
    <?php endif; ?>
  </div>
 </div>
 </div>
</body>
</html>
```