

Nama : Elang Erlangga Purwanto  
NIM : L200190234  
Kelas : F

## Praktikum Alogaritma dan Pemrograman Modul 12

### Kegiatan 1. Membuat server web dengan SimpleHTTPRequestHandler



## Kegiatan 2. Membuat halaman web dengan CGIHTTPRequestHandler

- Source code program

```
index.py - D:\200190234\cgi-bin\index.py (3.7.4)
File Edit Format Run Options Window Help
print("""<!DOCTYPE html>

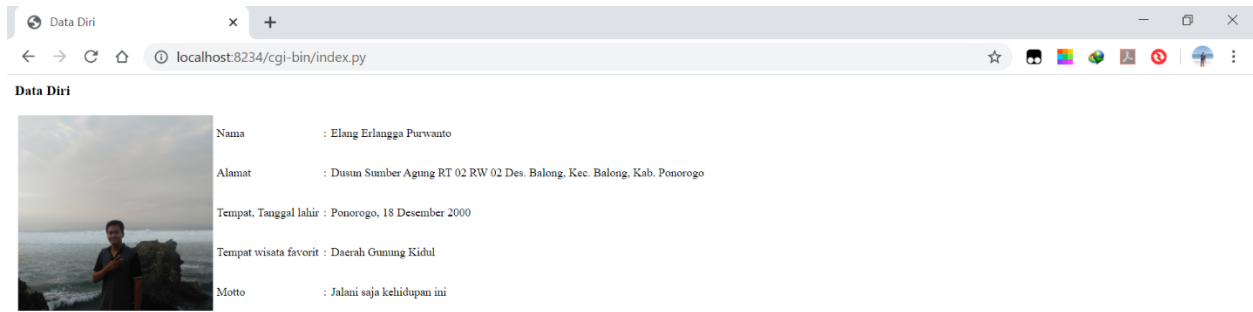
<html>
  <head>
    <title>Data Diri</title>
  </head>
  <body>
    <h3>Data Diri</h3>
    <table>
      <tr>
        <td rowspan="5"></td>
        <td>Nama</td>
      </tr>
      <tr>
        <td>Elang Erlangga Purwanto</td>
      </tr>
      <tr>
        <td>Alamat</td>
      </tr>
      <tr>
        <td>Dusun Sumber Agung RT 02 RW 02 Des. Balong, Kec. Balong, Kab. Ponorogo</td>
      </tr>
      <tr>
        <td>Tempat, Tanggal lahir</td>
      </tr>
      <tr>
        <td>Ponorogo, 18 Desember 2000</td>
      </tr>
      <tr>
        <td>Tempat wisata favorit</td>
      </tr>
      <tr>
        <td>Daerah Gunung Kidul</td>
      </tr>
      <tr>
        <td>Motto</td>
      </tr>
      <tr>
        <td>Jalani saja kehidupan ini</td>
      </tr>
    </table>
  </body>
</html>""")
|
```

- Source code terminal

```
Command Prompt - python -m http.server --cgi 8234
Microsoft Windows [Version 10.0.18362.535]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ASUS>D:
D:\>cd L200190234
D:\L200190234>python -m http.server --cgi 8234
Serving HTTP on 0.0.0.0 port 8234 (http://0.0.0.0:8234/) ...
127.0.0.1 - - [29/Dec/2019 14:01:20] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:01:20] "GET /image.jpg HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:01:58] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:01:58] command: C:\Users\ASUS\AppData\Local\Programs\Python\Python37-32\python.exe -u D:\L200190234\cgi-bin\index.py ""
127.0.0.1 - - [29/Dec/2019 14:01:58] CGI script exited OK
127.0.0.1 - - [29/Dec/2019 14:10:32] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:10:32] command: C:\Users\ASUS\AppData\Local\Programs\Python\Python37-32\python.exe -u D:\L200190234\cgi-bin\index.py ""
127.0.0.1 - - [29/Dec/2019 14:10:32] CGI script exited OK
127.0.0.1 - - [29/Dec/2019 14:10:42] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:10:42] command: C:\Users\ASUS\AppData\Local\Programs\Python\Python37-32\python.exe -u D:\L200190234\cgi-bin\index.py ""
127.0.0.1 - - [29/Dec/2019 14:10:42] CGI script exited OK
```

- Screenshot Halaman web



## Kegiatan 3. Aplikasi web dengan CGI

- Source code program

```
persegi.py - D:\L200190234\cgi-bin\persegi.py (3.7.4)
File Edit Format Run Options Window Help
def hitung_luas(sisi):
    "Fungsi menghitung luas dari persegi"
    sisi = 6
    sisi = 6
    hasil = sisi ** 2
    return hasil

print("""<!DOCTYPE html>

<html>
<head>
<title>Menghitung Luas</title>
</head>
<body>
<h3>Bangun Geometri</h3>
<table>
    <tr>
        <td rowspan="6"></td>
        <td>Nama Bangun</td>
        <td></td>
        <td>Persegi</td>
    </tr>
    <tr>
        <td>Dimensi (2D/3D)</td>
        <td></td>
        <td>2 Dimensi</td>
    </tr>
    <tr>
        <td>Rumus Luas</td>
        <td></td>
        <td>Sisi x Sisi</td>
    </tr>
    <tr>
        <td>Sisi</td>
        <td></td>
        <td>6</td>
    </tr>
    <tr>
        <td>Sisi</td>
        <td></td>
        <td>6</td>
    </tr>
    <tr>
        <td>Luas</td>
        <td></td>
        <td></td>
    </tr>
</table>
</body>
</html>
""")
```

Ln: 1 Col: 0

```
persegi.py - D:\L200190234\cgi-bin\persegi.py (3.7.4)
File Edit Format Run Options Window Help

<html>
<head>
  <title>Menghitung Luas</title>
</head>
<body>
  <h3>Bangun Geometri</h3>
  <table>
    <tr>
      <td rowspan="6"></td>
      <td>Nama Bangun</td>
    </tr>
    <tr>
      <td>Persegi</td>
    </tr>
    <tr>
      <td>Dimensi (2D/3D)</td>
    </tr>
    <tr>
      <td>2 Dimensi</td>
    </tr>
    <tr>
      <td>Rumus Luas</td>
    </tr>
    <tr>
      <td>Sisi x Sisi</td>
    </tr>
    <tr>
      <td>Sisi</td>
    </tr>
    <tr>
      <td>6</td>
    </tr>
    <tr>
      <td>Sisi</td>
    </tr>
    <tr>
      <td>6</td>
    </tr>
    <tr>
      <td>Luas</td>
    </tr>
    <tr>
      <td></td>
    </tr>
  </table>
</body>
</html>"""

print(hitung_luas(6))
print("""</td>

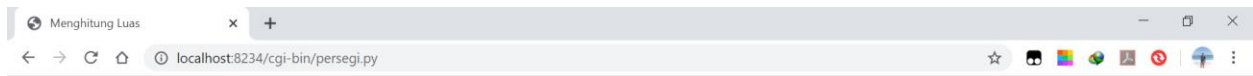
Ln: 1 Col: 0
```

- Source code terminal

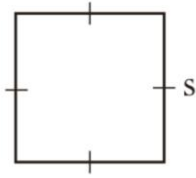
```
Command Prompt - python -m http.server --cgi 8234
Microsoft Windows [Version 10.0.18362.535]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ASUS>D:
D:\>cd L200190234
D:\L200190234>python -m http.server --cgi 8234
Serving HTTP on 0.0.0.0 port 8234 (http://0.0.0.0:8234/) ...
127.0.0.1 - - [29/Dec/2019 14:01:20] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:01:20] "GET /image.jpg HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:01:58] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:01:58] command: C:\Users\ASUS\AppData\Local\Programs\Python\Python37-32\python.exe -u D:\L200190234\cgi-bin\index.py ""
127.0.0.1 - - [29/Dec/2019 14:01:58] CGI script exited OK
127.0.0.1 - - [29/Dec/2019 14:10:32] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:10:32] command: C:\Users\ASUS\AppData\Local\Programs\Python\Python37-32\python.exe -u D:\L200190234\cgi-bin\index.py ""
127.0.0.1 - - [29/Dec/2019 14:10:32] CGI script exited OK
127.0.0.1 - - [29/Dec/2019 14:10:42] "GET /cgi-bin/index.py HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:10:42] command: C:\Users\ASUS\AppData\Local\Programs\Python\Python37-32\python.exe -u D:\L200190234\cgi-bin\index.py ""
127.0.0.1 - - [29/Dec/2019 14:10:42] CGI script exited OK
127.0.0.1 - - [29/Dec/2019 14:14:28] "GET /cgi-bin/persegi.py HTTP/1.1" 200 -
127.0.0.1 - - [29/Dec/2019 14:14:28] command: C:\Users\ASUS\AppData\Local\Programs\Python\Python37-32\python.exe -u D:\L200190234\cgi-bin\persegi.py ""
127.0.0.1 - - [29/Dec/2019 14:14:28] CGI script exited OK
127.0.0.1 - - [29/Dec/2019 14:14:28] "GET /persegi.png HTTP/1.1" 200 -
```

- Screenshot Halaman web



#### Bangun Geometri



Nama Bangun : Persegi  
Dimensi(2D/3D) : 2 Dimensi  
Rumus Luas : Sisi x Sisi  
Sisi : 6  
Sisi : 6  
Luas : 36