

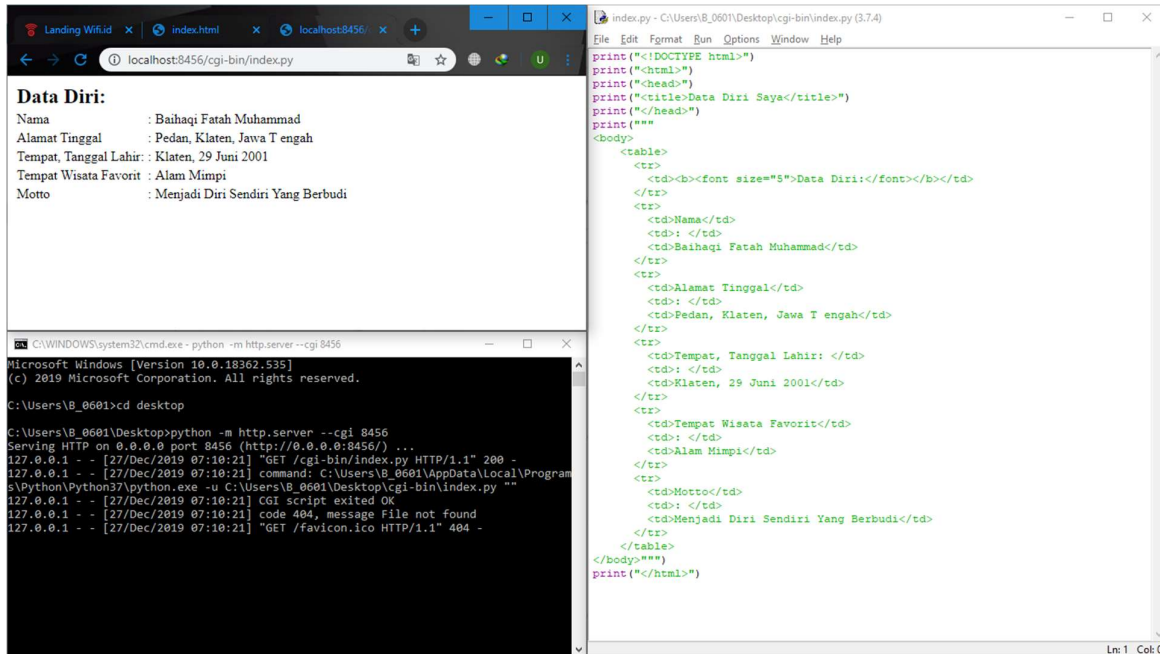
**ALGORITMA DAN PEMROGRAMAN**  
**TOPIK LANJUT**  
**(LAYANAN WEB)**



**DI SUSUN OLEH :**  
**BAIHAQI FATAH M**  
**L200190169**

**INFORMATIKA**  
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**  
**UNIVERSITAS MUHAMMADIYAH SURAKARTA**  
**2019**

## KEGIATAN 2



The screenshot displays a web browser window on the left and a code editor on the right. The browser shows a page titled "Data Diri:" with the following information:

Nama : Baihaqi Fatah Muhammad  
Alamat Tinggal : Pedan, Klaten, Jawa Tengah  
Tempat, Tanggal Lahir: : Klaten, 29 Juni 2001  
Tempat Wisata Favorit : Alam Mimpi  
Motto : Menjadi Diri Sendiri Yang Berbudi

The code editor shows the Python script that generates this page. It uses the `print()` function to output HTML code directly to the browser. The HTML includes a title, a table for the personal data, and a motto.

```
index.py - C:\Users\B_0601\Desktop\cgi-bin\index.py (3.7.4)
File Edit Format Run Options Window Help
print("<!DOCTYPE html>")
print("<html>")
print("<head>")
print("<title>Data Diri Saya</title>")
print("</head>")
print("<body>")
    <table>
    <tr>
        <td><b><font size="5">Data Diri:</font></b></td>
    </tr>
    <tr>
        <td>Nama</td>
        <td>: Baihaqi Fatah Muhammad</td>
    </tr>
    <tr>
        <td>Alamat Tinggal</td>
        <td>: Pedan, Klaten, Jawa Tengah</td>
    </tr>
    <tr>
        <td>Tempat, Tanggal Lahir: </td>
        <td>: Klaten, 29 Juni 2001</td>
    </tr>
    <tr>
        <td>Tempat Wisata Favorit</td>
        <td>: Alam Mimpi</td>
    </tr>
    <tr>
        <td>Motto</td>
        <td>: Menjadi Diri Sendiri Yang Berbudi</td>
    </tr>
    </table>
</body>
print("</html>")
```

The command prompt window below the browser shows the execution of the Python script using the `http.server` module on port 8456. It displays the HTTP requests and responses, including a 200 status code for the main page and a 404 status code for a missing favicon.

## KEGIATAN 3

The screenshot displays a web browser window, a code editor, and a terminal window, illustrating a CGI script for calculating the area of a triangular prism.

**Web Browser (Mengahitung Luas):**

URL: localhost:8456/cgi-bin/Prisma.py

**Bangun Geometri**

Nama Bangun : Prisma Segi 3 Sama sisi  
Dimensi (2D/3D) : 3  
Rumus Luas : (alas segitiga x tinggi segitiga) + (3 x tinggi prisma x sisi segitiga)  
Alas Segitiga : 4  
Tinggi Segitiga : 5  
Tinggi Prisma : 10  
Sisi Segitiga : 3  
Luas : 110

**Code Editor (Prisma.py):**

```
def hitung_luas(alas, tinggi, tinggip, sisisegitiga):  
    "Fungsi Menghitung Luas Prisma"  
    alas = 4  
    tinggi = 5  
    tinggip = 10  
    sisisegitiga = 3  
    hasil = (alas * tinggi) + (3 * tinggip * sisisegitiga)  
    return hasil  
  
print("""  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Mengahitung Luas</title>  
    </head>  
    <body>  
        <h3>Bangun Geometri</h3>  
        <table>  
            <tr>  
                <td>Nama Bangun</td>  
                <td>: </td>  
                <td>Prisma Segi 3 Sama sisi</td>  
            </tr>  
            <tr>  
                <td>Dimensi (2D/3D)</td>  
                <td>: </td>  
                <td>3</td>  
            </tr>  
            <tr>  
                <td>Rumus Luas</td>  
                <td>: </td>  
                <td>(alas segitiga x tinggi segitiga) + (3 x tinggi prisma x sisi segitiga)</td>  
            </tr>  
            <tr>  
                <td>Alas Segitiga</td>  
                <td>: </td>  
                <td>4</td>  
            </tr>  
            <tr>  
                <td>Tinggi Segitiga</td>  
                <td>: </td>  
                <td>5</td>  
            </tr>  
            <tr>  
                <td>Tinggi Prisma</td>  
                <td>: </td>  
                <td>10</td>  
            </tr>  
            <tr>  
                <td>Sisi Segitiga</td>  
                <td>: </td>  
                <td>3</td>  
            </tr>  
            <tr>  
                <td>Luas</td>  
                <td>: </td>  
                <td>110</td>  
            </tr>  
        </table>  
    </body>  
</html>  
""")
```

**Terminal Window:**

```
C:\WINDOWS\system32\cmd.exe - python -m http.server --cgi 8456  
Microsoft Windows [Version 10.0.18362.535]  
(c) 2019 Microsoft Corporation. All rights reserved.  
  
C:\Users\B_0601>cd desktop  
  
C:\Users\B_0601\Desktop>python -m http.server --cgi 8456  
Serving HTTP on 0.0.0.0 port 8456 (http://0.0.0.0:8456/) ...  
127.0.0.1 - - [29/Dec/2019 05:46:36] "GET /cgi-bin/Prisma.py HTTP/1.1" 200 -  
127.0.0.1 - - [29/Dec/2019 05:46:36] command: C:\Users\B_0601\AppData\Local\Programs\Python\Python37\python.exe -u C:\Users\B_0601\Desktop\cgi-bin\Prisma.py ""  
127.0.0.1 - - [29/Dec/2019 05:46:36] CGI script exited OK  
127.0.0.1 - - [29/Dec/2019 05:46:36] code 404, message File not found  
127.0.0.1 - - [29/Dec/2019 05:46:36] "GET /favicon.ico HTTP/1.1" 404 -
```

