

LAPORAN TUGAS PRAKTIKUM
DASAR PEMROGRAMAN WEB
TP MODUL 2



Disusun Oleh:

Nama: Muhammad Fajar Nugroho

NIM: 240411100103

Kelas: IF 2D

Dosen Pengampu:

Nama: KURNIAWAN EKA PERMANA S.Kom.,
M.Sc

NIP: 197902172003121002

Asisten Praktikum:

Nama: Imam Syafii

NIM: 230411100198

PRODI TEKNIK INFORMATIKA
JURUSAN TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS TRUNOJOYO MADURA
2025

1. Code Program

```
<table border="1" cellpadding="3" cellspacing="3" height="100%"
width="100%">
  <caption>
    <b><font face="Arial" size="5">COMPARISON OF SIX CLOUD-
    BASED SERVICES FOR RUNNING JUPYTER NOTEBOOK</font></b>
  </caption>
```

Penjelasan Code Program:

Tag dan Atribut yang Digunakan:

1. `<table>`: Tag utama dengan atribut:
 - `border="1"`: Ketebalan garis tepi
 - `cellpadding="3"`: Jarak dalam sel
 - `cellspacing="3"`: Jarak antar sel
 - `height="100%"`: Tinggi tabel
 - `width="100%"`: Lebar tabel
2. `<caption>`: Tag judul tabel, berisi:
 - ``: Tag untuk teks tebal
 - ``: Pengaturan font dengan atribut:
 - `face="Arial"`: Jenis font Arial
 - `size="5"`: Ukuran font 5

Isi:

- Caption: Judul "COMPARISON OF SIX CLOUD-BASED SERVICES FOR RUNNING JUPYTER NOTEBOOK"
- Header: 3 baris berisi:
 - (I) Judul kategori "COMPARISON" dan "CLOUD-BASED SERVICE"
 - (II) Nama-nama layanan cloud
 - (III) Logo-logo layanan dengan link

2. Code Program

```
<thead>
  <tr bgcolor="green">
    <th rowspan="3" colspan="2"><font color="white"
face="serif">COMPARISON</font></th>
    <th colspan="6"><font color="white" face="serif">CLOUD-
BASED SERVICE</font></th>
  </tr>
  <tr bgcolor="green">
    <th><font color="white"
face="calibri">BINDER</font></th>
    <th><font color="white" face="calibri">KAGGLE
KERNELS</font></th>
```

```

        <th><font color="white" face="calibri">GOOGLE
COLABORATORY</font></th>
        <th><font color="white" face="calibri">MICROSOFT AZURE
NOTEBOOKS</font></th>
        <th><font color="white"
face="calibri">COCALC</font></th>
        <th><font color="white"
face="calibri">DATALORE</font></th>
    </tr>
    <tr bgcolor="green">
        <td align="center"><a href="https://mybinder.org/"></a></td>
        <td align="center"><a
href="https://www.kaggle.com/kernels"></a></td>
        <td align="center"><a
href="https://colab.research.google.com/notebooks/intro.ipynb"></a></td>
        <td align="center"><a
href="https://notebooks.azure.com"></a></td>
        <td align="center"><a href="https://cocalc.com/"></a></td>
        <td align="center"><a href="https://datalore.io"></a></td>
    </tr>
</thead>
<tbody>
    <tr>
        <td bgcolor="green" colspan="2"><font color="white"
face="serif">Supported Languages</font></td>
        <td align="center" valign="top"><font
face="serif">Python 2 & 3, Julia, R, and others</font></td>
        <td align="center" valign="top"><font
face="serif">Python 3 and R</font></td>
        <td align="center" valign="top"><font
face="serif">Python 2 & 3, and swift</font></td>
        <td align="center" valign="top"><font
face="serif">Python 2 & 3, R, and F#</font></td>
        <td align="center" valign="top"><font
face="serif">Python 2 & 3, Julia, R, and others</font></td>
        <td align="center" valign="top"><font face="serif"
align="center" valign="top">Python 3</font></td>
    </tr>
    <tr>
        <td bgcolor="green" rowspan="2"><font color="white"
face="serif">Similarity with Jupyter Notebook</font></td>
        <td bgcolor="green"><font color="white"
face="serif">Interface</font></td>
        <td align="center"></td>
        <td></td>
        <td></td>
        <td align="center"></td>
        <td align="center"></td>
        <td></td>
    </tr>
    <tr>
        <td bgcolor="green"><font color="white"
face="serif">Keyboard Shortcuts</font></td>
        <td align="center"></td>
        <td align="center"></td>
        <td></td>
        <td align="center"></td>
        <td align="center"></td>
        <td></td>
    </tr>

```

```

        </tr>
        <tr>
            <td bgcolor="green" colspan="2"><font color="white"
face="serif">Ease of Working with Datasets</font></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
        </tr>
        <tr>
            <td bgcolor="green" colspan="2"><font color="white"
face="serif">Internet Access</font></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td></td>
            <td align="center"></td>
        </tr>
        <tr>
            <td rowspan="5" bgcolor="green"><font color="white"
face="serif">Ability to</font></td>
            <td bgcolor="green"><font color="white"
face="serif">Install Packages</font></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
        </tr>
        <tr>
            <td bgcolor="green"><font color="white"
face="serif">Work Privately</font></td>
            <td></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
        </tr>
        <tr>
            <td bgcolor="green"><font color="white"
face="serif">Share Publicly</font></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td align="center"></td>
            <td></td>
        </tr>
        <tr>
            <td bgcolor="green"><font color="white"
face="serif">Collaborate</font></td>
            <td></td>
            <td align="center"></td>
            <td align="center"></td>
            <td></td>
            <td align="center"></td>
            <td align="center"></td>
        </tr>
        <tr>
            <td></td>
            <td align="center"></td>
            <td align="center"></td>
            <td></td>
            <td align="center"></td>
            <td align="center"></td>
            <td></td>
    
```

```

        <td bgcolor="green"><font color="white"
face="serif">Upgrade for Better Perfomance</font></td>
        <td></td>
        <td></td>
        <td></td>
        <td align="center"></td>
        <td align="center"></td>
        <td></td>
    </tr>
</tbody>

```

Penjelasan Code Program:

Tag dan Atribut yang Digunakan:

1. <thead>: Bagian header tabel, berisi:
 - <tr>: Baris dengan atribut bgcolor="green"
 - <th>: Sel header dengan atribut:
 - rowspan="3": Gabungan 3 baris
 - colspan="2"/"6": Gabungan 2/6 kolom
 - : Pengaturan teks dengan atribut:
 - color="white": Warna teks putih
 - face="serif"/"calibri": Jenis font
2. <tbody>: Bagian isi tabel
3. <td>: Sel data dengan atribut:
 - bgcolor="green": Warna latar hijau
 - align="center": Perataan tengah
 - valign="top": Perataan atas
 - colspan="2": Gabungan 2 kolom
 - rowspan="5": Gabungan 5 baris
4. : Gambar centang dengan atribut:
 - src="./img/Check.jpg": Sumber gambar

Isi: Perbandingan fitur-fitur:

1. Bahasa yang didukung
2. Kemiripan dengan Jupyter Notebook
 - Interface
 - Keyboard Shortcuts
3. Kemudahan penggunaan dataset
4. Akses internet
5. Kemampuan (Ability to):
 - Install Packages
 - Work Privately
 - Share Publicly
 - Collaborate
 - Upgrade Performance

3. Code Program

```
<tfoot>
    <tr>
        <td bgcolor="green" colspan="2"><font color="white"
face="serif">Documentation and Technical Support</font></td>
        <td align="center"></td>
        <td align="center"></td>
        <td align="center"></td>
        <td align="center"></td>
        <td align="center"></td>
    </tr>
</tfoot>
```

Penjelasan Code Program:

Tag dan Atribut yang Digunakan:







1. <tfoot>: Footer tabel
2. <td>: Sel footer dengan atribut:
 - bgcolor="green": Warna latar hijau
 - colspan="2": Gabungan 2 kolom
 - align="center": Perataan tengah
3. <p>: Paragraf
4. : Pengaturan font dengan atribut:
 - size="2": Ukuran font 2
 - face="serif": Jenis font serif
5. <a>: Link dengan atribut:
 - href="...": URL tujuan ke <https://www.dataschool.io/cloud-services-for-jupyter-notebook>

Isi:

1. Footer tabel:
 - Documentation and Technical Support
 - Tanda centang untuk setiap layanan
2. Paragraf
 - Sumber referensi dengan link ke artikel asli

Hasil Running Program:

COMPARISON OF SIX CLOUD-BASED SERVICES FOR RUNNING JUPYTER NOTEBOOK

COMPARISON		CLOUD-BASED SERVICE					
		BINDER	KAGGLE KERNELS	GOOGLE COLABORATORY	MICROSOFT AZURE NOTEBOOKS	COCALC	DATALORE
							
Supported Languages		Python 2 & 3, Julia, R, and others	Python 3 and R	Python 2 & 3, and swift	Python 2 & 3, R, and F#	Python 2 & 3, Julia, R, and others	Python 3
Similarity with Jupyter Notebook	Interface	✓			✓	✓	
	Keyboard Shortcuts	✓	✓		✓	✓	
Ease of Working with Datasets		✓	✓	✓	✓	✓	✓
Internet Access		✓	✓	✓	✓		✓
Ability to	Install Packages	✓	✓	✓	✓	✓	✓
	Work Privately		✓	✓	✓	✓	✓
	Share Publicly	✓	✓	✓	✓	✓	
	Collaborate		✓	✓		✓	✓
	Upgrade for Better Performance				✓	✓	
Documentation and Technical Support		✓	✓	✓	✓	✓	✓

As summarized from: <https://www.dataschool.io/cloud-services-for-jupyter-notebook/>.