

# SEKOLAH MENENGAH KEJURUAN (SMK) "PRESTASI PRIMA"

Bidang Studi Keahlian : Teknologi Informasi dan Komunikasi Program Studi : TEKNIK KOMPUTER DAN INFORMATIKA DAN BROADCASTING Jalan Hankam Raya RT. 007/RW. 04 No. 89, Cilangkap, Cipayung, Jakarta Timur. Telp. 021-84306823, Kode Pos.13870

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## LEMBAR KERJA PESERTA DIDIK PRAKTIK BLOKING TEMA : PENGENALAN PEMROGRAMAN PYTHON HARI - 4

Nama Siswa : SENJA DWI AULIA

Kelas : X PPLG 2

Materi Kegiatan Hari - 4 : PEMROGRAMAN PYTHON

## A. Petunjuk Pengerjaan:

- 1. Perhatikanlah Penjelasan Materi yang diberikan oleh Bapak/Ibu Guru
- 2. Isilah LKPD secara urut berikut sesuai kegiatan pada hari pelajaran
- 3. Kerjakanlah dengan teliti

## KEGIATAN 4 PENGENALAN PEMROGRAMAN PYTHON

Setelah kalian mendengarkan penjelasan oleh Bapak/Ibu Guru tentang kegiatan 1 yaitu sejarah perkembangan komputer. Isilah Soal dibawah ini dengan benar:

Kerjakanlah Latihan Program Python pada Modul (54\_Tkinter\_Pack.py sampai dengan 62\_img\_viewer.py). Dan Sertakanlah source code dan output screenshot pada LKPD 54\_Tkinter\_Pack.py

```
OPEN EDITORS
                       54_Tkinter_Pack.py > ...
SENJA_XPPLG2_PYTHON
                              import tkinter as tk
                              root = tk.Tk()
42_square.pv
                              label = tk.Label(root, text="Label 1")
🕏 43_redCir 🗝
               label.pack()
44_circle.r
               Label 1
45_spirog
              Tombol 1
                              button = tk.Button(root, text="Tombol 1")
54 Tkinte
                              button.pack()
             centang 1
🕏 bintang.py
                              checkbox = tk.Checkbutton(root, text="centang 1")
                              checkbox.pack()
                              root.mainloop()
```

55\_Tkinter\_Grid.py

```
🦆 55_Tkinter_Grid.py > ...
                              import tkinter as tk
                              root = tk.Tk()
                              label1 = tk.Label(root, text = "Label 1")
43_re Lab Label 3 el 2
                              label2 = tk.Label(root, text = "Label 2")
44_circle.py
                             label3 = tk.Label(root, text = "Label 3")
45_spirograph.py
54_Tkinter_Pack.py
                             label1.grid(row = 0, column = 0)
55_Tkinter_Grid.py
                             label2.grid(row = 0, column = 1)
                             label3.grid(row = 0, column = 0, columnspan = 2)
bintang.py
                             root.mainloop()
```

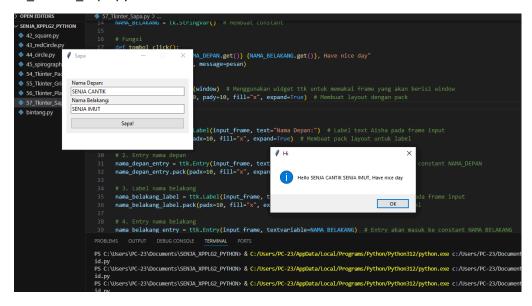
56\_Tkinter\_Place.py

```
EXPLORER
                                           43_redCircle.py
                                                                                       Ø tk
                                                                                                                П
                                                                                                                      \times
> OPEN EDITORS

✓ SENJA_XPPLG2_PYTHON

42_square.py
                               label1 = tk.Label(root, text="Label 1")
43 redCircle.pv
                                                                                                Tombol 1
                               label1.place(x=10, y=10)
44_circle.py
 45_spirograph.py
 54_Tkinter_Pack.py
                           8 root.mainloop()
55 Tkinter Grid.py
 56_Tkinter_Place.py
 bintang.py
```

## 57\_Tkinter\_Sapa.py



## 58\_Tkinter\_Kalkulator.py

```
OPEN EDITORS
                             58_Tkinter_Kalkulator.py > ...
                                                                                                                        Angka 1: 1
SENJA XPPLG2 PYTHON
42 square.pv
                                                                                                                        Angka 2: 2
                                    input_frame = ttk.Frame(window)
input_frame.pack(padx=10, pady=10)
                                                                                                                        Operator:
43_redCircle.py
44_circle.py
                                                                                                                                  Hitung
45_spirograph.py
54_Tkinter_Pack.py
                                    angka1_label = ttk.Label(input_frame, text="Angka 1:")
                                    angka1_label.grid(row=0, column=0, sticky="w")
angka1_entry = ttk.Entry(input_frame)
angka1_entry.grid(row=0, column=1)
55_Tkinter_Grid.py
56_Tkinter_Place.py
57_Tkinter_Sapa.py
bintang.py
                                     angka2_label = ttk.Label(input_frame, text="Angka 2:")
                                    angka2_label.grid(row=1, column=0, sticky="w")
angka2_entry = ttk.Entry(input_frame)
                                     angka2_entry.grid(row=1, column=1)
                                    operator_label.grid(row=2, column=0, sticky="w")
operator_combobox = ttk.Combobox(input_frame, values=["+", "-", "*", "/"])
                                     operator_combobox.grid(row=2, column=1)
                                     # Tombol Hitung
hitung_button = ttk.Button(window, text="Hitung", command-hitung)
                                     hitung_button.pack(pady=10)
```

59\_title\_helloWorld.py

```
> Status Applica Python

42 square.py

43 redicride.py

44 sicride.py

54 Tkinter_Plack.py

55 Tkinter_Plack.py

55 Tkinter_Sapa.py

58 Tkinter_Sapa.py

60 redictions

60 redictions

61 Tkinder_Sapa.py

62 img_viewer.py

62 img_viewer.py

63 img_viewer.py

64 img_viewer.py

65 Tkinter_Sapa.py

83 Tkinter_Sapa.py

84 sg.Window(title="Hello World", layout=[[]], margins=(100, 50)).read()

75 Tkinter_Sapa.py

85 Tkinter_Sapa.py

86 ing_viewer.py

62 img_viewer.py

62 img_viewer.py

87 TRIAL_PERIOD ▼ ends in 31 days. Register now.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

88.1/83.1 k8 517.0 k8/s eta 0:00:00
```

## 60\_pySimpleGUI.py

```
✓ SENJA_XPPLG2_PYTHON

42_square.py
43_redCircle.py
44_circle.py
                               window = sg.Window('Contoh Program PySimpleGUI', layout)
45_spirograph.py
54_Tkinter_Pack.py
                               while True:
    event, values = window.read()
55_Tkinter_Grid.py
                                    if event == sg.WINDOW_CLOSED:
56_Tkinter_Place.py
57_Tkinter_Sapa.py
                                    elif event == 'Klik Saya':
print("Tombol diklik")
58_Tkinter_Kalkulator....
59_title_helloWorld.py
60_pySimpleGUI.py
61_TypeChar.py
62_img_viewer.py
bintang.py
                                                                                 Contoh Program PySimpleGUI
                                                                                                                                ×
                                                                                  Klik Saya
                                                                                  TRIAL PERIOD 

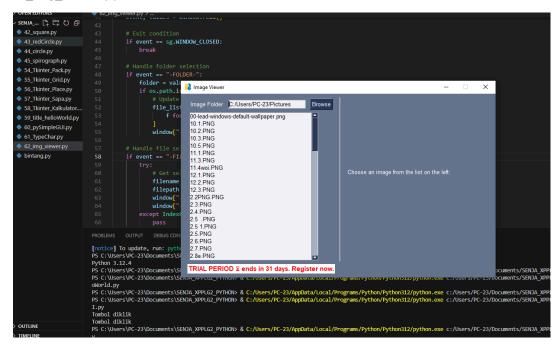
ends in 31 days. Register now.
```

61\_TypeChar.py

```
SENJA_... [] EZ O
                                                                                                                                                                sg.theme('BluePurple')
 42_square.py
43_redCircle.py
                                                                                                                                                                                    [sg.Text('Your typed chars appear here:'), sg.Text(size=(15, 1), key='-OUTPUT-')],
[sg.Input(key='-IN-')],
[sg.Button('Show'), sg.Button('Exit')]
44_circle.py
45_spirograph.py
54_Tkinter_Pack.py
55_Tkinter_Grid.py
56_Tkinter_Place.py
57_Tkinter_Sapa.py
58_Tkinter_Kalkulator....
                                                                                                                                                                                  event, values = window.read()
59_title_helloWorld.py
                                                                                                                                                                                     print(event, values)
60_pySimpleGUI.py
                                                                                                                                                                                      if event == sg.WIN_CLOSED or event == 'Exit':
 62_img_viewer.py
 bintang.py
                                                                                                                                                                                                # Update the "output" text element
window['-OUTPUT-'].update(values['
                                                                                                                                                                                                                                                                                                                                                                                                                                Your typed chars appear here: TUNTAS
                                                                                                                                                                                                                                                                                                                                                                                                                              TUNTAS
                                                                                                                                                             window.close()
                                                                                                                                                                                                                                                                                                                                                                                                                             Show Exit
                                                                                                                                                                                                                                                                                                                                                                                                                             TRIAL PERIOD 

ends in 31 days. Register now.
                                                                                                                           PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                                                                                                           oWorld.py
PS C:\Users\PC-23\Documents\SENJA_XPPLG2_PYTHON> & C:\Users\PC-23\AppData\Local\Programs\Python\Python312\python.exe c:\Users\PC-23\AppData\Local\Programs\PYthon\Python312\Python\PYthon\PYthon312\Python\PYthon\PYthon\PYthon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon\PYThon
                                                                                                                              Tombol diklik
Tombol diklik
Tombol diklik
                                                                                                                             PS C:\Users\PC-23\Documents\SENJA_XPPLG2_PYTHON> & C:\Users\PC-23\AppData\Local\Programs\Python\Python\312\python.exe c:\Users\PC-23\AppData\Local\Programs\Python\Python\312\python.exe c:\Users\PC-23\AppData\Local\Programs\Python\Python\Python\312\python.exe c:\Users\PC-23\AppData\Local\Programs\Python\Python\Python\$12\python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Python\Py
```

#### 62\_img\_viewer.py



2. Kerjakanlah Latihan Tkinker di Program python pada Modul.

## Program Kasir



## Program Parkir



3. Program Data Siswa



#### PROGRAM KASIR

```
> OPEN EDITORS
                      PROGRAM KASIR > ...

✓ SENJA_XPPLG2_PYTHON

42_square.py
                               event, values = window.read()
 43_redCircle.py
                               if event in (sg.WINDOW_CLOSED, "Keluar"):
 44_circle.py
 45_spirograph.py
 54_Tkinter_Pack.py
 55_Tkinter_Grid.py
                                window.close()
 56_Tkinter_Place.py
                                   window = program_kasir()
 57_Tkinter_Sapa.py
                                      event, values = window.read()
 58_Tkinter_Kalkulator....
                                        if event in (sg.WINDOW_CLOSED, "Kembali"):
 59_title_helloWorld.py
 60_pySimpleGUI.py
                                        if event == "Hitung Total":
 61_TypeChar.py
                                                62_img_viewer.py
                                                                                                      _ _
 bintang.py
                                                kuantitas = int(values[
                                                                         Harga: 3000
                                                total = harga * kuantita
                                                                        Kuantitas: 2
                                               window['-TOTAL-'].update
                                            except ValueError:
                                                                        Hitung Total Kembali
                                               sg.popup("Masukkan angka
                                    window.close()
                                    window = menu_utama()
                                                                        TRIAL PERIOD 

ends in 31 days. Register now.
                                elif event == "Program Parkir":
                                OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

#### PROGRAM PARKIR

```
SENJA_... 🖺 🛱 🖔 🗊
42_square.py
                                    event, values = window.read()
43_redCircle.py
                                    if event in (sg.WINDOW_CLOSED, "Keluar"):
44_circle.py
45_spirograph.py
54_Tkinter_Pack.py
55_Tkinter_Grid.py
56_Tkinter_Place.py
                                        window = program_kasir()
while True:
                          60
57_Tkinter_Sapa.py
58_Tkinter_Kalkulator....
                                             if event in (sg.WINDOW_CLOSED, "Kembali"):
59_title_helloWorld.py
60 pySimpleGUI.py
61_TypeChar.py
                                                                                  Aplikasi Parkir
                                                                                                                      _ _ _
                                                                                                                                  X
62_img_viewer.py
                                                      harga = float(values['
                                                                                   No Plat Polisi: 1 LOVE U 1
bintang.py
                                                      kuantitas = int(values[
                                                                                                                      Cari
                                                                                   Waktu Masuk (HH:MM): 22:00
Waktu Keluar (HH:MM): 22:30
                                                      total = harga * kuantita
                                                 window['-TOTAL-'].update
except ValueError:
                                                      sg.popup("Masukkan angka
                                                                                   Hitung Kembali Rp.0
                                        window = menu_utama()
                                                                                   TRIAL PERIOD 

ends in 31 days. Register now.
                                    elif event == "Program Parkir":
                         PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
                        None {'-IN-': None} PS C:\Users\PC-23\Documents\SENJA_XPPLG2_PYTHON> & C:\Users\PC-23/AppData/Local/Programs/Python/Python312/python.exe
```

#### PROGRAM DATA SISWA

```
✓ SENJA XPPLG2 PYTHON

                                   while True:
42_square.py
                                        event, values = window.read()
43_redCircle.py
                                        if event in (sg.WINDOW_CLOSED, "Keluar"):
44_circle.py
                                            break
45_spirograph.py
54_Tkinter_Pack.py
                                        if event == "Program Kasir":
    window.close()
55_Tkinter_Grid.py
56 Tkinter Place.py
                                             window = program_kasir()
57_Tkinter_Sapa.py
                                                                                         😢 Data Siswa Baru
                                                 event, values = window.read()
58_Tkinter_Kalkulator....
                                                  if event in (sg.WINDOW_CLOSED,
59 title helloWorld.py
                                                                                         Nama Lengkap: SENJA
                                                      break
                                                                                          Data Tersimpan!
60_pySimpleGUI.py
                                                 if event == "Hitung Total":
61_TypeChar.py
62_img_viewer.py
                                                            harga = float(values['
                                                                                           -NAMA: SENJA

-TGL_LAHIR: 28

-SEKOLAH: PRESMA

-NISN: 12345

-AYAH: JAE

-IBU: IU

-IP: 12345678910

-ALAMAT: JAKTIM
bintang.py
                                                           total = harga * kuantit
window['-TOTAL-'].updat
                                                           sg.popup("Masukkan angl
                                             window.close()
                                             window = menu_utama()
                                        elif event == "Program Parkir":
                                                                                           TRIAL PERIOD 

ends in 31 days. Register now.
                            PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                                                                          Simpan Kembali
                           None {'-IN-': None}
PS C:\Users\PC-23\Documents\SENJA_XPPLG2_PYTHON> & C:/
                                                                                         TRIAL PERIOD 

ends in 31 days. Register now.
```