## PRAKTIKUM ALGORITMA DAN PEMROGRAMAN TOPIK LANJUT ( PROGRAM GUI )



### **DISUSUN OLEH:**

NAMA : INDRIARTO DWI NGROHO

NIM : L200190183

# PRODI INFORMATIKA FAKULTAS KOMUNIKASI DAN INFORMATIKA UNIVERSITAS MUHAMADIYAH SURAKARTA 2019/2020

#### Kegiatan 1.

Screenshot dari aplikasi Data Diri adalah sebagai berikut.

```
Kegiatan1.py - G:\New folder\Kegiatan1.py (3.7.4)
File Edit Format Run Options Window Help
from tkinter import Tk, Label, Entry, Button
from tkinter import messagebox
my app = Tk(className = "Data Diri")
L = Label(my_app, text="Data Diri", font = ("Arial",24))
L.grid(row = 0, column = 0, sticky="w")
L1 = Label(my_app, text = "Nama")
L1.grid(row = 1, column = 0, sticky="w")
L2 = Label (my_app, text = "Indriarto Dwi Nugroho")
L2.grid(row = 1, column = 1, sticky="w")
L3 = Label(my_app, text = "NIM")
L3.grid(row = 2, column = 0, sticky="w")
L4 = Label(my app, text = "L200190183")
L4.grid(row = 2, column = 1, sticky="w")
L5 = Label(my_app, text = "Buku favorit")
L5.grid(row = 3, column = 0, sticky="w")
L6 = Label(my_app, text = "Tertralogi Buru : Bumi Manusia, Anak Semua Bangsa, dst")
L6.grid(row = 3, column = 1, sticky="w")
L7 = Label (my_app, text = "Idola")
L7.grid(row = 4, column = 0, sticky="w")
L8 = Label(my_app, text = "Che Guevara")
L8.grid(row = 4, column = 1, sticky="w")
L9 = Label(my_app, text = "Motto")
L9.grid(row = 5, column = 0, sticky="w")
L10 = Label(my_app, text = "Belajar, Berkarya, & Berguna.")
L10.grid(row = 5, column = 1, sticky="w")
def keluar():
    my_app.destroy()
    messagebox.showinfo("Pesan", "Terima kasih.")
def keluar():
```

```
def keluar():
    my_app.destroy()
    messagebox.showinfo("Pesan", "Terima kasih.")

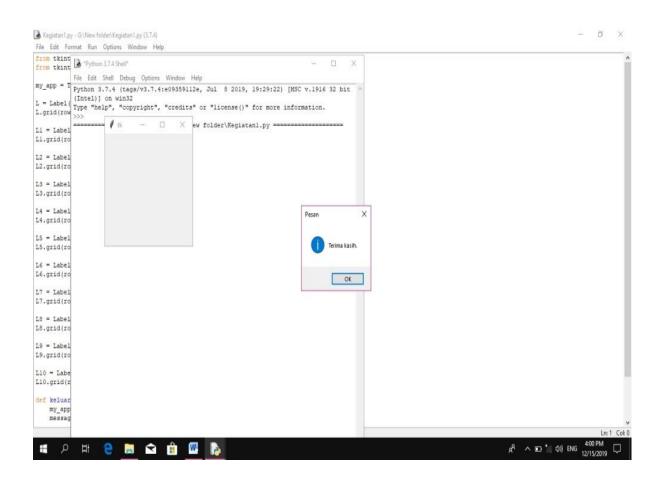
B = Button(my_app, text = "Tutup", command = keluar)
B.grid(row = 6, column = 1)

my_app.mainloop()
```



File Edit Shell Debug Options Window Help

Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>> ----- RESTART: G:\New folder\Kegiatanl.py --------->>> ---- RESTART: G:\New folder\Kegiatanl.py ---data Diri Data Diri Nama Indriarto Dwi Nugroho L200190183 NIM Buku favorit Tertralogi Buru : Burni Manusia, Anak Semua Bangsa, dst Idola Che Guevara Motto Belajar, Berkarya, & Berguna. Tutup



#### Kegiatan 2.

Screenshot dari kalkulator sederhana adalah sebagai berikut

```
Kegiatan2.py - G:\New folder\Kegiatan2.py (3.7.4)
File Edit Format Run Options Window Help
from tkinter import Tk, Label, Entry, Button, IntVar
from tkinter import messagebox
my_app = Tk(className = "Kalkulator Sederhana")
L = Label(my_app, text = "Angka 1")
L.grid(row = 0, column = 0, sticky="w")
angkal = IntVar()
E = Entry(my_app, textvariable = angkal)
E.grid(row = 0, column = 1, columnspan = 3)
L1 = Label(my_app, text = "Angka 2")
L1.grid(row = 1, column = 0, sticky="w")
angka2 = IntVar()
E1 = Entry(my_app, textvariable = angka2)
El.grid(row = 1, column = 1, columnspan = 3)
H = Label(my_app, text = "Hasil")
H.grid(row = 3, column = 0, sticky="w")
H1 = Label(my_app)
Hl.grid(row = 3, column = 2, sticky="w")
def Hitung (op):
    hasil = angkal.get()+angka2.get()
elif op == '-':
    if op == '+':
        hasil = angkal.get()-angka2.get()
    elif op == 'x':
        hasil = angkal.get() *angka2.get()
    elif op == ':':
        hasil = angkal.get()/angka2.get()
    Hl.config(text = hasil)
B1 = Button(my app, text = "+", width="8", command = lambda:Hitung('+'))
Bl.grid(row = 2, column = 0)
B2 = Button(my app, text = "-", width="8", command = lambda:Hitung('-'))
B2.grid(row = 2, column = 1)
B3 = Button(my app, text = "x", width="8", command = lambda:Hitung('x'))
B3.grid(row = 2, column = 2)
B4 = Button(my app, text = ":", width="8", command = lambda:Hitung(':'))
B4.grid(row = 2, column = 3)
my_app.mainloop()
```





x

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Angka 2

Hasil

8

#### Kegiatan 3.

Screenshot dari aplikasi Bangun Geometri adalah sebagai berikut

