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



### **DISUSUN OLEH:**

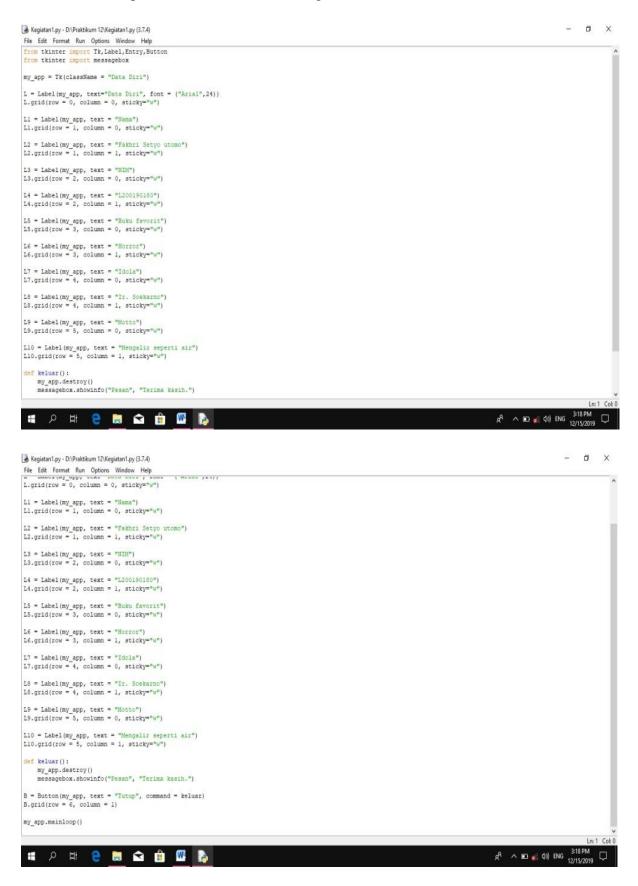
NAMA : FAKHRI SETYO UTOMO

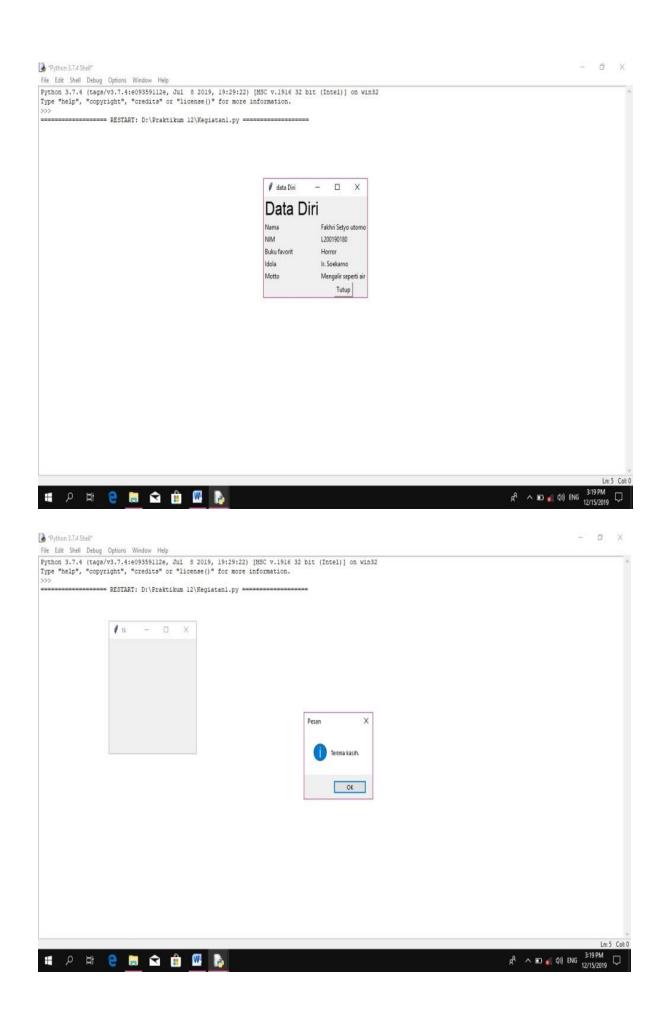
NIM : L200190180

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

#### Kegiatan 1.

Screenshot dari aplikasi Data Diri adalah sebagai berikut.



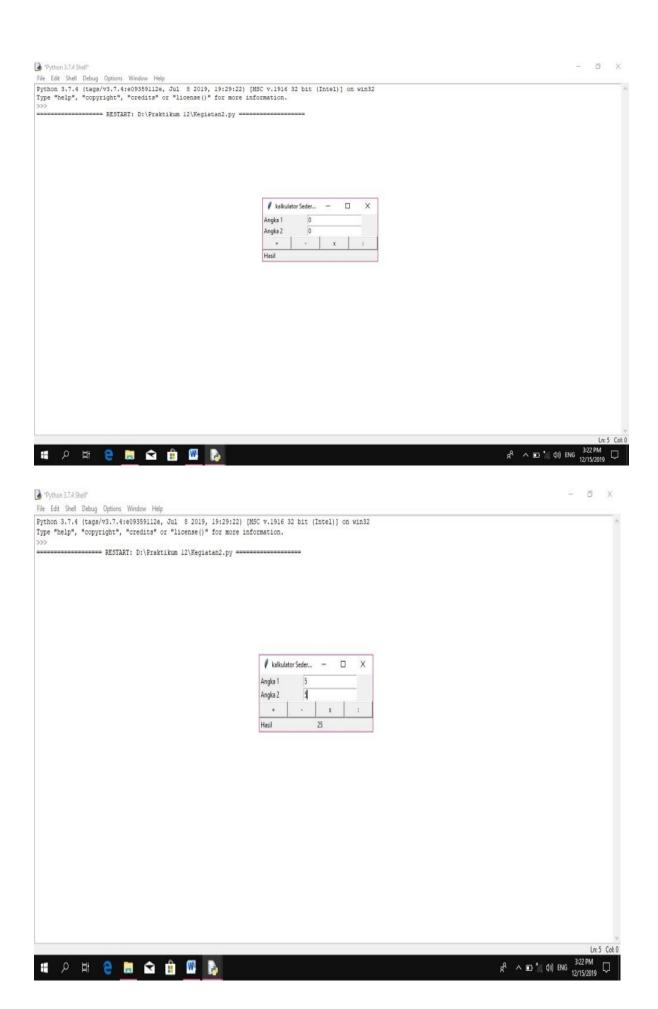


#### Kegiatan 2.

Screenshot dari kalkulator sederhana adalah sebagai berikut

```
🜛 Kegiatan2.py - D:\Praktikum 12\Kegiatan2.py (3.7.4)
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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")
E1 = Entry(my_app, textvariable = angka2)
E1.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)
H1.grid(row = 3, column = 2, sticky="w")
def Hitung(op):
    if op == '+';
        hasil = angkal.get() +angka2.get()
    elif op == '-';
        hasil = angkal.get() -angka2.get()
    elif op == 'k';
        hasil = angkal.get() 'angka2.get()
    elif op == ':';
        hasil = angkal.get()/angka2.get()
B1 = Button(my_app, text = "+", width="8", command = lambda:Hitung('+'))
B1.grid(row = 2, column = 0)
 B2 = Button(my_app, text = "-", width="8", command = lambda:Hitung('-'))
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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)
E1.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)
H1.grid(zow = 3, column = 2, sticky="w")
      if op == '+';
      hasil = angkal.get()+angka2.get()
elif op == '-':
            hasil = angkal.get()-angka2.get()
      elif op == 'x':
      hasil = angkal.get()*angka2.get()
elif op == ':':
           hasil = angkal.get()/angka2.get()
 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 = lambde:Hitung(':'))
B4.grid(row = 2, column = 3)
 my_app.mainloop()
                                                                                                                                                                                                        g<sup>Q</sup> ∧ ■ * (40) ENG 3:21 PM □ 12/15/2019 □
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#### Kegiatan 3.

Screenshot dari aplikasi Bangun Geometri adalah sebagai berikut

