

## **LAPORAN RESMI III SISTEM OPERASI**



**JUDUL : SUDO NANO (DATA MAHASISWA)**

**DISUSUN :**

TANGGAL PRAKTIKUM	: 26 FEBRUARI 2024
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**FAKULTAS ILMU KOMPUTER  
UNIVERSITAS SRIWIJAYA  
PROGRAM STUDI TEKNIK KOMPUTER  
PALEMBANG 2024**


## LAPORAN KERJA III

The screenshot shows a Red Hat Linux desktop. The top panel includes the Red Hat logo, the text "Red Hat", and system icons for network, volume, and battery, along with the date "Feb 27 04:05". The desktop background is dark blue. A terminal window is open, displaying the execution of a script named "Tambahan3.sh". The script creates a file named "data mahasiswa.txt" and lists its contents. The output of the script is as follows:

```
student@workstation:~$ sudo nano
[and] password for student:
student@workstation:~$ cat data mahasiswa.txt
bash: cat: command not found...
Similar command is: 'cat'
student@workstation:~$ cat data mahasiswa.txt
DATA MAHASISWA TAHUN UNIVERSITAS SATWIDJAYA


NO  |  NIM  |  NAMA
1.   |  09030582226034  |  NAMA
2.   |  09030582226020  |  SITIT JULIAHWA
3.   |  09030582226030  |  SYACHITA ANANDA
4.   |  09030582226001  |  AMELIA
student@workstation:~$ vi data mahasiswa.txt
bash: vi: command not found...
student@workstation:~$ cat data mahasiswa.txt
bash: vi: command not found...
Similar command is: 'nv'
student@workstation:~$ vi data mahasiswa.txt
student@workstation:~$ xiv data mahasiswa.txt
student@workstation:~$ nano
student@workstation:~$ cat kalkulator.py
# Program kalkulator sederhana

def Tambah(x, y):
```




The screenshot shows a Red Hat Linux desktop environment. The top panel includes the Red Hat logo, the text "Red Hat", and system status icons (Activities, Terminal, Date: Feb 27 04:05, Network, Sound, Power). The main workspace contains a terminal window titled "student@workstation:~". The terminal displays a Python script for a calculator and its execution output.

```
def tambah(x, y):  
    return x + y  
  
def kurang(x, y):  
    return x - y  
  
def kali(x, y):  
    return x * y  
  
def bagi(x, y):  
    if y == 0:  
        return "Tidak dapat dibagi oleh nol!"  
    else:  
        return x / y  
  
print("Pilih operasi.")  
print("1. Tambah")  
print("4. Bagi")  
  
pilihan = input("Masukan pilihan (1/2/3/4): ")  
  
angka1 = float(input("Masukan angka pertama: "))  
angka2 = float(input("Masukan angka kedua: "))
```




The screenshot shows a Red Hat desktop environment with a terminal window open. The terminal displays the execution of a Python script named `kalculator.py`. The script prompts the user for a choice of operation and two numbers. The user enters '1' for addition, '2' for the first number, and '2' for the second number. The script then prints the result of the addition, which is 4. Below this, a traceback error is shown, indicating a `NameError` because the variable `nama` is not defined. The error message is: `NameError: name 'nama' is not defined`. The terminal prompt is `student@workstation:~`.

```
student@workstation:~  
  
if pilihan == '1':  
    print(angka1, "+", angka2, "=", tambah(angka1, angka2))  
elif pilihan == '2':  
    print(angka1, "-", angka2, "=", kurang(angka1, angka2))  
elif pilihan == '3':  
    print(angka1, "*", angka2, "=", kali(angka1, angka2))  
elif pilihan == '4':  
    print(angka1, "/", angka2, "=", bagi(angka1, angka2))  
else:  
    print("Input salah")  
  
[student@workstation ~]$ python kalculator.py  
Pilih operasi.  
1. Tambah  
2. Kurang  
3. Kali  
4. Bagi  
Masukan pilihan (1/2/3/4): 1  
Masukan angka pertama: 2  
Masukan angka kedua: 2  
Traceback (most recent call last):  
  File ~/namaStudent/kalculator.py, line 28, in <module>  
    print(angka1, "-", angka2, "=", tambah(angka1, angka2))  
NameError: name 'nama' is not defined  
[student@workstation ~]$ nano kalculator.py
```




Activities Terminal Feb 27 04:06

```
student@workstation:~  
[student@workstation ~]$ nano kalkulator.py  
[student@workstation ~]$ cat kalkulator.py  
# Program kalkulator sederhana  
  
def tambah(x, y):  
    return x + y  
  
def kurang(x, y):  
    return x - y  
  
def kali(x, y):  
    return x * y  
  
def bagi(x, y):  
    if y == 0:  
        return "Tidak dapat dibagi oleh nol!"  
    else:  
        return x / y  
  
print("Pilih operasi.")  
print("1. Tambah")  
print("2. Kurang")  
print("3. Kali")  
print("4. Bagi")
```




Activities Terminal Feb 27 04:06

```
student@workstation:~  
  
angka1 = float(input("Masukan angka pertama: "))  
angka2 = float(input("Masukan angka kedua: "))  
  
if pilihan == '1':  
    print(angka1, "+", angka2, "=", tambah(angka1, angka2))  
elif pilihan == '2':  
    print(angka1, "-", angka2, "=", kurang(angka1, angka2))  
elif pilihan == '3':  
    print(angka1, "*", angka2, "=", kali(angka1, angka2))  
elif pilihan == '4':  
    print(angka1, "/", angka2, "=", bagi(angka1, angka2))  
else:  
    print("Input salah")  
  
[student@workstation ~]$ python kalkulator.py  
Pilih operasi.  
1. Tambah  
2. Kurang  
3. Kali  
4. Bagi  
Masukan pilihan (1/2/3/4): 2  
Masukan angka pertama: 5  
Masukan angka kedua: 1
```



Activities Terminal Feb 27 04:07

```
student@workstation:~  
Masukan angka kedua: 1  
Traceback (most recent call last):  
  File "/home/student/kalkulator.py", line 32, in <module>  
    print(angka1, "-", angka2, "=", kurang(angka1, angka2))  
NameError: name 'angka1' is not defined  
[student@workstation ~]$ nano kalkulator.py  
[student@workstation ~]$ cat kalkulator.py  
# Program kalkulator sederhana  
  
def tambah(x, y):  
    return x + y  
  
def kurang(x, y):  
    return x - y  
  
def kali(x, y):  
    return x * y  
  
def bagi(x, y):  
    if y == 0:  
        return "Tidak dapat dibagi oleh nol!"  
    else:  
        return x / y
```



Red Hat


Activities Terminal Feb 27 04:07

```
student@workstation:~$ cat kalkulator.py
print("Pilih operasi.")
print("1. Tambah")
print("2. Kurang")
print("3. Kali")
print("4. Bagi")

pilihan = input("Masukan pilihan (1/2/3/4): ")
angka1 = float(input("Masukan angka pertama: "))
angka2 = float(input("Masukan angka kedua: "))

if pilihan == '1':
    print(angka1, "+", angka2, "=", tambah(angka1, angka2))
elif pilihan == '2':
    print(angka1, "-", angka2, "=", kurang(angka1, angka2))
elif pilihan == '3':
    print(angka1, "*", angka2, "=", kali(angka1, angka2))
elif pilihan == '4':
    print(angka1, "/", angka2, "=", bagi(angka1, angka2))
else:
    print("Input salah")

[student@workstation ~]$ python kalkulator.py
Pilih operasi.
```



Red Hat

Activities Terminal Feb 27 04:08

```
student@workstation:~$ python kalkulator.py
Pilih operasi.
1. Tambah
2. Kurang
3. Kali
4. Bagi
Masukan pilihan (1/2/3/4): 6
Masukan angka pertama: 5
Masukan angka kedua: 3
Input salah
[student@workstation ~]$ python kalkulator.py
Pilih operasi.
1. Tambah
2. Kurang
3. Kali
4. Bagi
Masukan pilihan (1/2/3/4): 2
Masukan angka pertama: 7
Masukan angka kedua: 5
7.0 - 5.0 = 2.0
[student@workstation ~]$
```