

**APLIKASI PYTHON UNTUK MENYELESAIKAN
PROSES ENKRIPSI DAN DEKRIPSI CAESAR CIPHERTEXT
UNTUK KODE ASCII**



Nama Kelompok :

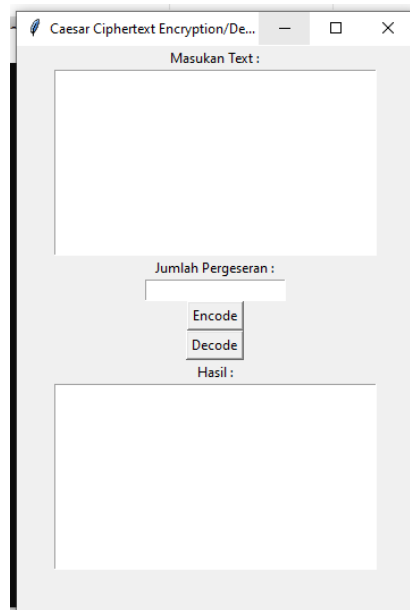
**Avrino Hanggoro Saputra
2055201032**

**Basofi Rachmadani
2055201045**

**PRODI TEKNIK INFORMATIKA
FAKULTAS TEKNIK
UNIVERSITAS MUHAMMADIYAH BENGKULU**

1. Untuk bagian desain : Avrino Hanggoro Saputra
2. Untuk bagian Enkripsi : Avrino Hanggoro Saputra
3. Untuk bagian Dekripsi : Basofi Rachmadani

A. Tampilan & Cara Kerja Aplikasi Python Proses Enkripsi Dan Dekripsi Caesar Ciphertext



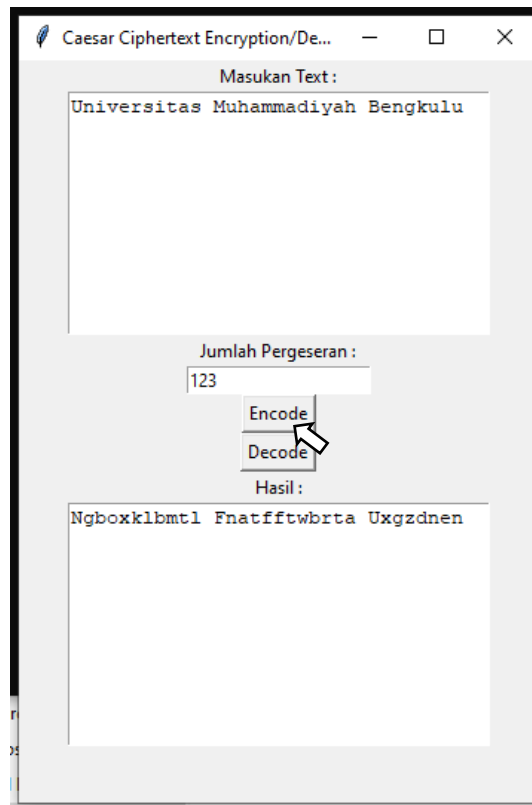
Desain

```
D:\SEMESTER 7\KRIPTOGRAFI\TugasKelompok\chiptext&plaintext.py - Notepad++ [Administrator]
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

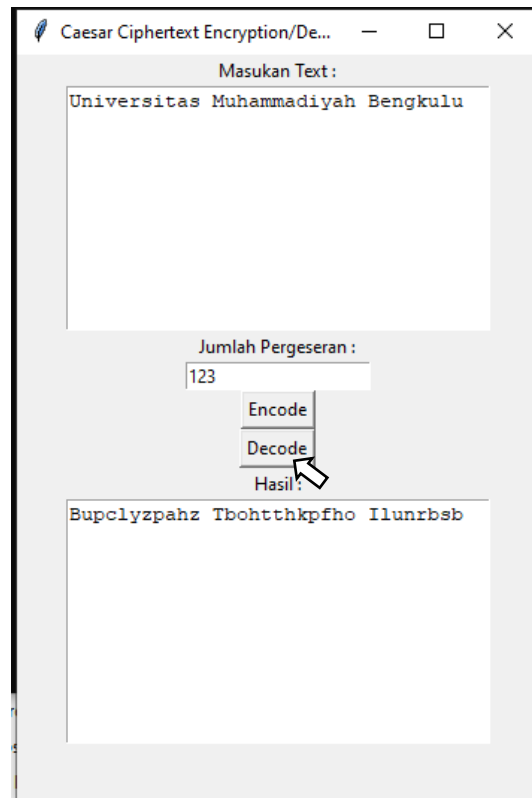
chiptext&plaintext.py [3]
1 import tkinter as tk
2
3 def caesar_cipher(text, shift):
4     result = ""
5     for char in text:
6         if char.isalpha():
7             is_upper = char.isupper()
8             char = char.lower()
9             char_code = ord(char)
10            char_code = (char_code - ord('a') + shift) % 26 + ord('a')
11            if is_upper:
12                char_code -= 32
13            char = chr(char_code)
14            result += char
15    return result
16
17 def encrypt():
18     text = input_text.get("1.0", "end-1c")
19     shift = int(shift_value.get())
20     encrypted_text = caesar_cipher(text, shift)
21     output_text.delete("1.0", "end")
22     output_text.insert("1.0", encrypted_text)
23
24 def decrypt():
25     text = input_text.get("1.0", "end-1c")
26     shift = int(shift_value.get())
27     decrypted_text = caesar_cipher(text, -shift)
28     output_text.delete("1.0", "end")
29     output_text.insert("1.0", decrypted_text)
30
31 app = tk.Tk()
32 app.title("Caesar Ciphertext Encryption/Decryption")
33 app.geometry('350x500')
34
```

```
chiptext&plaintext.py [3]
34
35 input_label = tk.Label(app, text="Masukan Text :")
36 input_label.pack()
37
38 input_text = tk.Text(app, width=35, height=10)
39 input_text.pack()
40
41 shift_label = tk.Label(app, text="Jumlah Pergeseran :")
42 shift_label.pack()
43
44 shift_value = tk.Entry(app)
45 shift_value.pack()
46
47 encrypt_button = tk.Button(app, text="Encode", command=encrypt)
48 encrypt_button.pack()
49
50 decrypt_button = tk.Button(app, text="Decode", command=decrypt)
51 decrypt_button.pack()
52
53 output_label = tk.Label(app, text="Hasil :")
54 output_label.pack()
55
56 output_text = tk.Text(app, width=35, height=10)
57 output_text.pack()
58
59 app.mainloop()
```

Coding aplikasi pyhton



Menggunakan Enkripsi



Menggunakan Dekripsi