

LAPORAN
UJIAN PENGOLAHAN CITRA DIGITAL
“Aplikasi Perbaikan Citra”



Dosen Pengampuh
Shinta Dwi Anggreni, S.Si.,M.Kom

Disusun Oleh :
Wahyudi. Z F55121078
TI C

PROGRAM STUDI TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
FAKULTAS TEKNIK
UNIVERSITAS TADULAKO
2023

I. KODE PROGRAM

```
1 import tkinter as tk
2 from tkinter import filedialog
3 from PIL import Image, ImageTk, ImageFilter
4
5 root = tk.Tk()
6 root.title('Ujian PCD')
7
8 main_frame = tk.LabelFrame(root, text="Perbaikan Citra", padx=10, pady=10)
9 main_frame.pack(padx=100, pady=10)
10
11 label_frame = tk.LabelFrame(main_frame)
12 label_frame.pack(fill=tk.BOTH, padx=10, pady=10)
13
14 def browse_file():
15     global img
16     file_path = filedialog.askopenfilename()
17     img = Image.open(file_path)
18     image2 = img
19     image3 = img
20     img = img.resize((200, 200))
21     img = ImageTk.PhotoImage(img)
22     label7 = tk.Label(label_frame, image=img)
23     label7.pack(side=tk.LEFT, padx=5)
24
25     image2 = image2.resize((200, 200))
26     image2 = sharpened_image = image2.filter(ImageFilter.SHARPEN)
27     photo2 = ImageTk.PhotoImage(image2)
28     label8 = tk.Label(label_frame, image=photo2)
29     label8.image = photo2
30     label8.pack(side=tk.LEFT, padx=5)
31
32     image3 = image3.resize((200, 200))
33     image3 = blurred_image = image3.filter(ImageFilter.BLUR)
34     photo3 = ImageTk.PhotoImage(image3)
35     label9 = tk.Label(label_frame, image=photo3)
36     label9.image = photo3
37     label9.pack(side=tk.LEFT, padx=5)
38
39 btnimage = tk.Button(main_frame, text="Search Image", command=browse_file)
40 label1 = tk.Label(main_frame, text="Original Image")
41 label2 = tk.Label(main_frame, text="Metode sharpen")
42 label3 = tk.Label(main_frame, text="Metode blur")
43
44 btnimage.pack(side=tk.LEFT, padx=5)
45 label1.pack(side=tk.LEFT, padx=5)
46 label2.pack(side=tk.LEFT, padx=100)
47 label3.pack(side=tk.LEFT, padx=5)
48
49 main_frame2 = tk.LabelFrame(root, text="Creator", padx=60, pady=5)
50 main_frame2.pack()
51
52 label4 = tk.Label(main_frame2, text="Nama : Wahyudi. Z")
53 label5 = tk.Label(main_frame2, text="NIM : F55121078")
54 label6 = tk.Label(main_frame2, text="Kelas : TI C")
55
56 label4.pack(side=tk.LEFT, padx=10)
57 label5.pack(side=tk.LEFT, padx=50)
58 label6.pack(side=tk.LEFT, padx=10)
59
60 root.mainloop()
```

II. INTERFACE



III. HASIL

