## LAPORAN UJIAN PENGOLAHAN CITRA DIGITAL

"Aplikasi Perbaikan Citra"



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### **Disusun Oleh:**

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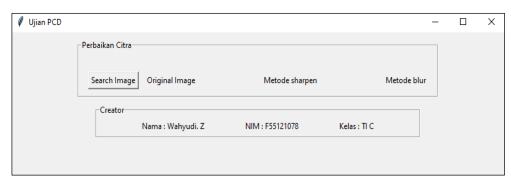
TI C

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

#### I. KODE PROGRAM

```
import tkinter as tk
    from tkinter import filedialog
    from PIL import Image, ImageTk, ImageFilter
    root = tk.Tk()
    root.title('Ujian PCD')
8 main_frame = tk.LabelFrame(root, text="Perbaikan Citra",padx=10,pady=10)
    main_frame.pack(padx=100, pady=10)
    label_frame = tk.LabelFrame(main_frame)
    label_frame.pack(fill=tk.BOTH, padx=10, pady=10)
   def browse_file():
        global img
        file_path = filedialog.askopenfilename()
        img = Image.open(file_path)
        image2 = img
        image3 = img
        img = img.resize((200, 200))
        img = ImageTk.PhotoImage(img)
        label7 = tk.Label(label_frame , image=img)
        label7.pack(side=tk.LEFT, padx=5)
        image2 = image2.resize((200,200))
        image2 = sharpened_image = image2.filter(ImageFilter.SHARPEN)
        photo2 = ImageTk.PhotoImage(image2)
        label8 = tk.Label(label_frame, image=photo2)
        label8.image = photo2
        label8.pack(side=tk.LEFT, padx=5)
        image3 = image3.resize((200,200))
        image3 = blurred_image = image3.filter(ImageFilter.BLUR)
        photo3 = ImageTk.PhotoImage(image3)
        label9 = tk.Label(label_frame, image=photo3)
        label9.image = photo3
        label9.pack(side=tk.LEFT, padx=5)
    btnimage = tk.Button(main_frame, text="Search Image", command=browse_file)
    label1 = tk.Label(main_frame, text="Original Image")
    label2 = tk.Label(main_frame, text="Metode sharpen")
    label3 = tk.Label(main_frame, text="Metode blur")
    btnimage.pack(side=tk.LEFT, padx=5)
    label1.pack(side=tk.LEFT, padx=5)
    label2.pack(side=tk.LEFT, padx=100)
    label3.pack(side=tk.LEFT, padx=5)
    main_frame2 = tk.LabelFrame(root, text="Creator",padx=60,pady=5)
    main_frame2.pack()
    label4 = tk.Label(main_frame2, text="Nama : Wahyudi. Z")
    label5 = tk.Label(main_frame2, text="NIM : F55121078")
    label6 = tk.Label(main_frame2, text="Kelas : TI C")
    label4.pack(side=tk.LEFT, padx=10)
    label5.pack(side=tk.LEFT, padx=50)
    label6.pack(side=tk.LEFT, padx=10)
60 root.mainloop()
```

### II. INTERFACE



### III. HASIL

