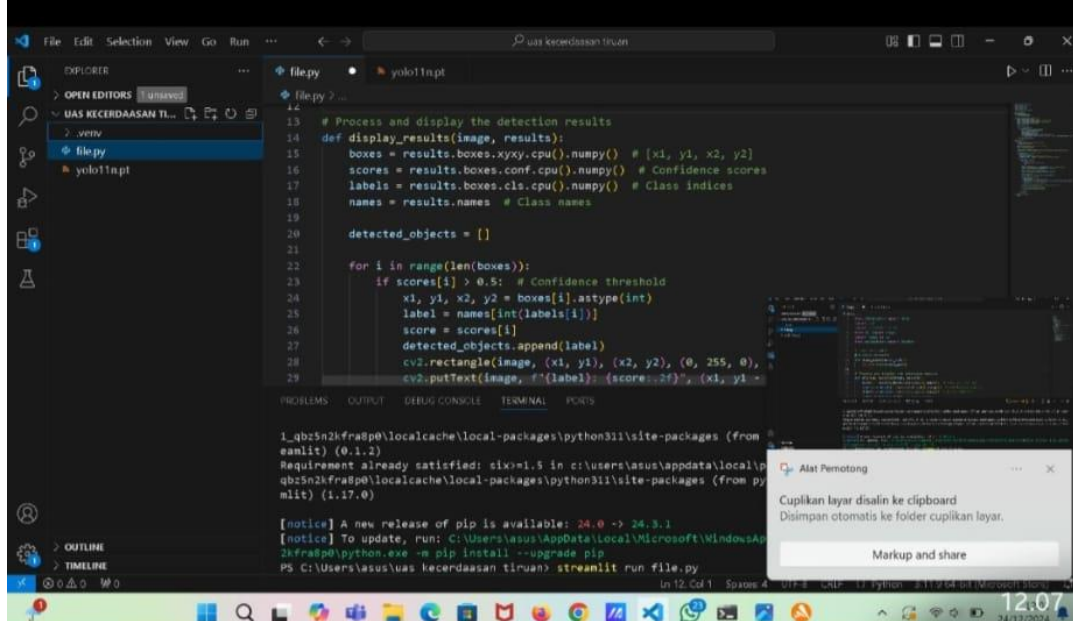
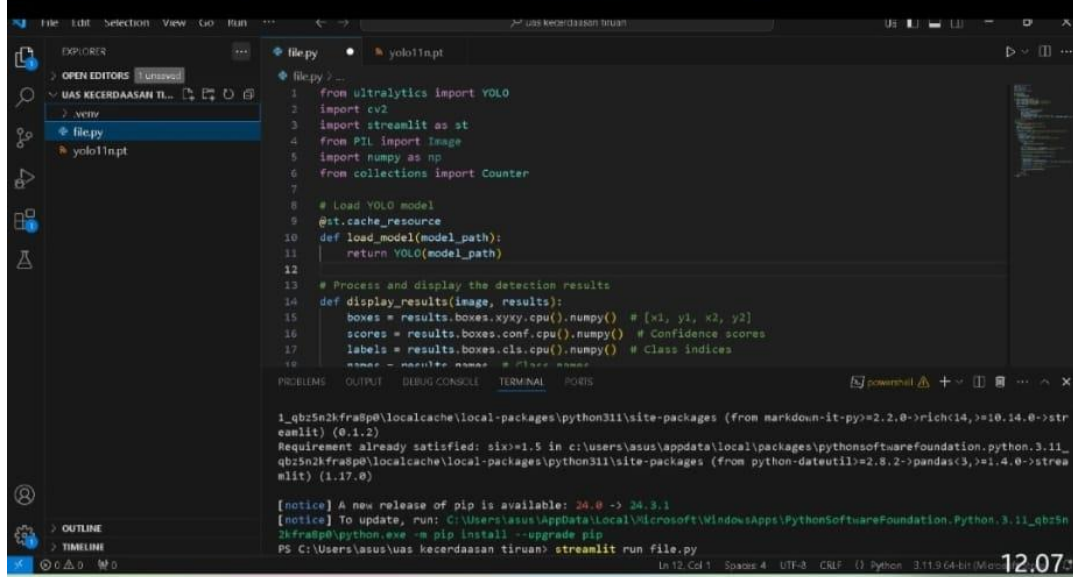
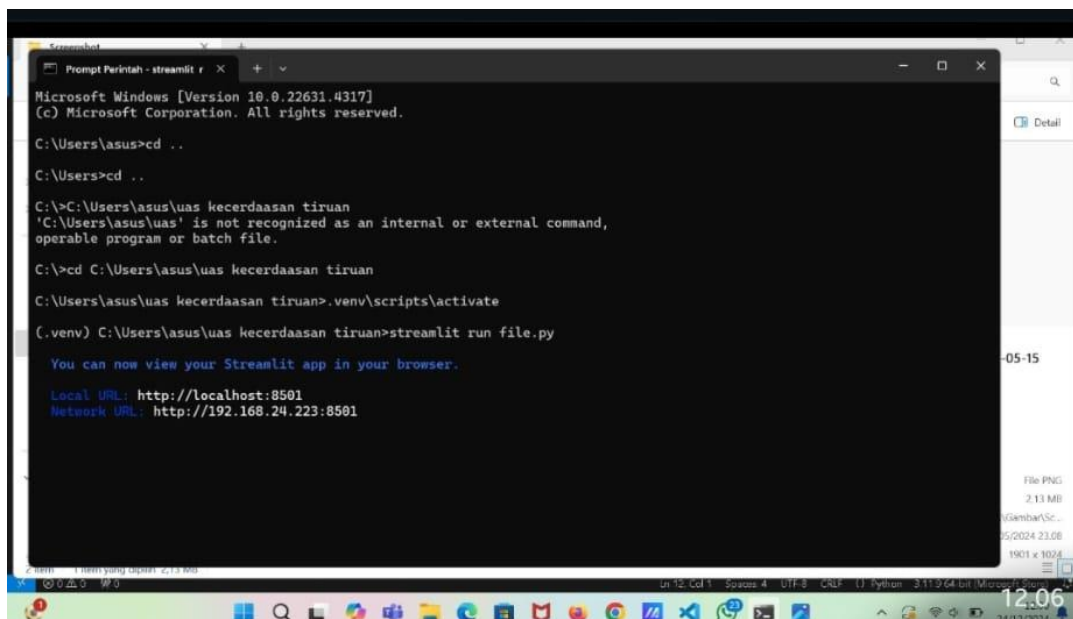


Nama : Rosdan

Nim : 230741099

Makul : Kecerdasan tiruan

Hasil Deploy



```
14 def display_results(image, results):
15     return image, detected_objects
16
17 # Main Streamlit app
18 def main():
19     st.title("Real-time Object Detection with YOLO")
20     st.sidebar.title("Settings")
21
22     model_path = "yolo11n.pt" # Path to your YOLO model
23     model = load_model(model_path)
24
25     # Create the checkbox once
26     run_detection = st.sidebar.checkbox("Start/Stop Object Detection", key="detection_control")
27
28     # Open video capture if checkbox is active
29     if run_detection:
30         cap = cv2.VideoCapture(0)
```

1_qbz5n2kfr8p0\localcache\local-packages\python311\site-packages (from markdown-it-py==2.2.0->rich[14,]>10.14.0->streamlit) (0.1.2)
Requirement already satisfied: six>=1.5 in c:\users\sasus\appdata\local\packages\pythonsoftwarefoundation.python.3.11_qbz5n2kfr8p0\localcache\local-packages\python311\site-packages (from python-dateutil>=2.8.2->pandas<3,>=1.4.0->streamlit) (1.17.0)
[notice] A new release of pip is available: 24.0 -> 24.3.1
[notice] To update, run: C:\Users\sasus\AppData\Local\Microsoft\WindowsApps\PythonSoftwareFoundation.Python.3.11_qbz5n2kfr8p0\python.exe -m pip install --upgrade pip
PS C:\Users\sasus\uas_kecerdasaan_tiruan> streamlit run file.py

```
34 def main():
35     st_frame = st.empty() # Placeholder for video frames
36     st_detection_info = st.empty() # Placeholder for detection information
37
38     while True:
39         ret, frame = cap.read()
40         if not ret:
41             st.warning("Failed to capture image.")
42             break
43
44         # Run YOLO detection
45         frame = cv2.cvtColor(frame, cv2.COLOR_BGR2RGB) # Convert to RGB for display
46         results = model.predict(frame, imgsz=640) # Perform detection
47
48         # Draw results and collect detected objects
49         frame, detected_objects = display_results(frame, results[0])
50
51         # Display video feed
52         st_frame.image(frame, channels="RGB", use_column_width=True)
53
54         # Display detection information
55         if detected_objects:
56             object_counts = Counter(detected_objects)
57             detection_info = "\n".join([f'{obj}: {count}' for obj, count in object_counts.items()])
58         else:
59             detection_info = "No objects detected."
60
61         st_detection_info.text(detection_info) # Update detection info text
62
63         # Break the loop if checkbox is unchecked
64         if not st.session_state.detection_control:
65             break
```

1_qbz5n2kfr8p0\localcache\local-packages\python311\site-packages (from markdown-it-py==2.2.0->rich[14,]>10.14.0->streamlit) (0.1.2)
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```
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65
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69     detection_info = "\n".join([f'{obj}: {count}' for obj, count in object_counts.items()])
70 else:
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72
73 st_detection_info.text(detection_info) # Update detection info text
74
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76 if not st.session_state.detection_control:
77     break
```

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