

LAMPIRAN

Lampiran A
Listing Code Deteksi wajah

```

import cv2
import time

CONFIDENCE_THRESHOLD = 0.2
NMS_THRESHOLD = 0.4
COLORS = [(0, 255, 255), (255, 255, 0), (0, 255, 0), (255, 0, 0)]

class_names = []
with open ("classes.txt", "r") as f:
    class_names = [cname.strip() for cname in f.readlines()]

cap = cv2.VideoCapture("ADAMFIX.mp4")

net = cv2.dnn.readNet("yolov4.weights", "yolov4.cfg")
#net.setPreferableBackend(cv2.dnn.DNN_BACKEND_CUDA)
#net.setPreferableTarget(cv2.dnn.DNN_TARGET_CUDA_FP32)

model = cv2.dnn_DetectionModel(net)
model.setInputParams(size=(608, 608), scale=1/255, swapRB=True)
while cv2.waitKey(1) < 1:
    (grabbed, frame) = cap.read()
    if not grabbed:
        exit()

    start = time.time()
    classes, scores, boxes = model.detect(frame,
CONFIDENCE_THRESHOLD, NMS_THRESHOLD)
    end = time.time()

    for (classid, score, box) in zip(classes, scores, boxes):
        color = COLORS[int(classid) % len(COLORS)]
        label = "%s : %f" % (class_names[classid[0]], score)
        cv2.rectangle(frame, box, color, 2)
        cv2.putText(frame, label, (box[0], box[1]-5),
cv2.FONT_HERSHEY_SIMPLEX, 0.5, color, 1)

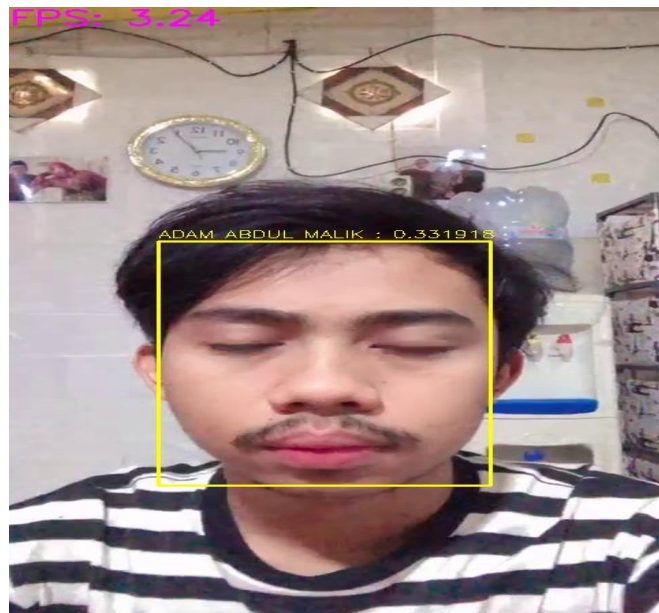
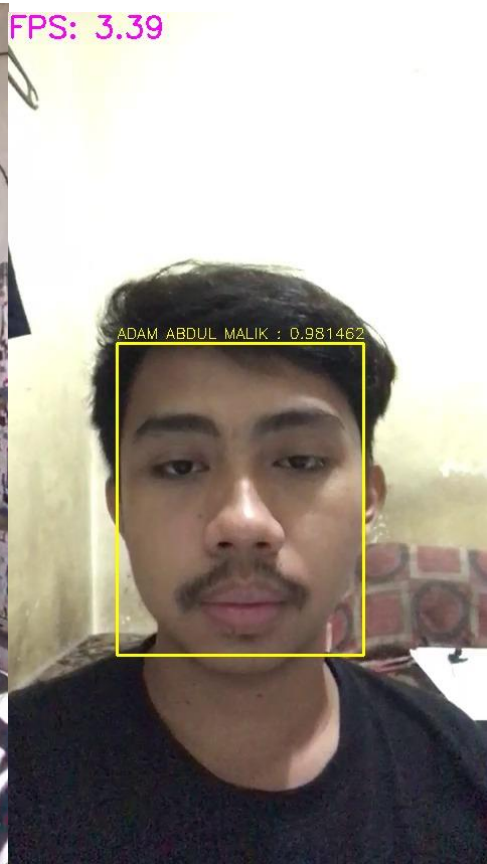
    fps = "FPS: %.2f " % (1 / (end - start))

```

```
cv2.putText(frame, fps, (0, 25), cv2.FONT_HERSHEY_SIMPLEX, 1,  
(255, 0, 255), 2)  
cv2.imshow("output", frame)
```

Lampiran B
Hasil identifikasi wajah bagian sisi depan

ADAM ABDUL MALIK



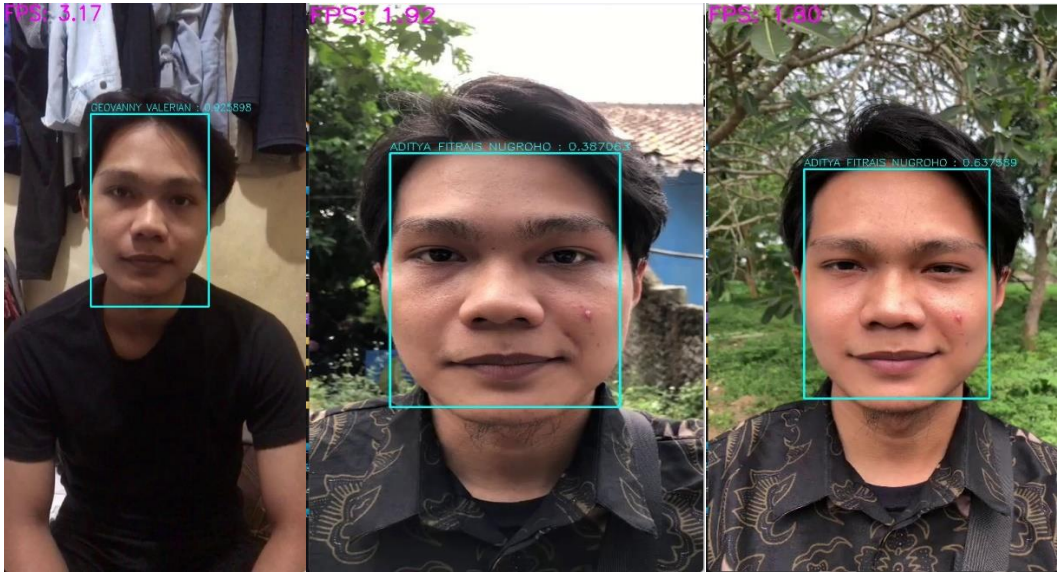
ANANDA SAKSENA SIWI



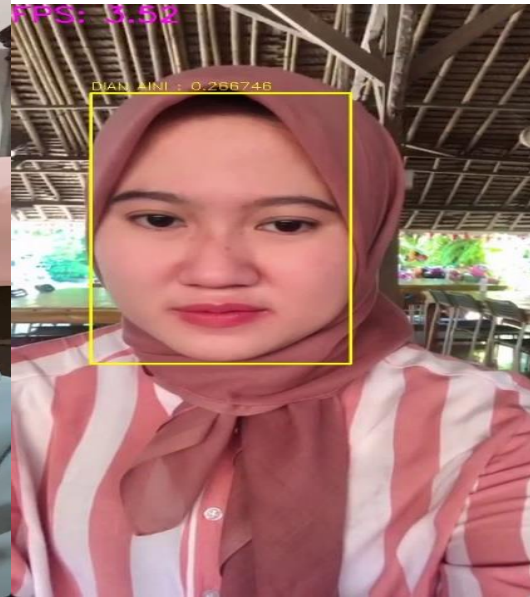
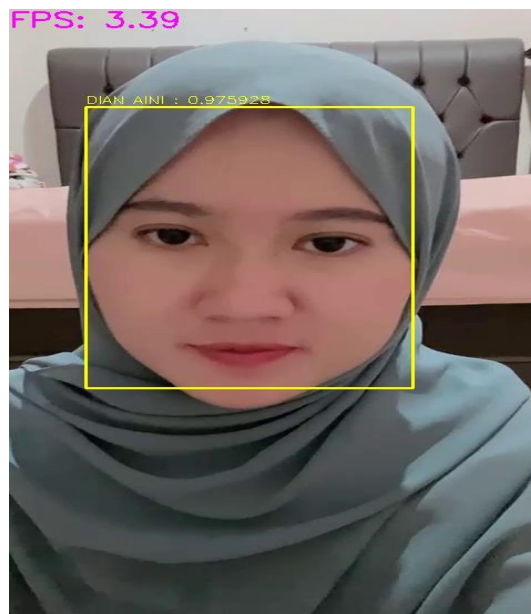
BAPAK SULIS



BIDIN



DIAN AINI



DILA SEPTIYANI

FPS: 3.50



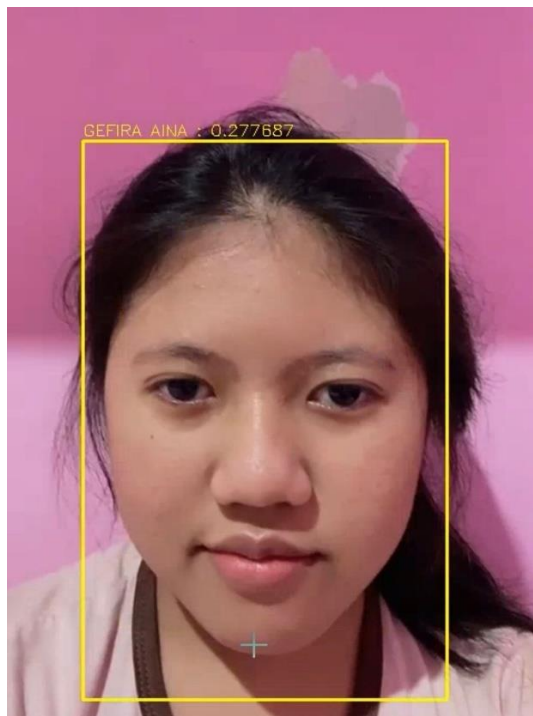
FARIZ ALFARIZI



GALIH PRASETYA



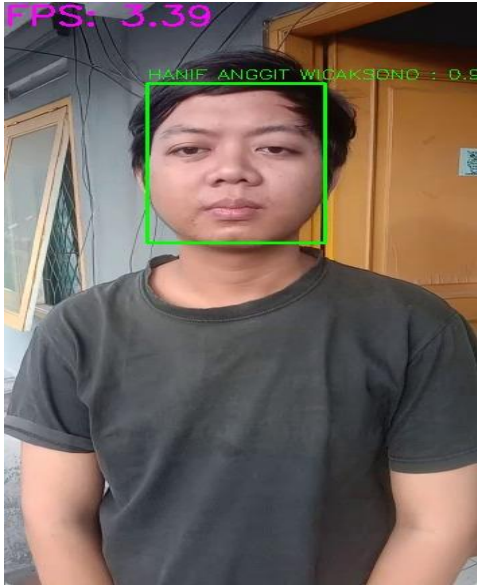
GEFIRA AINA



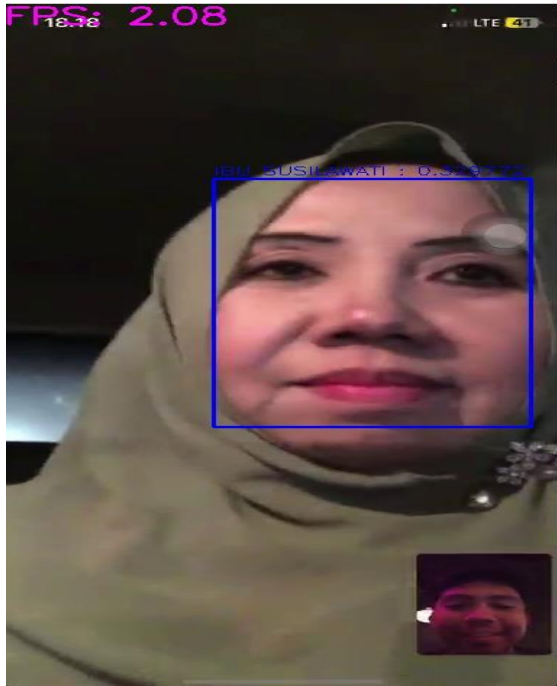
GEOVANY VALERIAN



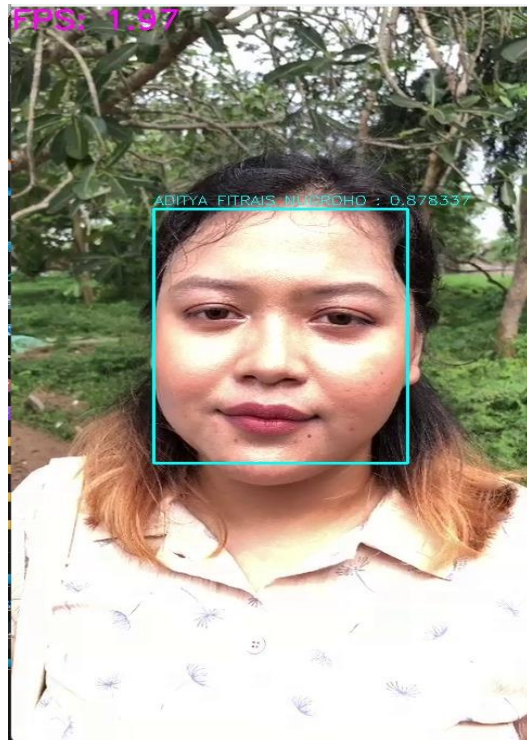
HANIF ANGGIT



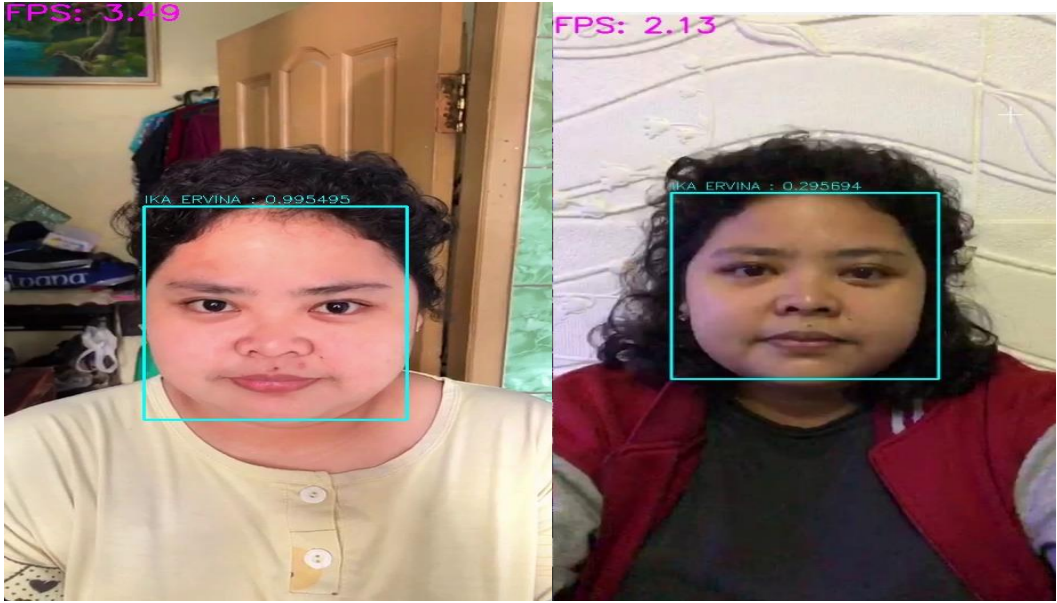
IBU SUSILAWATI



ICAH NURASIYAH



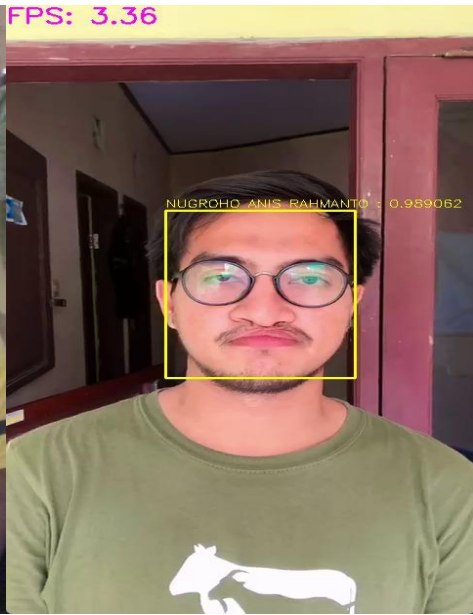
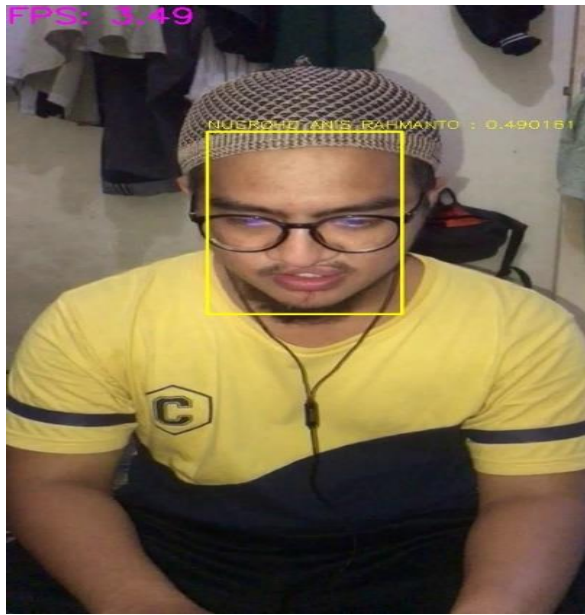
IKA ERVINA



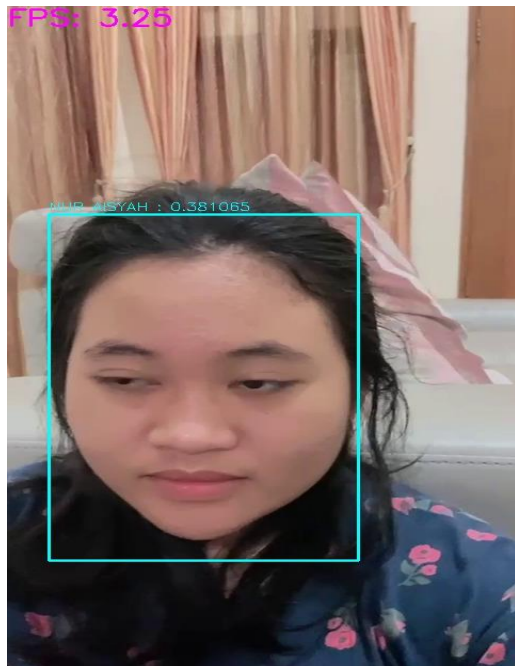
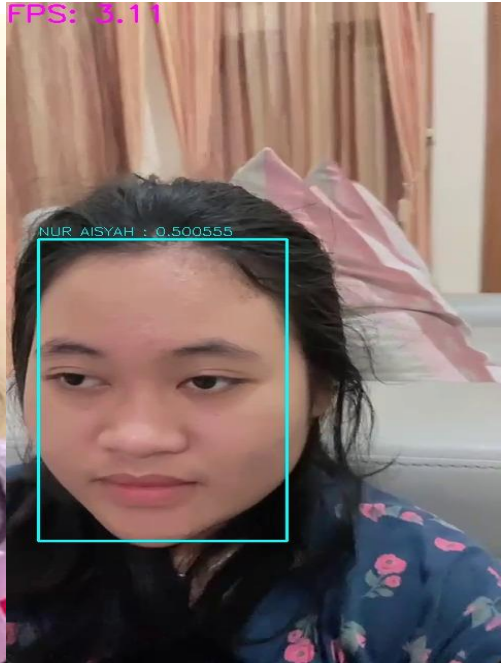
LAYIN HAFIDZAH



NUGROHO ANIS



NUR AISYAH



PANDU AKBAR



RIFALDI

