MUHAMMAD & HELMY

CONVERNT IMAGE TO BINARY TO IAMGE

EPISODE 4

IMAGES ENCODED IN BINARY

COLOR IMAGES ARE COMPOSED OF CLUSTERS OF COLOR VARYING AMOUNTS OF RED, GREEN AND BLUE RANGING FROM ZERO TO 255. DIFFERENT VALUES OF THESE COLORS MAKE UP A SINGLE PIXEL. IMAGE FILES CONTAIN MILLIONS OF THESE COLOR COMBINATIONS.

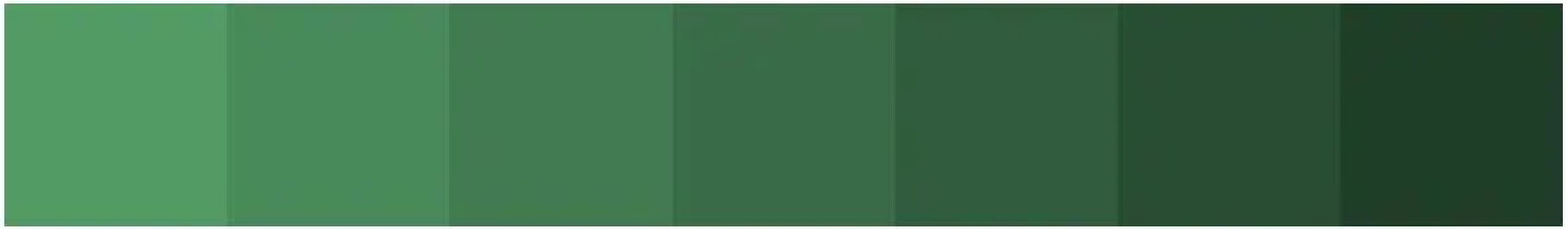
- SCANNER PIXEL

THE PIXEL IS ONE COLOR VALUE SAMPLED FROM A SMALL AREA OF THE ORIGINAL (AT SAY 100 DPI OR EVERY 1/100 INCH) TO CREATE THE COLOR SAMPLES OR PIXELS.

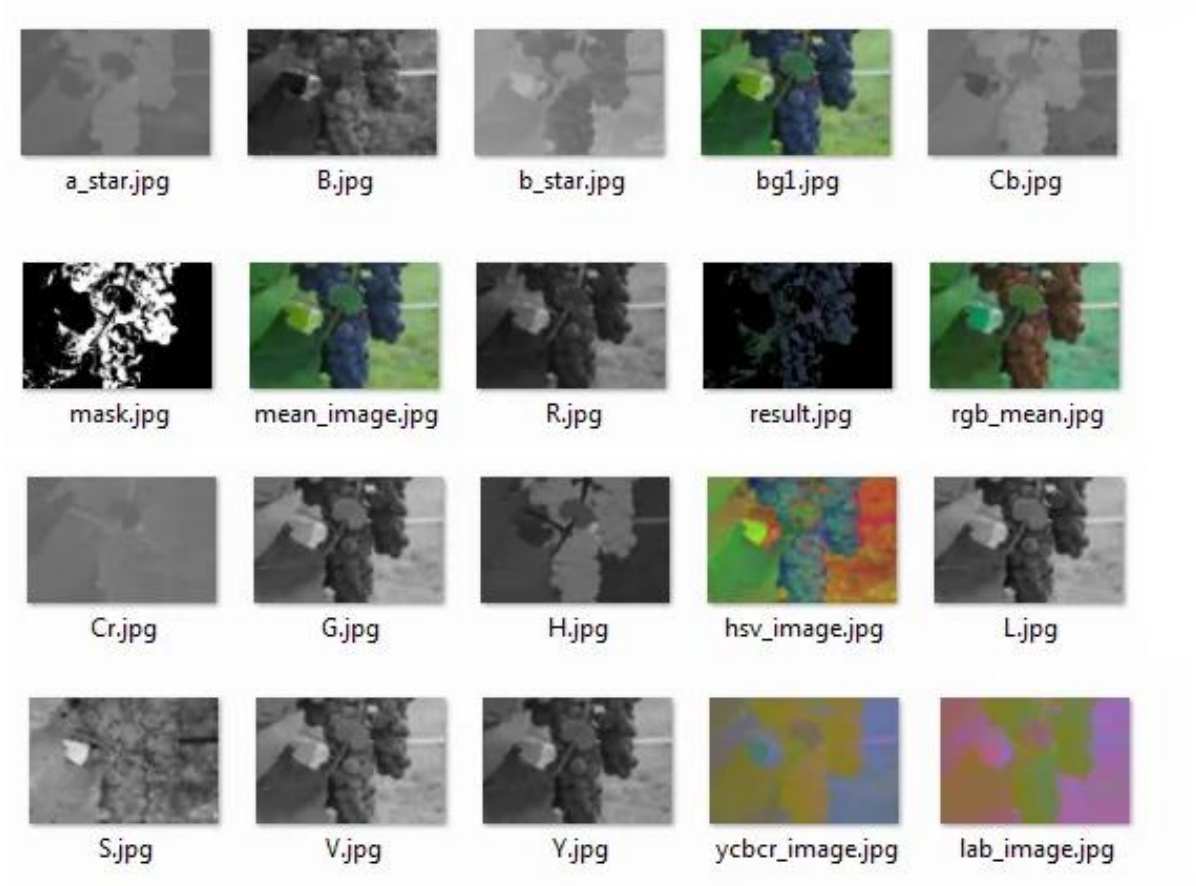
Base Numbers

Base	Red	Green	Blue
Binary	01010010	10011010	01100110
Octal	122	232	146
Decimal	82	154	102
Hex	52	9A	66

Shades of #529a66

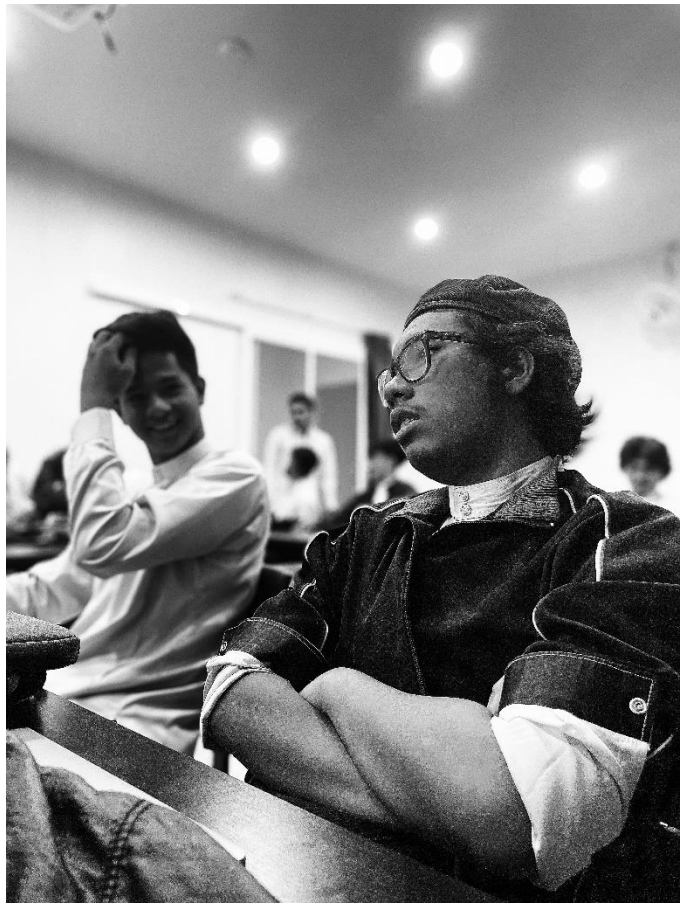


#529a66	#498a5b	#417b51	#396b47	#315c3d	#294d33	#203d28

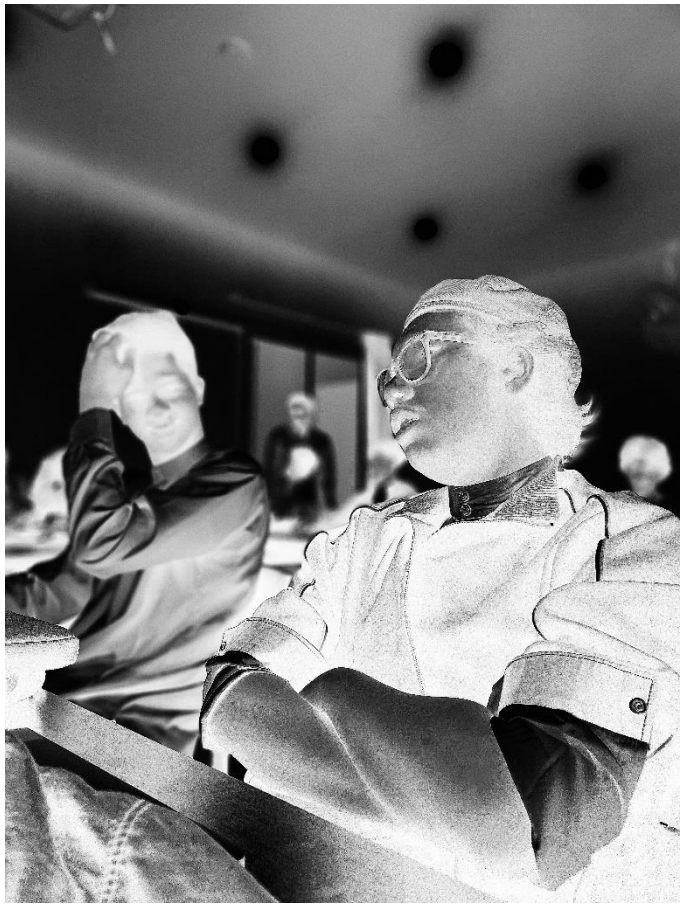


PREPROCESSING TECHNIQUES CAN IMPROVE THE PERFORMANCE OF IMAGE PROCESSING METHODS LIKE IMAGE TRANSFORMATION, SEGMENTAION, FEATURE EXTRACTION, AND OBJECT DETECION.

NORMAL



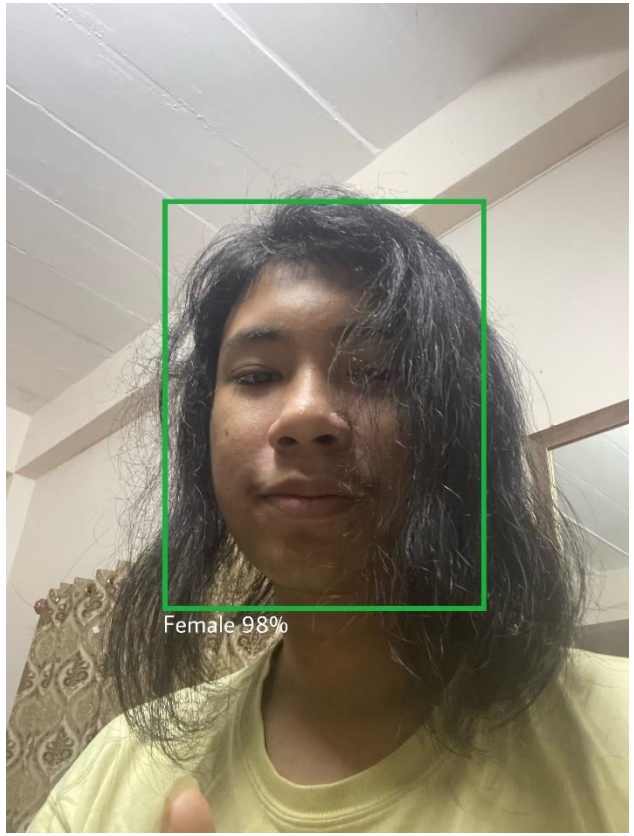
B&W
BUT USING SCANNING
BINARY



MASK 0 & 1
WITH DEEP SCANNING

TEST RESULT BY OPENCV

25/12/23

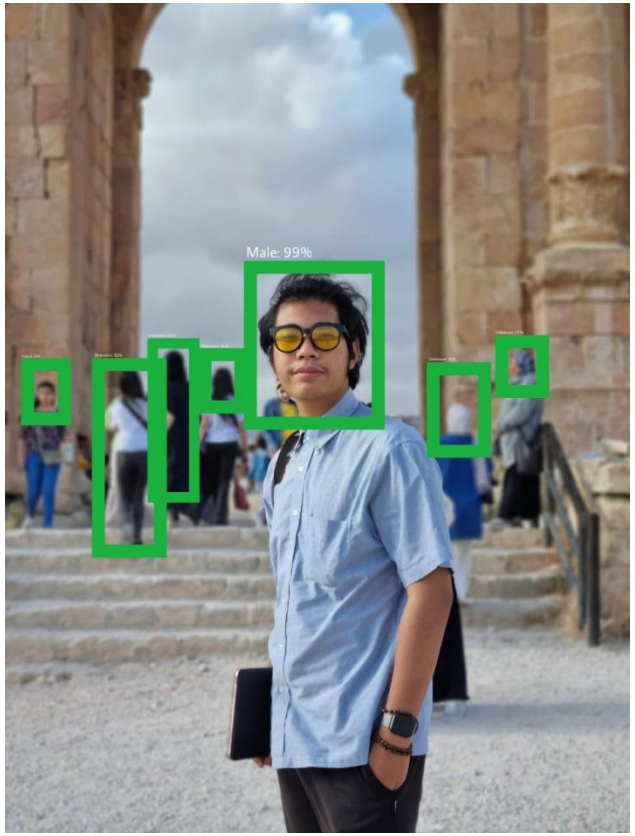


BETA TEST#1

3/1/24

BETA TEST#2

6/1/24



BETA TEST#3