Pengolahan Citra

**Pekan 2. Create basic image and coloring convert RGB into gray and biner flip horizontal and vertical**

**Dosen Pengampu**

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Tugas

Membuat gambar / mendapatkan nilai RGB per pixle, membuat gambar sederhana : garis, kotak, segitiga, lingkaran, memberi warna pada gambar. Konversi RGB gray biner dan flip gambar horizontal dan vertical, menggunakan fingsi dari library opencv

Source Code

from ast import Return

from cv2 import COLOR\_BGRA2BGR

import numpy as np

import cv2

from matplotlib import pyplot as plt

import matplotlib.image as mpimg

import time

from array import \*

def access\_image():

    img01 = cv2.imread('img/sapi.jpg')

    row1, col1, n = img01.shape

    print(row1, col1)

    img02 = np.zeros((row1, col1, 3), np.uint8)

    img03 = np.zeros((140, 200, 3), np.uint8)

    img04 = np.zeros((140, 200, 3), np.uint8)

    img02 = cv2.cvtColor(img01, cv2.COLOR\_BGR2RGB)

    img03 = img02.copy()

    color = (0, 0, 255)

    img04 = np.full((140, 200, 3), color, np.uint8)

    row4, col4, n = img04.shape

    print(row4, col4)

    plt.subplot(2, 2, 1), plt.imshow(img01)

    plt.title('Sapi 01'), plt.xticks([]), plt.yticks([])

    plt.subplot(2, 2, 2), plt.imshow(img02)

    plt.title('Sapi 02'), plt.xticks([]), plt.yticks([])

    plt.subplot(2, 2, 3), plt.imshow(img03)

    plt.title('Sapi 03'), plt.xticks([]), plt.yticks([])

    plt.subplot(2, 2, 4), plt.imshow(img04)

    plt.title('Sapi 04'), plt.xticks([]), plt.yticks([])

    plt.show()

return

access\_image()

Ouput Source Code:

