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Perbaikan soal 1 UTS - Menampilkan histogram
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original image = imread("original image 1.jpg");
red channel = original image(:,:,1);
green channel = original image(:,:,2);
blue_channel = original_image(:,:,3);
red_image = cat(3, red_channel*1, green_channel*0, blue_channel*0);
green image = cat(3, red channel*0, green channel*1, blue channel*0);
blue_image = cat(3, red_channel*0, green_channel*0, blue_channel*1);
gray image = rgb2gray(original image);
% max(max(original image))
figure("Name", "Histogram - Robert Antonius", "WindowState", "maximized");
figure_n = 3; figure_m = 4;
subplot(figure_n,figure_m, 1), imshow(original_image), title("RGB Image");
subplot(figure n,figure m, 5), imshow(gray image), title("Grayscale Image");
subplot(figure_n,figure_m, 3), imshow(red_image), title("Red Channel Image");
subplot(figure_n,figure_m, 7), imshow(green_image), title("Green Channel Image");
subplot(figure_n,figure_m,11), imshow(blue_image), title("Blue Channel Image");
subplot(figure_n,figure_m,2), imhist(original_image), title("RGB Histogram");
subplot(figure_n,figure_m,6), imhist(gray_image), title("Grayscale Histogram");
subplot(figure_n,figure_m, 4), imhist(red_image), title("Red Channel Histogram");
subplot(figure_n,figure_m, 8), imhist(green_image), title("Green Channel Histogram");
subplot(figure_n,figure_m,12), imhist(blue_image), title("Blue Channel Histogram");
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