

PENGOLAHAN CITRA

Format Citra dan Struktur Data untuk Citra

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Disusun Oleh:

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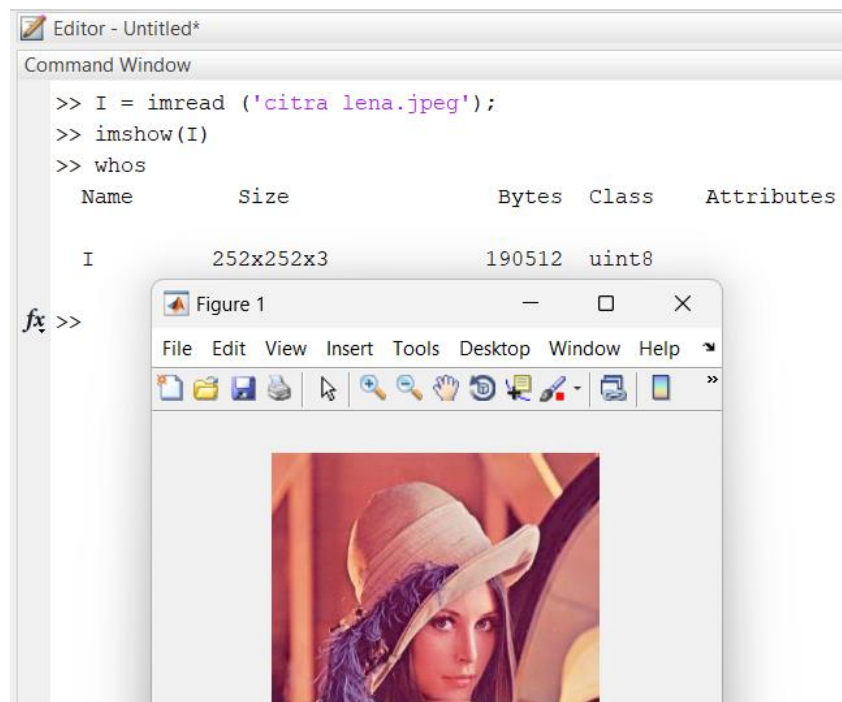
Informatika A

PROGRAM STUDI TEKNIK INFORMATIKA

INSTITUT TEKNOLOGI GARUT

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Menampilkan dan membaca citra



Citra grayscale

```
>> img = imread('lena.PNG');  
>> whos
```

Name	Size	Bytes	Class	Attributes
I	252x252x3	190512	uint8	
img	313x315x3	295785	uint8	

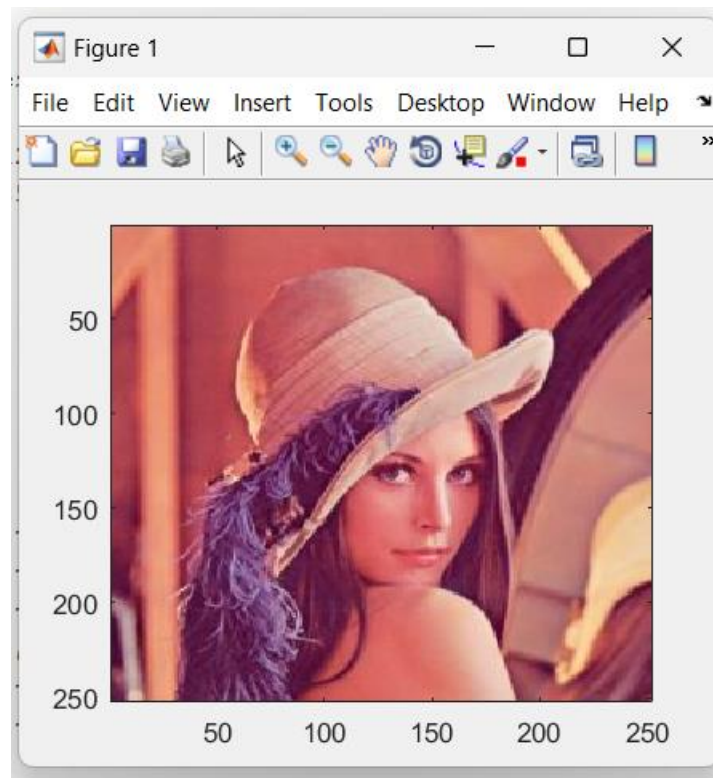
```
>> imshow(img)  
>> img(20:25, 100:110)
```

ans =

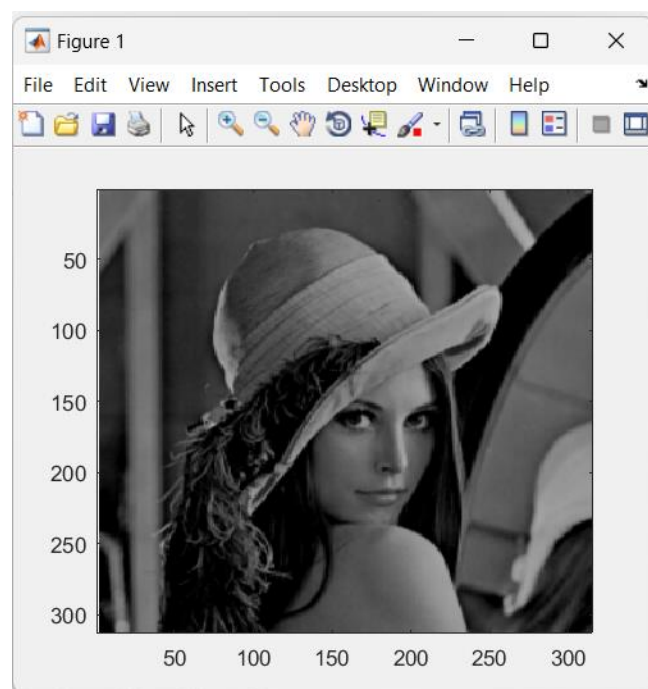
6x11 uint8 matrix

71	72	73	71	72	73	73	72	72	71	71
72	72	71	71	70	72	72	73	72	71	71
72	72	70	71	68	70	71	72	71	71	71
70	68	68	71	68	70	69	68	69	70	71
71	71	69	71	69	67	68	70	70	70	70
70	71	70	71	69	68	69	72	70	70	70

```
imshow(I(:, :, 1))
```



```
imshow(I(:, :, 3))
```



menampilkan data bitmap

```
>> I(:,:,3)

ans =

252x252 uint8 matrix

Columns 1 through 20

    123    122    121    120    119    118    115    111    111    109    106    105    103    103    103    104    112    115    117    117
    122    120    119    119    118    117    114    110    109    108    105    104    103    103    103    104    110    114    116    117
    120    119    116    116    116    115    112    109    108    107    104    103    102    102    102    103    106    110    113    117
    118    117    114    114    115    113    109    108    107    107    104    103    101    101    101    103    105    107    111    115
    114    113    113    113    113    112    109    107    107    107    104    103    102    102    101    102    104    106    110    114
    113    112    112    112    112    110    109    107    108    107    104    103    103    103    102    102    105    107    111    115
    112    111    111    110    111    111    109    106    109    108    105    104    104    104    104    103    107    109    112    115
    112    109    109    110    111    111    107    106    109    109    106    105    104    104    104    103    109    109    113    116
    110    108    108    108    108    107    107    107    105    107    108    106    103    103    107    110    109    108    111    111
    108    108    108    108    108    108    108    108    106    107    107    105    102    103    107    111    109    108    111    111
    105    105    105    106    106    107    107    107    106    107    106    104    102    104    109    112    108    108    110    112
    104    105    105    106    107    107    108    108    107    107    106    104    103    106    110    113    109    108    110    111
    104    104    105    105    107    108    108    109    108    107    106    105    106    108    112    114    111    109    110    110
    105    105    105    106    107    108    108    108    108    107    108    109    112    115    115    112    111    111    111
    106    106    106    106    106    106    107    107    108    108    109    111    113    115    116    116    113    111    111    111
    107    107    107    107    107    107    109    109    110    110    110    112    115    116    116    114    113    111    111    110
    106    106    107    109    112    112    113    113    115    114    113    114    117    117    115    110    109    110    111    110
    108    108    110    111    113    116    116    117    118    117    116    117    116    114    113    112    109    108    110    107
    109    109    111    112    114    115    116    116    115    116    117    117    114    111    111    109    108    107    109    106
    110    110    111    111    114    115    116    115    113    114    116    114    109    105    105    106    106    105    108    106
```

membaca Citra gif

```
>> [C, map] = imread('kodok.gif');
>> whos
  Name      Size      Bytes  Class  Attributes

  C          4-D          2660000  uint8

  I        252x252x3          190512  uint8

  ans       252x252           63504  uint8

  img      313x315x3          295785  uint8

  map         64x3             1536  double

>> imshow(C, map)
```