










Nama : Maldi Ramadhan






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Kelas : C

Data Citra Kue Nastar

NO	Gambar	Luas Area	Perimeter
1		13699	370.323
2		18681.8	356.578
3		13341.4	399.32
4		14558.6	371.483

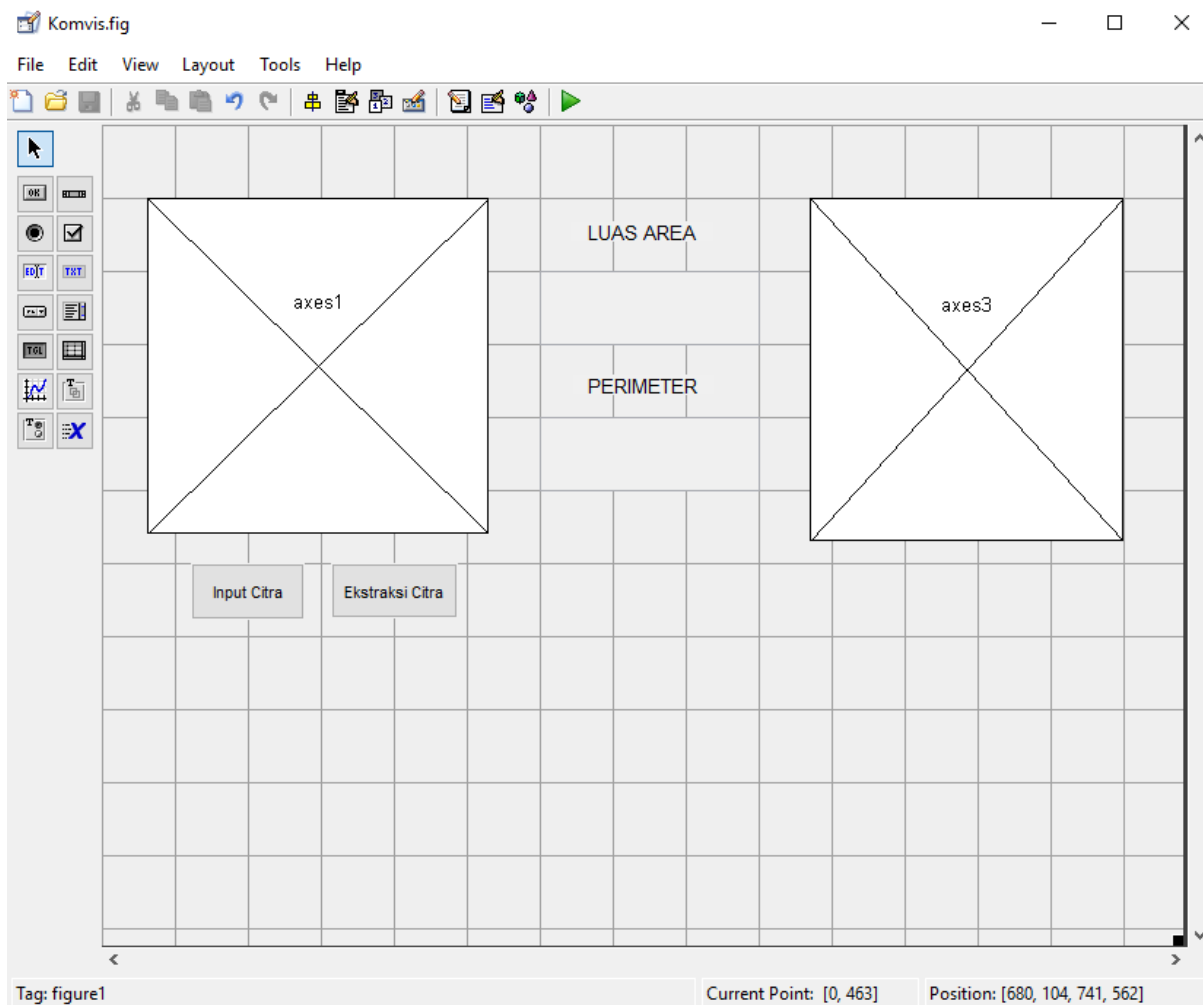
5		16075.5	375.844
6		16877.8	370.644
7		16111	374.732
8		14810.6	370.421
9		13939	370.579

10		16262.5	366.931
11		20231.5	335.6
12		16575.1	364.069
13		19161.9	338.321
14		17503.8	352.26

15		21036.4	329.775
16		20267.6	328.388
17		19198	346.164
18		18512.3	335.475
19		19341.1	337.322

20		19017.4	355.499
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Design GUI :



Source Code :

```
function pushbutton1_Callback(hObject, eventdata, handles)
open = guidata(gcbo);
[namafile]=uigetfile({'*.jpeg;*.jpg;*.bmp;*.png'}, 'openimage');
I=imread(namafile);
set(open.figure1, 'currentAxes', open.axes1);
set(imagesc(I)); colormap('gray');
set(open.axes1, 'Userdata', I);

function pushbutton2_Callback(hObject, eventdata, handles)
open=guidata(gcbo);
x = get(open.axes1, 'userdata');
```

```

y = rgb2gray(x);
level = graythresh(y);
z = im2bw(y,level);
set(open.figure1,'CurrentAxes',open.axes3);
set(imagesc(z));colormap('gray');
set(open.axes3,'Userdata',z);
area = bwarea(z);
perim = bwperim(z);
perimeter = sum (sqrt(sum(perim,2)));
set(handles.edit1,'String',area);
set(handles.edit2,'String',perimeter);

```

Contoh Hasil Ekstraksi

