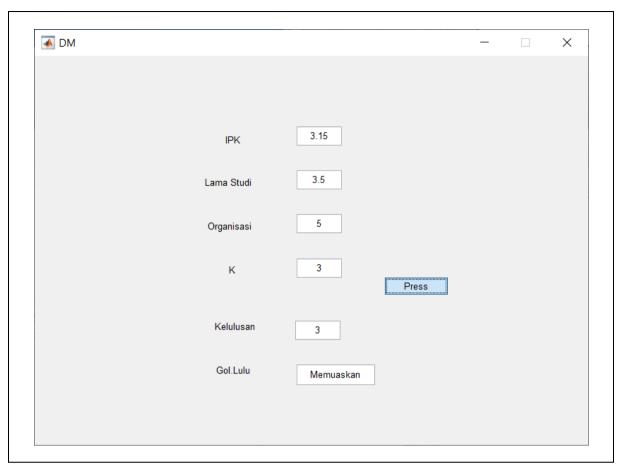Nama : T. M. Ammar

NIM : 123180031

Plug : C

```matlab
function togglebutton1_Callback(hObject, eventdata, handles)
training=[3.81 3.5 5; 3 7 1; 3.67 4.1 3; 3.32 3.8 5; 3 5 2; 3.20 4 4;
2.75 6 3; 3 5 5; 2.52 7 0; 3.47 4.6 3; 3.9 4.2 2];
grup = [4; 2; 4; 3; 2; 3; 1; 2; 1; 3; 4];

input1 = get(handles.edit1,'string');
input2 = get(handles.edit2,'string');
input3 = get(handles.edit3,'string');
input4 = get(handles.edit4,'string');

ipk = str2double(input1);
lamastudi = str2double(input2);
org = str2double(input3);
kel = str2double(input4);

sample=[ipk lamastudi org ];
class = fitcknn(training, grup,'Numneighbor',kel);
lulus = predict(class, sample);
hsl=num2str(lulus);
set (handles.edit5,'string', (hsl));
if hsl=='4'
    ket = 'Istimewa';
    set(handles.edit6,'string',(ket));
else if hsl=='3'
    ket = 'Memuaskan';
    set(handles.edit6,'string',(ket));
else if hsl=='2'
    ket = 'Baik';
    set(handles.edit6,'string',(ket));
else if hsl=='1'
    ket = 'Cukup';
    set(handles.edit6,'string',(ket));
    end
    end
    end
end
```

Listing Program: Data Mining

Gambar : GUI Data mining