LAMPIRAN 1

SOURCE CODE UNTUK PENGENALAN DAUN TANAMAN OBAT

```matlab
function varargout = ProgramUtama_GUI(varargin)
% PROGRAMUTAMA_GUI MATLAB code for ProgramUtama_GUI.fig
%      PROGRAMUTAMA_GUI, by itself, creates a new PROGRAMUTAMA_GUI
or raises the existing
%      singleton*.
%
%      H = PROGRAMUTAMA_GUI returns the handle to a new
PROGRAMUTAMA_GUI or the handle to
%      the existing singleton*.
%
%      PROGRAMUTAMA_GUI('CALLBACK',hObject,eventData,handles,...)
calls the local
%      function named CALLBACK in PROGRAMUTAMA_GUI.M with the
given input arguments.
%
%      PROGRAMUTAMA_GUI('Property','Value',...) creates a new
PROGRAMUTAMA_GUI or raises the
%      existing singleton*.  Starting from the left, property
value pairs are
%      applied to the GUI before ProgramUtama_GUI_OpeningFcn gets
called.  An
%      unrecognized property name or invalid value makes property
application
%      stop.  All inputs are passed to ProgramUtama_GUI_OpeningFcn
via varargin.
%
%      *See GUI Options on GUIDE's Tools menu.  Choose "GUI allows
only one
%      instance to run (singleton)".
%
% See also: GUIDE, GUIDATA, GUIHANDLES

% Edit the above text to modify the response to help
ProgramUtama_GUI

% Last Modified by GUIDE v2.5 26-Feb-2015 13:40:01

% Begin initialization code - DO NOT EDIT
gui_Singleton = 1;
gui_State = struct('gui_Name',       mfilename, ...
                   'gui_Singleton',  gui_Singleton, ...
                   'gui_OpeningFcn', @ProgramUtama_GUI_OpeningFcn, ...
                   'gui_OutputFcn',  @ProgramUtama_GUI_OutputFcn, ...
                   'gui_LayoutFcn',  [] , ...
                   'gui_Callback',   []);
if nargin && ischar(varargin{1})
    gui_State.gui_Callback = str2func(varargin{1});
end

if nargout
    [varargout{1:nargout}] = gui_mainfcn(gui_State, varargin{:});
else
    gui_mainfcn(gui_State, varargin{:});
end
% End initialization code - DO NOT EDIT
```

```matlab
global net;


% --- Executes just before ProgramUtama_GUI is made visible.
function ProgramUtama_GUI_OpeningFcn(hObject, eventdata, handles, varargin)
% This function has no output args, see OutputFcn.
% hObject    handle to figure
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
% varargin   command line arguments to ProgramUtama_GUI (see VARARGIN)

% Choose default command line output for ProgramUtama_GUI
handles.output = hObject;
global net
% Update handles structure
guidata(hObject, handles);
hback = axes('units','normalized','position',[0 0 1 1]);
uistack(hback,'bottom');
% menampilkan background
[back map]=imread('a.jpg');
image(back)
colormap(map)
axes(handles.axes8);
image(imread('Giska','jpg'));
grid off;
axis off;

% UIWAIT makes ProgramUtama_GUI wait for user response (see UIRESUME)
% uiwait(handles.ProgramUtama_GUI);


% --- Outputs from this function are returned to the command line.
function varargout = ProgramUtama_GUI_OutputFcn(hObject, eventdata, handles)
% varargout  cell array for returning output args (see VARARGOUT);
% hObject    handle to figure
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Get default command line output from handles structure
varargout{1} = handles.output;


% --- Executes on button press in bukaGambar.
function bukaGambar_Callback(hObject, eventdata, handles)
% hObject    handle to bukaGambar (see GCBO)
% eventdata  reserved - to be defined in a future version of MATLAB
% handles    structure with handles and user data (see GUIDATA)
global net;
skripsi = guidata(gcbo);
[namafile,direktori]=uigetfile('*.jpg','Buka Gambar');
I = imread(namafile);
set(skripsi.ProgramUtama_GUI,'CurrentAxes',skripsi.CitraAsli);
```

```matlab
set(imshow(I));
set(skripsi.CitraAsli,'Userdata',I);


% --- Executes on button press in btnProses.
function btnProses_Callback(hObject, eventdata, handles)
% hObject    handle to btnProses (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
global net;
skripsi = guidata(gcbo);
a = get(skripsi.CitraAsli,'Userdata');
b = rgb2ycbcr(a);



%kanal warna YCbCr
%-------------------------------------------------------
y = b(:,:,1);
cb = b(:,:,2);
cr = b(:,:,3);



cbc = medfilt2(cb);



tres = graythresh(cbc);



biner = im2bw(cb,tres);



bw = bwareaopen(biner,30);



cbb3 = bw.*bw;
k=imcomplement(cbb3);



  %Tahap citracr Objek
   BWdfill = imfill(k, 'holes');


    %------------------------------------------------------------

    sec1=strel('disk',3);
    bwa=imopen(BWdfill,sec1);
%citra biner
%-------------------------------------------------------
bwa=im2bw(BWdfill);
set(skripsi.ProgramUtama_GUI,'CurrentAxes',skripsi.area);
        set(imshow(bwa));
        set(skripsi.area,'Userdata',bwa);


%citra bentuk perimeter
%-------------------------------------------------------
bwp=bwperim(bwa);
%figure,imshow(bwp);
%------------------------------------------------------------
```

```matlab
set(skripsi.ProgramUtama_GUI,'CurrentAxes',skripsi.peri);
        set(imshow(bwp));
        set(skripsi.peri,'Userdata',bwp);


%menghitung nilai area, perimeter, ik
%----------------------------------------------------
bwareabiner=bwarea(bwa);
bwareaperi=bwarea(bwp);
ik = 4*pi*bwareabiner/bwareaperi^2;
co = bwareaperi^2/(4*pi*bwareabiner);


fprintf(' \tSebelum di Normalisasi = %13.4f\n');
fprintf(' \tarea                   = %13.4f\n',bwareabiner);
fprintf(' \tperimeter              = %13.4f\n',bwareaperi);
fprintf(' \tindek kebulatan        = %13.4f\n',ik);
fprintf(' \tcompacnest             = %13.4f\n',co);


% Nilai Minimal
bwareamin       =    143256.0000;
bwareaperimin   =    1430.5000;
ikmin           =    0.0628;
cmin            =    1.0612;


% Nilai Maksimal
bwareamax       =    915024.2500;
bwareaperimax   =    13268.7500;
ikmax           =    0.9424;
cmax            =    15.9213;


% ----------------------------------------------------------------
-
% Perhitungan normalisasi
barea = ((bwareabiner - bwareamin)/(bwareamax - bwareamin));
bperi= ((bwareaperi - bwareaperimin)/(bwareaperimax -
bwareaperimin));
ik = ((ik - ikmin)/(ikmax - ikmin));
comp= ((co - cmin)/(cmax - cmin));


fprintf(' \tSesudah di Normalisasi       =%13.4f\n');
fprintf(' \tbarea          =%13.4f\n',barea);
fprintf(' \tbperim          =%13.4f\n',bperi);
fprintf(' \tik          =%13.4f\n',ik);
fprintf(' \tcomp          =%13.4f\n',comp);

if bwareabiner > 915024.2500
    msgbox('bukan daun tanaman obat')
else if bwareaperi > 13268.7500
        bwareaperi < 1430.5000
    else if ik > 09424
        else co > 15.9213
        end
    end
end
set (handles.edit1,'string',barea);
set (handles.edit2,'string',bperi);
set (handles.edit3,'string',ik);
```

```matlab
set (handles.edit4,'string',comp);
%--------------------------------------------------------------
-

% --- Executes on button press in reset.
function reset_Callback(hObject, eventdata, handles)
% hObject    handle to reset (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
global net
skripsi = guidata(hObject);
set(skripsi.ProgramUtama_GUI,'CurrentAxes',skripsi.CitraAsli);
cla;
set(handles.edit1, 'string','');
set(handles.edit2, 'string','');
set(handles.edit3, 'string','');
set(handles.edit4, 'string','');
set(handles.edit18, 'string','');
set(skripsi.ProgramUtama_GUI,'CurrentAxes',skripsi.area);
cla;
set(skripsi.ProgramUtama_GUI,'CurrentAxes',skripsi.peri);
cla;




% --- Executes on button press in Close.
function Close_Callback(hObject, eventdata, handles)
% hObject    handle to Close (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
global net
respon  = Keluar('Title','Konfirmasi Keluar');

switch lower(respon)
    case 'tidak'
        %Tidak ada aksi
    case 'ya'
        %Menutup Jendela Aplikasi GUI
        delete(handles.ProgramUtama_GUI)
end




function edit1_Callback(hObject, eventdata, handles)
% hObject    handle to edit1 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Hints: get(hObject,'String') returns contents of edit1 as text
%        str2double(get(hObject,'String')) returns contents of
edit1 as a double


% --- Executes during object creation, after setting all
properties.
function edit1_CreateFcn(hObject, eventdata, handles)
```

```matlab
% hObject    handle to edit1 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end



function edit2_Callback(hObject, eventdata, handles)
% hObject    handle to edit2 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Hints: get(hObject,'String') returns contents of edit2 as text
%        str2double(get(hObject,'String')) returns contents of
edit2 as a double


% --- Executes during object creation, after setting all
properties.
function edit2_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit2 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end



function edit3_Callback(hObject, eventdata, handles)
% hObject    handle to edit3 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Hints: get(hObject,'String') returns contents of edit3 as text
%        str2double(get(hObject,'String')) returns contents of
edit3 as a double


% --- Executes during object creation, after setting all
properties.
function edit3_CreateFcn(hObject, eventdata, handles)
```

```matlab
% hObject    handle to edit3 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end




function edit4_Callback(hObject, eventdata, handles)
% hObject    handle to edit4 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Hints: get(hObject,'String') returns contents of edit4 as text
%        str2double(get(hObject,'String')) returns contents of
edit4 as a double




% --- Executes during object creation, after setting all
properties.
function edit4_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit4 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end




% --- Executes on button press in pushbutton7.
function pushbutton7_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton7 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
global net;

p=xlsread('data.xlsx','i');
T=xlsread('data.xlsx','t');

%bobot awal
w=xlsread('bobotawal.xlsx','v')

[m n]   = size (p);
```

```matlab
[m1 n1] = size (w);


%set parameter
alfa = 0.05;         %learning rate
DecAlfa = 0.1;       %Penurunan learning rate
MinAlfa = 0.001;     %Minimum learning rate
MaxEpoh = 100;       %maximum epoh

%mulai iterasi
epoh=0;
while(epoh<=MaxEpoh) & (alfa>=MinAlfa);
    epoh=epoh+1;
    for k=1:m1,
        for c=1:m1,
            D(c)=0;
            for i=1:n,
                D(c)=D(c)+(w(c,i)-p(k,i))^2;
            end;
            D(c)=sqrt(D(c));
        end;
        [Jmin idx] = min(D);
        if idx==T(k),
            w(idx,:)=w(idx,:)+alfa*(p(k,:)-w(idx,:));
        else
            w(idx,:)=w(idx,:)-alfa*(p(k,:)-w(idx,:));
        end;
    end;
    disp (strcat('Epoh Ke-',int2str(epoh),'; alfa =
',num2str(alfa)))
    alfa=alfa-DecAlfa*alfa;
end;
%pengujian dengan data pelatihan
w2 = w

save Bobotakhir w2;

msgbox('BOBOT BERHASIL DISIMPAN')

X=p;
H=[];
for k=1:size(X,1),
    for c=1:m1,
        D(c)=0;
        for i=1:n,
            D(c)=D(c)+(w(c,i)-X(k,i))^2;
        end;
        D(c)=sqrt(D(c));
    end;
    [Jmin idx] = min(D);
    H = [H; idx];
end;


% --- Executes on button press in pushbutton8.s
function pushbutton8_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton8 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
```

```matlab
% handles    structure with handles and user data (see GUIDATA)
global net;

load Bobotakhir;
[m1 n1] = size (w2);
S = str2num(get(handles.edit1,'String'));
R = str2num(get(handles.edit2,'String'));
C = str2num(get(handles.edit3,'String'));
F = str2num(get(handles.edit4,'String'));


A = [S R C F];
[m n] = size (A);


B=[];
J=[];
for k=1:size(A,1),
    for c=1:m1,
        D(c)=0;
        for i=1:n,
            D(c)=D(c)+(w2(c,i)-A(k,i))^2;
        end;
        D(c)=sqrt(D(c));
    end;
    [Jmin idx] = min(D);
    J = [J; D];
    B = [B; idx];
end;
I=[(1:size(A,1))'    A]
L=[(1:size(A,1))'  J  B]



jx=L(:,6)
if jx==1
    set(handles.edit18, 'string',num2str('Daun Singkong mempunyai
fungsi untuk mengobati anemia,reumatik,asam urat,flu,sakit
kepala,mencegah proses penuaan,penyakit tulang,kanker, dan
meningkatkan daya tahan tubuh '));
  elseif jx==2
    set(handles.edit18, 'string',num2str('Daun Randu mempunyai
fungsi untuk mengobati panas dalam,sakit mata,menghilangkan bekas
luka, menyuburkan rambut'));
elseif jx==3
    set(handles.edit18, 'string',num2str('Daun Sirih mempunyai
fungsi untuk mengobati sakit gigi,gusi
bengkak,keputihan,sariawan,demam berdarah,asma,radang
tenggorokan,mimisan,penyakit kulit, menghilangkan bau mulut dan
ketiak'));
elseif jx==4
    set(handles.edit18, 'string',num2str('Daun Melati mempunyai
fungsi untuk mengobati sakit kepala,sakit mata,demam,sesak nafas
dan mengobati bengkak akibat terkena sengatan lebah'));
end




% --- Executes on button press in pushbutton10.
function pushbutton10_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton10 (see GCBO)
% eventdata  reserved - to be defined in a future version of
```

```matlab
MATLAB
% handles    structure with handles and user data (see GUIDATA)
global net;
gg = xlswrite('data.xlsx','t');
%h = actxserver(Excel.Application);
%workbook = h.Workbooks.open(data);
%op=xlsread('data.xlsx','t');


% --- Executes on button press in pushbutton11.
function pushbutton11_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton11 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
global q;

x = xlsread('data.xlsx','i');

S = str2num(get(handles.edit1,'String'));
R = str2num(get(handles.edit2,'String'));
C = str2num(get(handles.edit3,'String'));
F = str2num(get(handles.edit4,'String'));

v = xlsread('data.xlsx','t');

pilih=handles.pilih
switch handles.pilih

    case 1

A = [S R C F];
z=[x;A];
xlswrite('data.xlsx',z,'i');

hh=[4];
m=[v;hh];
xlswrite('data.xlsx',m,'t');

msgbox('DATA BERHASIL DITAMBAHKAN')

    case 2

A = [S R C F];
z=[x;A];
xlswrite('data.xlsx',z,'i');

hh=[3];
m=[v;hh];
xlswrite('data.xlsx',m,'t');

msgbox('DATA BERHASIL DITAMBAHKAN')

    case 3

A = [S R C F];
z=[x;A];
xlswrite('data.xlsx',z,'i');
```

```matlab
hh=[2];
m=[v;hh];
xlswrite('data.xlsx',m,'t');

msgbox('DATA BERHASIL DITAMBAHKAN')


    case 4

A = [S R C F];
z=[x;A];
xlswrite('data.xlsx',z,'i');

hh=[1];
m=[v;hh];
xlswrite('data.xlsx',m,'t');

msgbox('DATA BERHASIL DITAMBAHKAN')


end

% --- Executes on button press in radiobutton1.
function radiobutton1_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton1 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.radiobutton2,'Value',0);
set(handles.radiobutton3,'Value',0);
set(handles.radiobutton4,'Value',0);
pilih = 1;
handles.pilih=pilih;
guidata(hObject,handles)
% Hint: get(hObject,'Value') returns toggle state of radiobutton1



% --- Executes on button press in radiobutton2.
function radiobutton2_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton2 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.radiobutton1,'Value',0);
set(handles.radiobutton3,'Value',0);
set(handles.radiobutton4,'Value',0);
pilih = 2;
handles.pilih=pilih;
guidata(hObject,handles)
% Hint: get(hObject,'Value') returns toggle state of radiobutton2



% --- Executes on button press in radiobutton3.
function radiobutton3_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton3 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.radiobutton1,'Value',0);
set(handles.radiobutton2,'Value',0);
```

```matlab
set(handles.radiobutton4,'Value',0);
pilih = 3;
handles.pilih=pilih;
guidata(hObject,handles)
% Hint: get(hObject,'Value') returns toggle state of radiobutton3



% --- Executes on button press in radiobutton4.
function radiobutton4_Callback(hObject, eventdata, handles)
% hObject    handle to radiobutton4 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
set(handles.radiobutton1,'Value',0);
set(handles.radiobutton2,'Value',0);
set(handles.radiobutton3,'Value',0);
pilih = 4;
handles.pilih=pilih;
guidata(hObject,handles)

% Hint: get(hObject,'Value') returns toggle state of radiobutton4




function edit9_Callback(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Hints: get(hObject,'String') returns contents of edit9 as text
%        str2double(get(hObject,'String')) returns contents of
edit9 as a double



% --- Executes during object creation, after setting all
properties.
function edit9_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit9 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end




function edit10_Callback(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
```

```matlab
% Hints: get(hObject,'String') returns contents of edit10 as text
%        str2double(get(hObject,'String')) returns contents of
edit10 as a double


% --- Executes during object creation, after setting all
properties.
function edit10_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit10 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end



function edit11_Callback(hObject, eventdata, handles)
% hObject    handle to edit11 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Hints: get(hObject,'String') returns contents of edit11 as text
%        str2double(get(hObject,'String')) returns contents of
edit11 as a double


% --- Executes during object creation, after setting all
properties.
function edit11_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit11 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end



function edit12_Callback(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
```

```matlab
% Hints: get(hObject,'String') returns contents of edit12 as text
%        str2double(get(hObject,'String')) returns contents of
edit12 as a double


% --- Executes during object creation, after setting all
properties.
function edit12_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit12 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end


% --- Executes on button press in pushbutton16.
function pushbutton16_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton16 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
global net;

load BobotAkhir;
msgbox('BOBOT UPDATE BERHASIL DIAMBIL')



function edit18_Callback(hObject, eventdata, handles)
% hObject    handle to edit18 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% Hints: get(hObject,'String') returns contents of edit18 as text
%        str2double(get(hObject,'String')) returns contents of
edit18 as a double


% --- Executes during object creation, after setting all
properties.
function edit18_CreateFcn(hObject, eventdata, handles)
% hObject    handle to edit18 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    empty - handles not created until after all
CreateFcns called

% Hint: edit controls usually have a white background on Windows.
%       See ISPC and COMPUTER.
```

```matlab
if ispc && isequal(get(hObject,'BackgroundColor'),
get(0,'defaultUicontrolBackgroundColor'))
    set(hObject,'BackgroundColor','white');
end
```