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| function varargout = mesingui(varargin)  % MESINGUI MATLAB code for mesingui.fig  % MESINGUI, by itself, creates a new MESINGUI or raises the existing  % singleton\*.  %  % H = MESINGUI returns the handle to a new MESINGUI or the handle to  % the existing singleton\*.  %  % MESINGUI('CALLBACK',hObject,eventData,handles,...) calls the local  % function named CALLBACK in MESINGUI.M with the given input arguments.  %  % MESINGUI('Property','Value',...) creates a new MESINGUI or raises the  % existing singleton\*. Starting from the left, property value pairs are  % applied to the GUI before mesingui\_OpeningFcn gets called. An  % unrecognized property name or invalid value makes property application  % stop. All inputs are passed to mesingui\_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 mesingui    % Last Modified by GUIDE v2.5 04-Oct-2013 22:13:32    % Begin initialization code - DO NOT EDIT  gui\_Singleton = 1;  gui\_State = struct('gui\_Name', mfilename, ...  'gui\_Singleton', gui\_Singleton, ...  'gui\_OpeningFcn', @mesingui\_OpeningFcn, ...  'gui\_OutputFcn', @mesingui\_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      % --- Executes just before mesingui is made visible.  function mesingui\_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 mesingui (see VARARGIN)    % Choose default command line output for mesingui  handles.output = hObject;    % Update handles structure  guidata(hObject, handles);  movegui(hObject, 'center');    % UIWAIT makes mesingui wait for user response (see UIRESUME)  % uiwait(handles.figure1);      % --- Outputs from this function are returned to the command line.  function varargout = mesingui\_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 slider movement.  function slider2\_Callback(hObject, eventdata, handles)  % hObject handle to slider2 (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,'Value') returns position of slider  % get(hObject,'Min') and get(hObject,'Max') to determine range of slider  slider\_Nilai = get(hObject,'Value');  set(handles.edit2, 'string', strcat(num2str(slider\_Nilai),' \*C'));    if slider\_Nilai <= 60  Nilai = 'buruk';  elseif slider\_suhu > 60 && slider\_suhu <= 70  Nilai = 'cukup';  elseif slider\_suhu > 70 && slider\_suhu <= 100  Nilai = baik';  end    set(handles.text14, 'string', Nilai);      slider\_Dosen = get(handles.slider3,'Value');    input = [slider\_Nilai slider\_dosen];  fis = readfis('Penilaian');  out = evalfis(input,fis);    if out <= 60  kec\_Penilaian = 'Buruk';  elseif out > 60 && out <= 70  kec\_Penilaian = 'cukup';  else  kec\_penilaian = 'bagus';  end    set(handles.edit4,'string',strcat(num2str(out),' m/s'));  set(handles.text16, 'string', kec\_penilaian);    % --- Executes during object creation, after setting all properties.  function slider2\_CreateFcn(hObject, eventdata, handles)  % hObject handle to slider2 (see GCBO)  % eventdata reserved - to be defined in a future version of MATLAB  % handles empty - handles not created until after all CreateFcns called    % Hint: slider controls usually have a light gray background.  if isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))  set(hObject,'BackgroundColor',[.9 .9 .9]);  end      % --- Executes on slider movement.  function slider3\_Callback(hObject, eventdata, handles)  % hObject handle to slider3 (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,'Value') returns position of slider  % get(hObject,'Min') and get(hObject,'Max') to determine range of slider  slider\_dosen (Object,'Value');  set(handles.edit3, 'string', strcat(num2str(slider\_penilaian),' Cd'));    if slider\_dosen <= 60  cahaya = 'buruk';  elseif slider\_dosen > 60 && slider\_dosen <= 70  cahaya = 'cukup';  else  cahaya = 'baik';  end    set(handles.text15, 'string', dosen);    slider\_dosen = get(handles.slider2,'Value');    input = [slider\_nilai slider\_penilaian];  fis = readfis('dosen');  out = evalfis(input,fis);    if out <= 60  kec\_penilaian = 'buruk';  elseif out > 60 && out <= 70  kec\_penilaian = 'cukup';  else  kec\_penilaian = 'baik';  end    set(handles.edit4,'string',strcat(num2str(out),' m/s'));  set(handles.text16, 'string', kec\_penilaian);    % --- Executes during object creation, after setting all properties.  function slider3\_CreateFcn(hObject, eventdata, handles)  % hObject handle to slider3 (see GCBO)  % eventdata reserved - to be defined in a future version of MATLAB  % handles empty - handles not created until after all CreateFcns called    % Hint: slider controls usually have a light gray background.  if isequal(get(hObject,'BackgroundColor'), get(0,'defaultUicontrolBackgroundColor'))  set(hObject,'BackgroundColor',[.9 .9 .9]);  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)  % 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 |