LAMPIRAN A

PROGRAM MATLAB

Program GUI Pelatihan

```matlab
function varargout = guiLatih(varargin)
% GUILATIH M-file for guiLatih.fig
%      GUILATIH, by itself, creates a new GUILATIH or raises the
existing
%      singleton*.
%
%      H = GUILATIH returns the handle to a new GUILATIH or the
handle to
%      the existing singleton*.
%
%      GUILATIH('CALLBACK',hObject,eventData,handles,...) calls
the local
%      function named CALLBACK in GUILATIH.M with the given input
arguments.
%
%      GUILATIH('Property','Value',...) creates a new GUILATIH or
raises the
%      existing singleton*.  Starting from the left, property
value pairs are
%      applied to the GUI before guiLatih_OpeningFunction gets
called.  An
%      unrecognized property name or invalid value makes property
application
%      stop.  All inputs are passed to guiLatih_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 guiLatih

% Last Modified by GUIDE v2.5 07-Mar-2012 00:17:46

% Begin initialization code - DO NOT EDIT
gui_Singleton = 1;
gui_State = struct('gui_Name',       mfilename, ...
                   'gui_Singleton',  gui_Singleton, ...
                   'gui_OpeningFcn', @guiLatih_OpeningFcn, ...
                   'gui_OutputFcn',  @guiLatih_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
```

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```matlab
% --- Executes just before guiLatih is made visible.
function guiLatih_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 guiLatih (see VARARGIN)

% Choose default command line output for guiLatih
handles.output = hObject;

% Update handles structure
guidata(hObject, handles);

% UIWAIT makes guiLatih wait for user response (see UIRESUME)
% uiwait(handles.figure1);


% --- Outputs from this function are returned to the command line.
function varargout = guiLatih_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 pushbutton1.
function pushbutton1_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton1 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
load datatd x;

% --- Executes on button press in pushbutton2.
function pushbutton2_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton2 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)
% baca gambar

load datatd x;
```

```
dj=
[0 0 0 0 0 0 0 0 0 1;0 0 0 0 0 0 0 0 0 1;
 0 0 0 0 0 0 0 0 0 1;0 0 0 0 0 0 0 0 0 1;

 0 0 0 0 0 0 0 0 1 0;0 0 0 0 0 0 0 0 1 0;
 0 0 0 0 0 0 0 0 1 0;0 0 0 0 0 0 0 0 1 0;

 0 0 0 0 0 0 0 1 0 0;0 0 0 0 0 0 0 1 0 0;
 0 0 0 0 0 0 0 1 0 0;0 0 0 0 0 0 0 1 0 0;

 0 0 0 0 0 0 1 0 0 0;0 0 0 0 0 0 1 0 0 0;
 0 0 0 0 0 0 1 0 0 0;0 0 0 0 0 0 1 0 0 0;

 0 0 0 0 0 1 0 0 0 0;0 0 0 0 0 1 0 0 0 0;
 0 0 0 0 0 1 0 0 0 0;0 0 0 0 0 1 0 0 0 0;

 0 0 0 0 1 0 0 0 0 0;0 0 0 0 1 0 0 0 0 0;
 0 0 0 0 1 0 0 0 0 0;0 0 0 0 1 0 0 0 0 0;

 0 0 0 1 0 0 0 0 0 0;0 0 0 1 0 0 0 0 0 0;
 0 0 0 1 0 0 0 0 0 0;0 0 0 1 0 0 0 0 0 0;

 0 0 1 0 0 0 0 0 0 0;0 0 1 0 0 0 0 0 0 0;
 0 0 1 0 0 0 0 0 0 0;0 0 1 0 0 0 0 0 0 0;

 0 1 0 0 0 0 0 0 0 0;0 1 0 0 0 0 0 0 0 0;
 0 1 0 0 0 0 0 0 0 0;0 1 0 0 0 0 0 0 0 0;

 1 0 0 0 0 0 0 0 0 0;1 0 0 0 0 0 0 0 0 0;
 1 0 0 0 0 0 0 0 0 0;1 0 0 0 0 0 0 0 0 0];
[jmlhdata inputlayer]=size(x);
[np no]=size(dj);
hiddenlayer=14;
outputlayer=10;
alpha=0.02;
% -------------------------------------------------------------------
% Inisialisasi Bobot random
% -------------------------------------------------------------------
wki=0.5-rand(hiddenlayer,inputlayer);
Ok=0.5-rand(hiddenlayer,1);
wjk=0.5-rand(outputlayer,hiddenlayer);
Oj=0.5-rand(outputlayer,1);
% -------------------------------------------------------------------
con=1;
epoch=0;
% -------------------------------------------------------------------
% Original Backpropagation
% -------------------------------------------------------------------
% propagasi maju

while con
    for In=1:jmlhdata
 % -------------------------------------------------------------------
 % Feed Forward Hidden layer
 % -------------------------------------------------------------------
        for k1=1:hiddenlayer;
            netk(In,k1)=Ok(k1);
```

```matlab
        for i1=1:inputlayer
            netk(In,k1)=netk(In,k1)+x(In,i1)*wki(k1,i1);
        end
        hk(In,k1)=(1-exp(-1*netk(In,k1)))/(1+exp(-1*netk(In,k1)));
    end
% ----------------------------------------------------------------
% Feed Forward Output layer
% ----------------------------------------------------------------
    for j2=1:outputlayer;
        netj(In,j2)=Oj(j2);
        for k2=1:hiddenlayer
            netj(In,j2)=netj(In,j2)+ hk(In,k2)*wjk(j2,k2);
        end
        yj(In,j2)=1/(1+exp(-netj(In,j2)));
    end
% ----------------------------------------------------------------
% Faktor error pada Output layer
% ----------------------------------------------------------------
    for j3=1:outputlayer;
        errorj(In,j3)=(dj(In,j3)-yj(In,j3))*(yj(In,j3)*(1-(yj(In,j3))));
        yaj(In,j3)=(yj(In,j3)-dj(In,j3))*(yj(In,j3)*(1-(yj(In,j3))));
    end
% ----------------------------------------------------------------
% Suku peubah bobot Wjk
% ----------------------------------------------------------------
    for j4=1:outputlayer
        for k4=1:hiddenlayer
            delwjk(j4,k4)=alpha*errorj(In,j4)*hk(In,k4);
        end
        delOj(j4,1)=alpha*errorj(In,j4);
    end
% ----------------------------------------------------------------
% Faktor error pada Hidden layer
% ----------------------------------------------------------------
    for k5=1:hiddenlayer;
        errk(In,k5)=0;
        for j5=1:outputlayer
            errk(In,k5)=errk(In,k5)+ errorj(In,j5)*wjk(j5,k5);
        end
        errork(In,k5)=errk(In,k5)*(((1+hk(In,k5))*(1-hk(In,k5)))/2);
    end
% ----------------------------------------------------------------
% Suku peubah bobot Wki
% ----------------------------------------------------------------
    for k6=1:hiddenlayer
        for i6=1:inputlayer
            delwki(k6,i6)=alpha*errork(In,k6)*x(In,i6);
        end
        delOk(k6,1)=alpha*errork(In,k6);
    end
% ----------------------------------------------------------------
% Update Bobot
% ----------------------------------------------------------------
    wjk=wjk+delwjk;
```

```
        Oj=Oj+delOj;
        wki=wki+delwki;
        Ok=Ok+delOk;


% -----------------------------------------------------------------
% Appended Network
% -----------------------------------------------------------------
 % -----------------------------------------------------------------
 % Feed Forward Hidden layer
 % -----------------------------------------------------------------
        for k7=1:hiddenlayer;
            hakk(In,k7)=0;
            for j7=1:outputlayer
                hakk(In,k7)=hakk(In,k7)+ yaj(In,j7)*wjk(j7,k7);
            end
                hak(In,k7)=hakk(In,k7)*(((1+hk(In,k7)*(1-
                hk(In,k7))))/2);
        end
   % ----------------------------------------------------------
   % Feed Forward Input layer
   % ----------------------------------------------------------
        for i8=1:inputlayer;
            xai(In,i8)=0;
            for k8=1:hiddenlayer
                xai(In,i8)=xai(In,i8)+ hak(In,k8)*wki(k8,i8);
            end
        end
   % ----------------------------------------------------------
   % Suku peubah bobot Wki
   % ----------------------------------------------------------
         for k9=1:hiddenlayer
            for i9=1:inputlayer
                delwki(k9,i9)= -alpha*xai(In,i9)*hak(In,k9);
            end
         end
   % ----------------------------------------------------------
   % Suku peubah bobot Wjk
   % ----------------------------------------------------------
        for k10=1:hiddenlayer
            delk(In,k10)=0;
            for i10=1:inputlayer
                delk(In,k10)=delk(In,k10)+
xai(In,i10)*wki(k10,i10);
            end
        end

        for j11=1:outputlayer
            for k11=1:hiddenlayer
                delwjk(j11,k11)= alpha*delk(In,k11)*
(((((1+hk(In,k11)))*(1-hk(In,k11))))/2)* yaj(In,j11);
            end
        end
   % ----------------------------------------------------------
   % Update Bobot
   % ----------------------------------------------------------
        wjk=wjk+delwjk;
        wki=wki+delwki;
```

```matlab
    end

% --------------------------------------------------------------
% Stop kondisi
% --------------------------------------------------------------
            for j12=1:outputlayer
                e1(In,j12)=((yj(In,j12)-dj(In,j12))^2);
            end

    e=sqrt(e1/(jmlhdata*outputlayer));

    % pembatasan pelatihan
    if  e<0.001
        con=0;
    end
    epoch=epoch+1;
    if    epoch==100000
        con=0;
    end
    xl(epoch)=epoch;
    yl(epoch)=e;
end

% close(wb)
save bbt7 wjk wki Oj Ok;
set(handles.text5,'String',e);
set(handles.text4,'String',epoch);
axes(handles.axes1);
plot(xl,yl);
grid on;
xlabel('Epoch');
ylabel('Error');
title('Grafik Pelatihan DBP');




% --- Executes on button press in pushbutton3.
function pushbutton3_Callback(hObject, eventdata, handles)
% hObject      handle to pushbutton3 (see GCBO)
% eventdata    reserved - to be defined in a future version of
MATLAB
% handles      structure with handles and user data (see GUIDATA)

close
```

Program GUI Pengujian

```
function varargout = guiUji(varargin)
% GUIUJI M-file for guiUji.fig
%      GUIUJI, by itself, creates a new GUIUJI or raises the
existing
%      singleton*.
%
%      H = GUIUJI returns the handle to a new GUIUJI or the handle
to
%      the existing singleton*.
%
%      GUIUJI('CALLBACK',hObject,eventData,handles,...) calls the
local
%      function named CALLBACK in GUIUJI.M with the given input
arguments.
%
%      GUIUJI('Property','Value',...) creates a new GUIUJI or
raises the
%      existing singleton*.  Starting from the left, property
value pairs are
%      applied to the GUI before guiUji_OpeningFunction gets
called.  An
%      unrecognized property name or invalid value makes property
application
%      stop.  All inputs are passed to guiUji_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 guiUji

% Last Modified by GUIDE v2.5 17-Apr-2012 12:43:54

% Begin initialization code - DO NOT EDIT
gui_Singleton = 1;
gui_State = struct('gui_Name',       mfilename, ...
                   'gui_Singleton',  gui_Singleton, ...
                   'gui_OpeningFcn', @guiUji_OpeningFcn, ...
                   'gui_OutputFcn',  @guiUji_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
% --- Executes just before guiUji is made visible.
function guiUji_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 guiUji (see VARARGIN)

% Choose default command line output for guiUji
handles.output = hObject;

% Update handles structure
guidata(hObject, handles);

% UIWAIT makes guiUji wait for user response (see UIRESUME)
% uiwait(handles.figure1);


% --- Outputs from this function are returned to the command line.
function varargout = guiUji_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 pushbutton1.
function pushbutton1_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton1 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

set(handles.text13,'String',' ');
[nama_file1, nama_path1]=uigetfile('*.bmp','Load Data');
if ~isequal(nama_file1, 0)
    handles.data1=imread(fullfile(nama_path1,nama_file1));
    guidata(hObject,handles);
    handles.current_data=handles.data1;
    axes(handles.axes1);
    imshow(handles.current_data);
    title('Citra Uji');
else
    return;
end

set(handles.text5,'String',nama_file1);
set(handles.text6,'String',size(handles.data1,1));
```

```matlab
set(handles.text7,'String',size(handles.data1,2));


% --- Executes on button press in pushbutton2.
function pushbutton2_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton2 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

% -----------------------------------------------------------------
% Preprocessing Image
% -----------------------------------------------------------------
gambar1=handles.data1;
gambar1=rgb2gray(gambar1);
BW1=im2bw(gambar1,graythresh(gambar1));
gambar1=discourser(~BW1);
resize1=imresize(gambar1, [100 100]);
citra1=bwmorph(resize1,'thin',inf);
[baris11 kolom11]=size(citra1);


% -----------------------------------------------------------------
% Ekstraksi Fitur (moment invariant)
% -----------------------------------------------------------------
phi17 = invmoments(citra1);
x1=[phi17];
save dataciri x1;


% --- Executes on button press in pushbutton3.
function pushbutton3_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton3 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

load dataciri x1;
load bbt7 wjk wki Oj Ok;
[jmlhdata inputlayer]=size(x);
hiddenlayer=14;
outputlayer=10;

 % -----------------------------------------------------------------
 % Feed Forward Hidden layer
 % -----------------------------------------------------------------
    for In=1:jmlhdata
        for k1=1:hiddenlayer;
            netk(In,k1)=Ok(k1);
            for i1=1:inputlayer
                netk(In,k1)=netk(In,k1)+x(In,i1)*wki(k1,i1);
            end
            hk(In,k1)=(1-exp(-1*netk(In,k1)))
        end
 % -----------------------------------------------------------------
 % Feed Forward Output layer
 % -----------------------------------------------------------------
        for j2=1:outputlayer;
            netj(In,j2)=Oj(j2);
            for k2=1:hiddenlayer
```

```matlab
                netj(In,j2)=netj(In,j2)+ hk(In,k2)*wjk(j2,k2);
            end
            yj(In,j2)=1/(1+exp(-netj(In,j2)));
        end
    end
 y=round(yj);

    if y==[0 0 0 0 0 0 0 0 0 1]
        output='Ella';
    elseif y==[0 0 0 0 0 0 0 0 1 0]
        output='Febri';
    elseif y==[0 0 0 0 0 0 0 1 0 0]
        output='Febrian';
    elseif y==[0 0 0 0 0 0 1 0 0 0]
        output='Ferdinata';
    elseif y==[0 0 0 0 0 1 0 0 0 0]
        output='Hotma';
    elseif y==[0 0 0 0 1 0 0 0 0 0]
        output='Lusi' ;
    elseif y==[0 0 0 1 0 0 0 0 0 0]
        output='Moly'   ;
    elseif y==[0 0 1 0 0 0 0 0 0 0]
        output='Ryan';
    elseif y==[0 1 0 0 0 0 0 0 0 0]
        output='Torang ';
    elseif y==[1 0 0 0 0 0 0 0 0 0]
        output='Yanimi';
    else
        output='tidak ada';
    end

set(handles.text13,'String',output);
% set(handles.text16,'String',e);
% set(handles.text12,'String',epoch);
% axes(handles.axes1);
% plot(xl,yl);
% grid on;
% xlabel('Epoch');
% ylabel('error');

% --- Executes on button press in pushbutton4.
function pushbutton4_Callback(hObject, eventdata, handles)
% hObject    handle to pushbutton4 (see GCBO)
% eventdata  reserved - to be defined in a future version of
MATLAB
% handles    structure with handles and user data (see GUIDATA)

close

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)
% 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
```

LAMPIRAN B
HASIL PENGUJIAN CITRA
TANDA TANGAN

Tabel B.1 Hasil Pengujian 1

No	Nama Citra	Keluaran										Dikenali Sebagai	Identifikasi
		Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10		
1	Ella001	0	0	0	0	0	0.0088	0.0172	0	0	0.9898	Ella	Benar
	Ella002	0.0033	0.0001	0	0	0.0039	0.0009	0	0	0.0022	0.9998	Ella	Benar
	Ella004	0	0.0025	0	0	0.0004	0.0003	0	0	0	0.9863	Ella	Benar
	Ella005	0	0	0	0.0001	0	0.0032	0	0	0	0.9996	Ella	Benar
2	Febri001	0.0164	0.0008	0	0	0.0002	0.0001	0	0.0001	0.999	0.0001	Febri	Benar
	Febri002	0.0005	0	0	0	0	0.0003	0.0264	0	0.9737	0	Febri	Benar
	Febri004	0.0012	0.0016	0	0	0	0.0001	0.0002	0	0.9884	0.0002	Febri	Benar
	Febri005	0.0014	0.0024	0	0	0.0003	0	0	0.0004	1	0	Febri	Benar
3	Febrian001	0	0.0054	0	0	0	0	0	0.9951	0	0	Febrian	Benar
	Febrian002	0	0.0088	0	0	0	0.0046	0.0105	0.9944	0	0.0022	Febrian	Benar
	Febrian004	0	0.0033	0	0	0	0.0001	0.0036	0.9961	0	0	Febrian	Benar
	Febrian005	0	0.003	0	0	0	0.0001	0.001	0.9965	0	0.0002	Febrian	Benar
4	Ferdinata001	0	0	0	0	0	0.0007	0.9831	0	0.0164	0.0004	Ferdinata	Benar
	Ferdinata002	0.0013	0	0	0	0	0.0013	0.9809	0	0.0003	0.0031	Ferdinata	Benar
	Ferdinata004	0	0.0001	0	0.0001	0	0.0014	0.9989	0	0.0002	0.0045	Ferdinata	Benar
	Ferdinata005	0	0.0127	0	0	0	0.0003	0.9786	0	0.0119	0.0009	Ferdinata	Benar
5	Hotma001	0	0.0001	0	0.001	0	0.9963	0	0	0.0027	0.0003	Hotma	Benar
	Hotma002	0	0	0.0003	0.0003	0	0.9996	0	0.0011	0.0069	0	Hotma	Benar
	Hotma004	0	0.0003	0	0.0001	0	0.9913	0	0	0	0.0094	Hotma	Benar
	Hotma005	0	0	0	0.0011	0	0.995	0	0	0.0055	0	Hotma	Benar
6	Lusi001	0	0.0011	0.0096	0.0004	0.9848	0.0001	0	0.0001	0.0102	0	Lusi	Benar
	Lusi002	0	0.0001	0.0007	0.0069	0.995	0	0	0.0008	0.0109	0.0002	Lusi	Benar
	Lusi004	0	0.0002	0	0	0.9992	0.0001	0	0.0005	0.0003	0.0085	Lusi	Benar
	Lusi005	0	0.001	0.0046	0.0049	0.9933	0	0	0.0009	0.0006	0.0012	Lusi	Benar
7	Moly001	0	0	0.0007	0.9983	0.0024	0	0.0044	0	0	0.0009	Moly	Benar
	Moly002	0	0	0.0071	0.9959	0.0025	0.0001	0.0006	0	0	0.0003	Moly	Benar
	Moly004	0	0	0.0001	0.9981	0.0077	0	0.0079	0.0001	0	0.0029	Moly	Benar
	Moly005	0	0	0.0093	0.9859	0.0093	0	0.0002	0	0	0.0002	Moly	Benar

No	Nama Citra	Keluaran										Dikenali Sebagai	Identifikasi
		Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10		
8	Ryan001	0	0.0001	0.9995	0.0056	0.0005	0.0009	0	0	0.0001	0	Ryan	Benar
	Ryan002	0	0.0004	0.9982	0.0116	0.0103	0.0005	0	0	0.0001	0	Ryan	Benar
	Ryan004	0.0144	0.0026	0.9767	0.0003	0.0082	0.0006	0	0	0	0.0003	Ryan	Benar
	Ryan005	0.0154	0	0.9773	0.0004	0	0.0013	0.0039	0	0.0012	0	Ryan	Benar
9	Torang001	0	0.9898	0	0	0.0021	0	0	0.001	0.0004	0.0089	Torang	Benar
	Torang002	0	0.9952	0	0	0	0	0.0001	0.0031	0.0001	0.0036	Torang	Benar
	Torang004	0	0.9942	0	0	0	0	0.0002	0.004	0	0.0048	Torang	Benar
	Torang005	0.0026	0.988	0	0	0	0	0	0.0065	0.0054	0.0032	Torang	Benar
10	Yanimi001	0.9824	0.0009	0.0001	0	0	0.0003	0	0	0.0091	0.0019	Yanimi	Benar
	Yanimi002	0.9862	0.008	0.0075	0	0	0.0003	0	0	0.0004	0.0025	Yanimi	Benar
	Yanimi004	0.9971	0	0	0	0	0.0007	0.0086	0	0.0043	0.005	Yanimi	Benar
	Yanimi005	0.9901	0.0001	0.0286	0	0	0.0005	0.0002	0	0.0075	0.0002	Yanimi	Benar

Tabel B.2 Hasil Pengujian 2

No	Nama Citra	Keluaran										Dikenali Sebagai	Identifikasi
		Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10		
1	Ella003	0	0	0	0	0	0.0017	0.0019	0	0	0.9994	Ella	Benar
	Ella006	0.0003	0	0	0	0	0.0012	0	0	0	0.9893	Ella	Benar
2	Febri003	0.0005	0.0001	0.0001	0	0	0.0003	0.0002	0	0.9106	0.0002	Febri	Benar
	Febri006	0.0666	0.0097	0	0	0.0471	0	0	0.0095	1	0	Febri	Benar
3	Febrian003	0	0.0245	0	0	0	0	0	0.9802	0	0	Febrian	Benar
	Febrian006	0	0.0416	0	0	0	0.0002	0.0005	0.9688	0	0.0103	Febrian	Benar
4	Ferdinata003	0	0.0001	0	0.0001	0	0.0006	0.9003	0	0.0113	0.0002	Ferdinata	Benar
	Ferdinata006	0	0	0.0041	0.0044	0	0.0038	0.9999	0	0.0001	0.0004	Ferdinata	Benar
5	Hotma003	0	0	0	0.0024	0	0.9924	0.0099	0	0.0004	0.946	Tidak ada	Salah
	Hotma006	0	0	0	0.008	0	0.9968	0.0001	0	0.9186	0	Tidak ada	Salah
6	Lusi003	0	0.0006	0	0	0.9999	0	0	0.0023	0.0368	0.0004	Lusi	Benar
	Lusi006	0	0.0016	0	0	1	0	0	0.0071	0.0229	0.0008	Lusi	Benar
7	Moly003	0	0	0.0001	0.9987	0.004	0	0.0088	0.0001	0	0.0022	Moly	Benar
	Moly006	0	0	0.0014	0.9978	0.0025	0	0.0024	0	0	0.0006	Moly	Benar
8	Ryan003	0.9523	0.0001	0.8618	0	0	0.0009	0	0	0.0002	0.0002	Ryan	Salah
	Ryan006	0	0	0.4544	0.0003	0	0.0011	0.0002	0	0.0682	0	Ryan	Salah
9	Torang003	0	0.9988	0	0	0	0	0.0159	0.0005	0.0001	0.0358	Torang	Benar
	Torang006	0	0.9979	0	0	0	0.0001	0.0032	0.0015	0	0.0124	Torang	Benar
10	Yanimi003	0.5213	0.0001	0	0	0	0.0004	0.0002	0	0.0211	0.0029	Yanimi	Benar
	Yanimi006	0.9233	0.0029	0.0001	0	0.0008	0.0002	0	0.0001	0.2219	0.0002	Yanimi	Benar

Tabel B.3 Hasil Pengujian 3

No	Nama Citra	Keluaran										Dikenali Sebagai	Identifikasi
		Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10		
1	Alex001	0.0028	0.0001	0.9997	0.0023	0	0.0012	0	0	0	0	Ryan	Salah
2	Alex002	0	0	0.0304	0.0035	0	0.003	0.9998	0	0.0003	0.0001	Ferdinata	Salah
3	Alex003	0.0002	0.0012	0.1791	0	0.8119	0.0002	0	0.0001	0.1106	0	Lusi	Salah
4	Alex004	0.0005	0.003	0.8108	0.0002	0.0054	0.0004	0	0	0.0002	0.0001	Ryan	Salah
5	Alex005	0.0023	0.0727	0	0	0.0002	0	0	0.0017	1	0	Febri	Salah
6	Beny001	0	0.0001	0.0071	0.2243	0.8072	0	0	0.0002	0.0005	0.0003	Lusi	Salah
7	Beny002	0	0.0003	0.0015	0.0988	0.9091	0	0	0.0003	0.0018	0.0005	Lusi	Salah
8	Beny003	0	0.0001	0.0031	0.1811	0.871	0	0	0.0002	0.0008	0.0002	Lusi	Salah
9	Beny004	0	0.0001	0.0003	0.5278	0.6513	0	0	0.0003	0.0005	0.0005	Lusi	Salah
10	Beny005	0	0.0014	0.0168	0.0307	0.8243	0	0	0.0001	0.0011	0.0003	Lusi	Salah
11	Febru001	0.0085	0.0045	0.4062	0	0.0031	0.0004	0	0	0.0003	0.0002	Tidak ada	Benar
12	Febru002	0.9897	0.0001	0	0	0	0.0008	0.0165	0	0.0005	0.0587	Yanimi	Salah
13	Febru003	1	0.088	0	0	0	0.0002	0.0001	0.0003	0.0073	0.0557	Yanimi	Salah
14	Febru004	0.9513	0.8879	0	0	0.0261	0	0	0.0036	0.9685	0.168	Tidak ada	Benar
15	Febru005	0.973	0.0115	0	0	0	0.0002	0.3705	0	0.0062	0.052	Yanimi	Salah