

LAMPIRAN

FORM LOGIN

```
unit Ulogin;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, Menus, StdCtrls, Buttons, ExtCtrls;
type
  TForm1 = class(TForm)
    MainMenu1: TMainMenu;
    LOGIN1: TMenuItem;
    REGISTRATION1: TMenuItem;
    EXIT1: TMenuItem;
    Label3: TLabel;
    Label4: TLabel;
    Edit1: TEdit;
    Edit2: TEdit;
    Label1: TLabel;
    BitBtn1: TBitBtn;
    procedure REGISTRATION1Click(Sender: TObject);
    procedure EXIT1Click(Sender: TObject);
    procedure BitBtn1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  Form1: TForm1;
implementation
uses UModul, URegistration, Home, FotoDepan;
{$R *.dfm}
procedure TForm1.REGISTRATION1Click(Sender: TObject);
begin
  frmRegistration.Show;
end;
procedure TForm1.EXIT1Click(Sender: TObject);
begin
  close; end;
procedure TForm1.BitBtn1Click(Sender: TObject);
begin
  begin {bandingkan input user dengan data yang terdapat pada database}
  with dm.qdata do begin
    Close;
    SQL.Clear;
    SQL.Text:='select * from INPUT where pass='+quotedstr(edit2.Text);
    Open;
  end;{Jika id dan pass ditemukan atau tidak}
  if dm.qdata.RecordCount = 0 then //jika lenih dari 0 berarti username ditemukan
  showmessage('Id atau Password salah') //jika tidak ditemukan
  else begin{jika username ditemukan}
    if dm.qdata.FieldName('pass').AsString <> edit2.Text
    then frmhome.Show // showmessage('Id atau Password benar')
    else
    close;
  end; end; end; end
```

FORM REGISTER

```
unit URegistration;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, Buttons;
type
  TfrmRegistration = class(TForm)
    Label1: TLabel;
    BitBtn1: TBitBtn;
    BitBtn2: TBitBtn;
    Label3: TLabel;
    Label4: TLabel;
    Label2: TLabel;
    Label5: TLabel;
    Label6: TLabel;
    id: TEdit;
    password: TEdit;
    nama: TEdit;
    alamat: TEdit;
    hp: TEdit;
    procedure BitBtn1Click(Sender: TObject);

  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  frmRegistration: TfrmRegistration;
implementation
uses UModul;
{$R *.dfm}
procedure TfrmRegistration.BitBtn1Click(Sender: TObject);
begin
  With dm.qData Do
    Begin
    Close;
    Sql.Clear;
    Sql.Add('Insert Into INPUT(ID, NAMA, PASS, ALAMAT, HP)'+
      'Values(:id, :nm, :ps, :al, :hp)');
    Prepare;
    ParamByName('id').AsString := id.Text;
    ParamByName('nm').AsString := nama.Text;
    ParamByName('ps').AsString := password.Text;
    ParamByName('al').AsString := alamat.Text;
    ParamByName('hp').AsString := hp.Text;
    ExecSql;
  end;
  dm.trDaftar.Commit;
  id.Clear;
  nama.Text := '';
  password.Text := '';
  alamat.Text := '';
  hp.Text := '';
end;
```

```
id.SetFocus;  
With dm.qProses Do  
  Begin  
    Close;  
    Sql.Clear;  
    Sql.Add('Select ID, NAMA, PASS, ALAMAT, HP From INPUT');  
    Open;  
  end;  
end;  
end.
```

FORM HOME

```
unit Home;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, jpeg, ExtCtrls, Menus;
type
  Tfrmhome = class(TForm)
    MainMenu1: TMainMenu;
    Register1: TMenuItem;
    Foto1: TMenuItem;
    Depan1: TMenuItem;
    Kanan1: TMenuItem;
    Kiri1: TMenuItem;
    Belakang1: TMenuItem;
    History1: TMenuItem;
    Exit1: TMenuItem;
    Image1: TImage;
    Image2: TImage;
    PilihDepan1: TMenuItem;
    procedure Exit1Click(Sender: TObject);
    procedure Register1Click(Sender: TObject);
    procedure Depan1Click(Sender: TObject);
    procedure Kanan1Click(Sender: TObject);
    procedure History1Click(Sender: TObject);
    procedure Kiri1Click(Sender: TObject);
    procedure Belakang1Click(Sender: TObject);
    procedure PilihDepan1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  frmhome: Tfrmhome;
implementation
uses URegistration, FotoDepan, FotoKanan, history, FotoKiri, FotoBelakang,
  PilihDepan;
{$R *.dfm}
procedure Tfrmhome.Exit1Click(Sender: TObject);
begin
  Close;
end;
procedure Tfrmhome.Register1Click(Sender: TObject);
begin
  frmRegistration.Show;
end;
procedure Tfrmhome.Depan1Click(Sender: TObject);
begin
  frmFotoDepan.Show;
end;
procedure Tfrmhome.Kanan1Click(Sender: TObject);
begin
```

```
FrmFotoKanan.Show;
end;
procedure Tfrmhome.History1Click(Sender: TObject);
begin
FrmHistory.Show;
end;
procedure Tfrmhome.Kiri1Click(Sender: TObject);
begin
FrmFotoKiri.Show;
end;
procedure Tfrmhome.Belakang1Click(Sender: TObject);
begin
FrmFotoBelakang.Show;
end;
end.
```

FORM FOTO DEPAN

```
unit FotoDepan;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, DSPack, StdCtrls, ExtCtrls, DirectShow9, DsUtil;
type
  TfrmFotoDepan = class(TForm)
    Image1: TImage;
    BtnMulai: TButton;
    BtnFoto: TButton;
    ComboBox1: TComboBox;
    VideoWindow1: TVideoWindow;
    FilterGraph1: TFilterGraph;
    SampleGrabber1: TSampleGrabber;
    Filter1: TFilter;
    procedure BtnMulaiClick(Sender: TObject);
    procedure BtnFotoClick(Sender: TObject);
    procedure ComboBox1Click(Sender: TObject);
    procedure FormCloseQuery(Sender: TObject; var CanClose: Boolean);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  frmFotoDepan: TfrmFotoDepan;
  CapEnum: TSysDevEnum;
implementation
uses PilihDepan;
{$R *.dfm}
procedure TfrmFotoDepan.BtnMulaiClick(Sender: TObject);
var i: integer;
begin
  CapEnum:=TSysDevEnum.Create(CLSID_VideoInputDeviceCategory);
  For i:=0 to CapEnum.CountFilters-1 do
  begin
    combobox1.Items.Add(CapEnum.Filters[i].FriendlyName);
  end;
end;
procedure TfrmFotoDepan.BtnFotoClick(Sender: TObject);
begin
  samplegrabber1.GetBitmap(Image1.Picture.Bitmap);//samplegrabber1.GetBitmap(frmPilihDepan.
  Foto.Picture.Bitmap);
  Image1.Picture.SaveToFile('sementara.bmp');
  frmPilihDepan.Show;
end;
procedure TfrmFotoDepan.ComboBox1Click(Sender: TObject);
begin
  FilterGraph1.ClearGraph;
  FilterGraph1.Active := false;
  Filter1.BaseFilter.Moniker :=
  capenum.GetMoniker(combobox1.ItemIndex);
  FilterGraph1.Active := true;
```

```
with FilterGraph1 as ICaptureGraphBuilder2 do RenderStream(@PIN_CATEGORY_PREVIEW,  
nil, Filter1 as IBaseFilter, SampleGrabber1 as IBaseFilter, VideoWindow1 as IBaseFilter);  
FilterGraph1.Play;  
end;  
procedure TfrmFotoDepan.FormCloseQuery(Sender: TObject;  
  var CanClose: Boolean);  
begin  
  capenum.Free;  
  FilterGraph1.ClearGraph;  
  FilterGraph1.Active := false;  
end;  
end.
```


FORM FOTO KANAN

```
unit FotoKanan;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, DSPack, StdCtrls, ExtCtrls, DirectShow9, DsUtil;
type
  TFrmFotoKanan = class(TForm)
    Image1: TImage;
    BtnMulai: TButton;
    BtnFoto: TButton;
    ComboBox1: TComboBox;
    VideoWindow1: TVideoWindow;
    FilterGraph1: TFilterGraph;
    SampleGrabber1: TSampleGrabber;
    Filter1: TFilter;
    procedure BtnFotoClick(Sender: TObject);
    procedure ComboBox1Click(Sender: TObject);
    procedure FormCloseQuery(Sender: TObject; var CanClose: Boolean);
    procedure BtnMulaiClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  FrmFotoKanan: TFrmFotoKanan;
  CapEnum: TSysDevEnum;
implementation
uses PilihKanan;
{$R *.dfm}
procedure TFrmFotoKanan.BtnFotoClick(Sender: TObject);
begin
  samplegrabber1.GetBitmap(Image1.Picture.Bitmap);
  samplegrabber1.GetBitmap(frmPilihKanan.Foto.Picture.Bitmap);
  frmPilihKanan.Show;
end;

procedure TFrmFotoKanan.ComboBox1Click(Sender: TObject);
begin
  FilterGraph1.ClearGraph;
  FilterGraph1.Active := false;
  Filter1.BaseFilter.Moniker :=
  capenum.GetMoniker(combobox1.ItemIndex);
  FilterGraph1.Active := true;
  with FilterGraph1 as ICaptureGraphBuilder2 do RenderStream(@PIN_CATEGORY_PREVIEW,
  nil, Filter1 as IBaseFilter, SampleGrabber1 as IBaseFilter, VideoWindow1 as IBaseFilter);
  FilterGraph1.Play;
end;
procedure TFrmFotoKanan.FormCloseQuery(Sender: TObject;
  var CanClose: Boolean);
begin
  capenum.Free;
  FilterGraph1.ClearGraph;
  FilterGraph1.Active := false;
```

```
end;  
procedure TFrmFotoKanan.BtnMulaiClick(Sender: TObject);  
var i: integer;  
begin  
  CapEnum:=TSysDevEnum.Create(CLSID_VideoInputDeviceCategory);  
  For i:=0 to CapEnum.CountFilters-1 do  
    begin  
      combobox1.Items.Add(CapEnum.Filters[i].FriendlyName);  
    end;  
  end;  
end.  
end.
```

FORM FOTO KIRI

```
unit FotoKiri;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, DSPack, StdCtrls, ExtCtrls, DirectShow9, DsUtil;
type
  TfrmFotoKiri = class(TForm)
    Image1: TImage;
    BtnMulai: TButton;
    BtnFoto: TButton;
    ComboBox1: TComboBox;
    VideoWindow1: TVideoWindow;
    FilterGraph1: TFilterGraph;
    SampleGrabber1: TSampleGrabber;
    Filter1: TFilter;
    procedure BtnMulaiClick(Sender: TObject);
    procedure BtnFotoClick(Sender: TObject);
    procedure ComboBox1Click(Sender: TObject);
    procedure FormCloseQuery(Sender: TObject; var CanClose: Boolean);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  frmFotoKiri: TfrmFotoKiri;
  CapEnum: TSysDevEnum;
implementation
uses PilihKiri;
{$R *.dfm}
procedure TfrmFotoKiri.BtnMulaiClick(Sender: TObject);
var i: integer;
begin
  CapEnum:=TSysDevEnum.Create(CLSID_VideoInputDeviceCategory);
  For i:=0 to CapEnum.CountFilters-1 do
  begin
    combobox1.Items.Add(CapEnum.Filters[i].FriendlyName);
  end;
end;
procedure TfrmFotoKiri.BtnFotoClick(Sender: TObject);
begin
  samplegrabber1.GetBitmap(Image1.Picture.Bitmap);
  samplegrabber1.GetBitmap(frmPilihKiri.Foto.Picture.Bitmap);
  FrmPilihKiri.Show;
end;
procedure TfrmFotoKiri.ComboBox1Click(Sender: TObject);
begin
  FilterGraph1.ClearGraph;
  FilterGraph1.Active := false;
  Filter1.BaseFilter.Moniker :=
  capenum.GetMoniker(combobox1.ItemIndex);
  FilterGraph1.Active := true;
```

```
with FilterGraph1 as ICaptureGraphBuilder2 do RenderStream(@PIN_CATEGORY_PREVIEW,  
nil, Filter1 as IBaseFilter, SampleGrabber1 as IBaseFilter, VideoWindow1 as IBaseFilter);  
FilterGraph1.Play;  
end;  
procedure TfrmFotoKiri.FormCloseQuery(Sender: TObject; var CanClose: Boolean);  
begin  
capenum.Free;  
FilterGraph1.ClearGraph;  
FilterGraph1.Active := false;  
end;  
end.
```

FORM FOTO BELAKANG

```
unit FotoBelakang;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, DirectShow9, DsUtil, DSPack, StdCtrls, ExtCtrls;
type
  TfrmFotoBelakang = class(TForm)
    Image1: TImage;
    BtnMulai: TButton;
    BtnFoto: TButton;
    ComboBox1: TComboBox;
    VideoWindow1: TVideoWindow;
    FilterGraph1: TFilterGraph;
    SampleGrabber1: TSampleGrabber;
    Filter1: TFilter;
    procedure BtnMulaiClick(Sender: TObject);
    procedure BtnFotoClick(Sender: TObject);
    procedure ComboBox1Click(Sender: TObject);
    procedure FormCloseQuery(Sender: TObject; var CanClose: Boolean);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  frmFotoBelakang: TfrmFotoBelakang;
  CapEnum: TSysDevEnum;
implementation
uses PiliBelakang;
{$R *.dfm}
procedure TfrmFotoBelakang.BtnMulaiClick(Sender: TObject);
var i: integer;
begin
  CapEnum := TSysDevEnum.Create(CLSID_VideoInputDeviceCategory);
  For i := 0 to CapEnum.CountFilters - 1 do
  begin
    combobox1.Items.Add(CapEnum.Filters[i].FriendlyName);
  end;
end;
procedure TfrmFotoBelakang.BtnFotoClick(Sender: TObject);
begin
  samplegrabber1.GetBitmap(Image1.Picture.Bitmap);
  samplegrabber1.GetBitmap(frmPilihBelakang.Foto.Picture.Bitmap);
  frmPilihBelakang.Show;
end;
procedure TfrmFotoBelakang.ComboBox1Click(Sender: TObject);
begin
  FilterGraph1.ClearGraph;
  FilterGraph1.Active := false;
  Filter1.BaseFilter.Moniker :=
  capenum.GetMoniker(combobox1.ItemIndex);
  FilterGraph1.Active := true;
```

```
with FilterGraph1 as ICaptureGraphBuilder2 do RenderStream(@PIN_CATEGORY_PREVIEW,  
nil, Filter1 as IBaseFilter, SampleGrabber1 as IBaseFilter, VideoWindow1 as IBaseFilter);  
FilterGraph1.Play;  
end;  
procedure TfrmFotoBelakang.FormCloseQuery(Sender: TObject;  
  var CanClose: Boolean);  
begin  
  capenum.Free;  
  FilterGraph1.ClearGraph;  
  FilterGraph1.Active := false;  
end;  
end.
```

FORM PILIH DEPAN

```
unit PilihDepan;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, ExtCtrls, DB, IBCustomDataSet, IBQuery, IBDatabase,
  Spin, DBTables;
type
  TfrmPilihDepan = class(TForm)
    Image1: TImage;
    Image2: TImage;
    Image3: TImage;
    Image4: TImage;
    Image5: TImage;
    Image6: TImage;
    Image7: TImage;
    Image8: TImage;
    Image9: TImage;
    Image10: TImage;
    hitam: TImage;
    Image12: TImage;
    Image13: TImage;
    Image14: TImage;
    Image15: TImage;
    Image16: TImage;
    Image17: TImage;
    Image18: TImage;
    Image19: TImage;
    Label1: TLabel;
    Label2: TLabel;
    Pebesar: TButton;
    perkecil: TButton;
    atas: TButton;
    bawah: TButton;
    kanan: TButton;
    kiri: TButton;
    samping: TButton;
    atasbawah: TButton;
    Button9: TButton;
    Button10: TButton;
    Foto: TImage;
    Rambut: TImage;
    Image20: TImage;
    procedure Image1Click(Sender: TObject);
    procedure Image2Click(Sender: TObject);
    procedure Image3Click(Sender: TObject);
    procedure Image4Click(Sender: TObject);
    procedure Image5Click(Sender: TObject);
    procedure Image6Click(Sender: TObject);
    procedure Image7Click(Sender: TObject);
    procedure Image8Click(Sender: TObject);
    procedure Image9Click(Sender: TObject);
    procedure Image10Click(Sender: TObject);
    procedure PebesarClick(Sender: TObject);
    procedure perkecilClick(Sender: TObject);
```

```

procedure sampingClick(Sender: TObject);
procedure atasbawahClick(Sender: TObject);
procedure atasClick(Sender: TObject);
procedure bawahClick(Sender: TObject);
procedure kananClick(Sender: TObject);
procedure kiriClick(Sender: TObject);
procedure Button10Click(Sender: TObject);
procedure hitamClick(Sender: TObject);
procedure Image12Click(Sender: TObject);
procedure Image13Click(Sender: TObject);
procedure Image14Click(Sender: TObject);
procedure Image15Click(Sender: TObject);
procedure Image16Click(Sender: TObject);
procedure Image17Click(Sender: TObject);
procedure Image18Click(Sender: TObject);
procedure Image19Click(Sender: TObject);
procedure Button9Click(Sender: TObject);
procedure FormShow(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
  Procedure Threshold ( Level : Integer );
  Procedure GrayScale;
end;
var
  frmPilihDepan: TfrmPilihDepan;
  No_Rambut, i, j, Vatas, Vkiri, Vkanan : Integer;
  pic1, pic2, pic3, pic4 : TBitmap;
implementation
uses SimpanFoto;
{$R *.dfm}
procedure TfrmPilihDepan.Image1Click(Sender: TObject);
begin
  pic3.LoadFromFile('1a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
  No_Rambut := 1;
end;
procedure TfrmPilihDepan.Image2Click(Sender: TObject);
begin
  pic3.LoadFromFile('2a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
  No_Rambut := 2;
end;
procedure TfrmPilihDepan.Image3Click(Sender: TObject);
begin
  pic3.LoadFromFile('3a.bmp');

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pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
No_Rambut := 3;
end;
procedure TfrmPilihDepan.Image4Click(Sender: TObject);
begin
pic3.LoadFromFile('4a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
No_Rambut := 4;
end;
procedure TfrmPilihDepan.Image5Click(Sender: TObject);
begin
pic3.LoadFromFile('5a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
No_Rambut := 5;
end;
procedure TfrmPilihDepan.Image6Click(Sender: TObject);
begin
pic3.LoadFromFile('6a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
No_Rambut := 6;
end;
procedure TfrmPilihDepan.Image7Click(Sender: TObject);
begin
pic3.LoadFromFile('7a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
No_Rambut := 7;
end;
procedure TfrmPilihDepan.Image8Click(Sender: TObject);
begin
pic3.LoadFromFile('8a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);

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    No_Rambut := 8;
end;
procedure TfrmPilihDepan.Image9Click(Sender: TObject);
begin
    pic3.LoadFromFile('9a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    No_Rambut := 9;
end;
procedure TfrmPilihDepan.Image10Click(Sender: TObject);
begin
    pic3.LoadFromFile('10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    No_Rambut := 10;
end;
procedure TfrmPilihDepan.PebesarClick(Sender: TObject);
begin
    pic3.Width := pic4.Width;
    pic3.height := pic4.height;
    pic3.Canvas.StretchDraw(Rect(0,0,pic3.width,pic3.Height),pic4);
    pic4.width := pic4.width+4;
    pic4.height := pic4.height+4;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Width := Rambut.Width + 4;
    Rambut.height := Rambut.height + 4;
    Rambut.Picture.Assign(pic4);
end;
procedure TfrmPilihDepan.perkecilClick(Sender: TObject);
begin
    pic3.Width := pic4.Width;
    pic3.height := pic4.height;
    pic3.Canvas.StretchDraw(Rect(0,0,pic3.width,pic3.Height),pic4);
    pic4.width := pic4.width-4;
    pic4.height := pic4.height-4;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Width := Rambut.Width - 4;
    Rambut.height := Rambut.height - 4;
    Rambut.Picture.Assign(pic4);
end;
procedure TfrmPilihDepan.samplingClick(Sender: TObject);
begin
    pic3.Width := pic4.Width;
    pic3.height := pic4.height;
    pic3.Canvas.StretchDraw(Rect(0,0,pic3.width,pic3.Height),pic4);
    pic4.width := pic4.width-4;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);

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    pic4.TransparentColor := clwhite;
    Rambut.Width := Rambut.Width - 4;
    Rambut.Picture.Assign(pic4);
end;
procedure TfrmPilihDepan.atasbawahClick(Sender: TObject);
begin
    pic3.Width := pic4.Width;
    pic3.height := pic4.height;
    pic3.Canvas.StretchDraw(Rect(0,0,pic3.width,pic3.Height),pic4);
    pic4.height := pic4.height-4;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.height := Rambut.height - 4;
    Rambut.Picture.Assign(pic4);
end;
procedure TfrmPilihDepan.atasClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top-3);
end;
procedure TfrmPilihDepan.bawahClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top+3);
end;
procedure TfrmPilihDepan.kananClick(Sender: TObject);
begin
if (Rambut.Left>60) then (Rambut.Left:= Rambut.Left+3);
end;
procedure TfrmPilihDepan.kiriClick(Sender: TObject);
begin
if (Rambut.Left>60) then (Rambut.Left:= Rambut.Left-3);
end;
procedure TfrmPilihDepan.Button10Click(Sender: TObject);
begin
close;
end;
procedure TfrmPilihDepan.hitamClick(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
    pic3.LoadFromFile('hitam1a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
2 : Begin
    pic3.LoadFromFile('hitam2a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
3 : Begin

```

```

pic3.LoadFromFile('hitam3a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
4 : Begin
pic3.LoadFromFile('hitam4a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
5 : Begin
pic3.LoadFromFile('hitam5a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
6 : Begin
pic3.LoadFromFile('hitam6a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
7 : Begin
pic3.LoadFromFile('hitam7a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
8 : Begin
pic3.LoadFromFile('hitam8a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
9 : Begin
pic3.LoadFromFile('hitam9a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;

```

```

10 : Begin
    pic3.LoadFromFile('hitam10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
End;
end;

procedure TfrmPilihDepan.Image12Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
    pic3.LoadFromFile('biru1a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
2 : Begin
    pic3.LoadFromFile('biru2a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
3 : Begin
    pic3.LoadFromFile('biru3a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
4 : Begin
    pic3.LoadFromFile('biru4a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
5 : Begin
    pic3.LoadFromFile('biru5a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
6 : Begin

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```

pic3.LoadFromFile('biru6a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
7 : Begin
pic3.LoadFromFile('biru7a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
8 : Begin
pic3.LoadFromFile('biru8a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
9 : Begin
pic3.LoadFromFile('biru9a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
10 : Begin
pic3.LoadFromFile('biru10a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
end;
end;
procedure TfrmPilihDepan.Image13Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
pic3.LoadFromFile('hijau1a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
2 : Begin
pic3.LoadFromFile('hijau2a.bmp');
pic4.Width := pic3.width div 2;

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pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
3 : Begin
pic3.LoadFromFile('hijau3a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
4 : Begin
pic3.LoadFromFile('hijau4a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
5 : Begin
pic3.LoadFromFile('hijau5a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
6 : Begin
pic3.LoadFromFile('hijau6a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
7 : Begin
pic3.LoadFromFile('hijau7a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
8 : Begin
pic3.LoadFromFile('hijau8a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
9 : Begin
pic3.LoadFromFile('hijau9a.bmp');

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    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
10 : Begin
    pic3.LoadFromFile('hijau10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
end;
end;
procedure TfrmPilihDepan.Image14Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
    pic3.LoadFromFile('oren1a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
2 : Begin
    pic3.LoadFromFile('oren2a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
3 : Begin
    pic3.LoadFromFile('oren3a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
4 : Begin
    pic3.LoadFromFile('oren4a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
end;
5 : Begin
    pic3.LoadFromFile('oren5a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;

```



```

    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
6 : Begin
    pic3.LoadFromFile('oren6a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
7 : Begin
    pic3.LoadFromFile('oren7a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
8 : Begin
    pic3.LoadFromFile('oren8a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
9 : Begin
    pic3.LoadFromFile('oren9a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
10 : Begin
    pic3.LoadFromFile('oren10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
end;
end;
procedure TfrmPilihDepan.Image15Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
    pic3.LoadFromFile('pink1a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;

```

```

    Rambut.Picture.Assign(pic4);
End;
2 : Begin
    pic3.LoadFromFile('pink2a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
3 : Begin
    pic3.LoadFromFile('pink3a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
4 : Begin
    pic3.LoadFromFile('pink4a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
5 : Begin
    pic3.LoadFromFile('pink5a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
6 : Begin
    pic3.LoadFromFile('pink6a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
7 : Begin
    pic3.LoadFromFile('pink7a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
8 : Begin
    pic3.LoadFromFile('pink8a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);

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```

    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
9 : Begin
    pic3.LoadFromFile('pink9a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
10 : Begin
    pic3.LoadFromFile('pink10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
end;
end;
procedure TfrmPilihDepan.Image16Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
    pic3.LoadFromFile('ungu1a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
2 : Begin
    pic3.LoadFromFile('ungu2a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
3 : Begin
    pic3.LoadFromFile('ungu3a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
4 : Begin
    pic3.LoadFromFile('ungu4a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);

```

```

End;
5 : Begin
  pic3.LoadFromFile('ungu5a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
End;
6 : Begin
  pic3.LoadFromFile('ungu6a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
End;
7 : Begin
  pic3.LoadFromFile('ungu7a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
End;
8 : Begin
  pic3.LoadFromFile('ungu8a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
End;
9 : Begin
  pic3.LoadFromFile('ungu9a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
End;
10 : Begin
  pic3.LoadFromFile('ungu10a.bmp');
  pic4.Width := pic3.width div 2;
  pic4.height := pic3.height div 2;
  pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
  pic4.TransparentColor := clwhite;
  Rambut.Picture.Assign(pic4);
End;
end;
end;
procedure TfrmPilihDepan.Image17Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin

```

```

pic3.LoadFromFile('merah1a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
2 : Begin
pic3.LoadFromFile('merah2a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
3 : Begin
pic3.LoadFromFile('merah3a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
4 : Begin
pic3.LoadFromFile('merah4a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
5 : Begin
pic3.LoadFromFile('merah5a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
6 : Begin
pic3.LoadFromFile('merah6a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;
7 : Begin
pic3.LoadFromFile('merah7a.bmp');
pic4.Width := pic3.width div 2;
pic4.height := pic3.height div 2;
pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
pic4.TransparentColor := clwhite;
Rambut.Picture.Assign(pic4);
End;

```

```

8 : Begin
    pic3.LoadFromFile('merah8a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
9 : Begin
    pic3.LoadFromFile('merah9a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
10 : Begin
    pic3.LoadFromFile('merah10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
end;
end;
procedure TfrmPilihDepan.Image18Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
    pic3.LoadFromFile('torquise1a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
2 : Begin
    pic3.LoadFromFile('torquise2a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
3 : Begin
    pic3.LoadFromFile('torquise3a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
4 : Begin
    pic3.LoadFromFile('torquise4a.bmp');

```

```

    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
5 : Begin
    pic3.LoadFromFile('torquise5a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
6 : Begin
    pic3.LoadFromFile('torquise6a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
7 : Begin
    pic3.LoadFromFile('torquise7a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
8 : Begin
    pic3.LoadFromFile('torquise8a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
9 : Begin
    pic3.LoadFromFile('torquise9a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
10 : Begin
    pic3.LoadFromFile('torquise10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
end;

```

```

end;
procedure TfrmPilihDepan.Image19Click(Sender: TObject);
begin
Case No_Rambut of
1 : Begin
    pic3.LoadFromFile('kuning1a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
2 : Begin
    pic3.LoadFromFile('kuning2a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
3 : Begin
    pic3.LoadFromFile('kuning3a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
4 : Begin
    pic3.LoadFromFile('kuning4a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
5 : Begin
    pic3.LoadFromFile('kuning5a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
6 : Begin
    pic3.LoadFromFile('kuning6a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
    End;
7 : Begin
    pic3.LoadFromFile('kuning7a.bmp');
    pic4.Width := pic3.width div 2;

```



```

    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
8 : Begin
    pic3.LoadFromFile('kuning8a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
9 : Begin
    pic3.LoadFromFile('kuning9a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
10 : Begin
    pic3.LoadFromFile('kuning10a.bmp');
    pic4.Width := pic3.width div 2;
    pic4.height := pic3.height div 2;
    pic4.Canvas.StretchDraw(Rect(0,0,pic4.width,pic4.Height),pic3);
    pic4.TransparentColor := clwhite;
    Rambut.Picture.Assign(pic4);
End;
end;
end;
procedure TfrmPilihDepan.Button9Click(Sender: TObject);
begin
    pic4.SaveToFile('Sementara2.bmp');
    frmSimpan.Show;
end;
procedure TfrmPilihDepan.FormShow(Sender: TObject);
begin
    pic1 := Tbitmap.Create;
    pic2 := Tbitmap.Create;
    pic3 := Tbitmap.Create;
    pic4 := Tbitmap.Create;

    pic1.LoadFromFile('Sementara.bmp');
    pic2.Width := pic1.width div 2;
    pic2.height := pic1.height div 2;
    pic2.Canvas.StretchDraw(Rect(0,0,pic2.width,pic2.Height),pic1);
    foto.Picture.Assign(pic2);
    pic2.SaveToFile('Sementara.bmp');
    Image20.Picture.LoadFromFile('Sementara.bmp');
    Grayscale;
    Threshold(175);

    //cari atas
    i:=1;

```

```

Vatas:=0;
repeat
  i:=1;
  repeat
    if image20.canvas.Pixels[i,j] <> clwhite then Vatas:=j;
    i:=i+1;
  until (Vatas<>0) or (i=image20.width-1);
  j:=j+1;
until (Vatas <>0) or (j=image20.height-1);

//cari kiri dan kanan
i:=1;Vkiri:=0;Vkanan:=0;
j:=Vatas + 100;
repeat
  if image20.canvas.Pixels[i,j] <> clwhite then Vkiri:=i;
  i:=i+1;
until (Vkiri<>0) or (i=image20.Width-1);
repeat
  if image20.canvas.Pixels[i,j]= clwhite then Vkanan:=i;
  i:=i+1;
until (Vkanan<>0) or (i=image20.Width-1);
rambut.top := Vatas+Foto.top;
rambut.left := Vkiri+Foto.left;
end;
procedure TfrmPilihDepan.Threshold ( Level : Integer );
var
  w, h, vRgbTemp : integer ;
  warna : LongInt ;
  R, G, B : byte ;
begin
  with Image20.Picture.Bitmap do
    begin
      for w:=0 to Width-1 do
        // kode ini adalah kode pengulangan untuk menelusuri tinggi bitmap
        begin
          for h:=0 to Height-1 do
            // kode ini adalah kode pengulangan untuk menelusuri tinggi bitmap
            Begin
              // sekarang kita akan mengubah nilai Tcolor menjadi nilai R, G dan B.
              warna:=ColorToRgb(canvas.Pixels[w,h]);
              // setelah itu kita ambil nilai R, G dan B
              R:=GetRValue(warna);
              G:=GetGValue(warna);
              B:=GetBValue(warna);
              if ((r+g+b) div 3)<=level then vRgbtemp:=0 else vRgbtemp:=255 ;
              // warna baru
              canvas.Pixels[w, h]:=Rgb(vRgbTemp, vRgbTemp, vRgbTemp);
            end;
          end;
        end;
      end;
    end;
  end;
procedure TfrmPilihDepan.GrayScale;
var
  w, h, vRgbTemp : integer ;
  warna : LongInt ;

```

```

R, G, B : byte ;
begin
  with Image20.Picture.Bitmap do
    begin
      for w:=0 to Width-1 do
        // kode ini adalah kode pengulangan untuk menelusuri tinggi bitmap
        begin
          for h:=0 to Height-1 do
            // kode ini adalah kode pengulangan untuk menelusuri tinggi bitmap
            Begin
              // sekarang kita akan mengubah nilai Tcolor menjadi nilai R, G dan B.
              warna:=ColorToRgb(canvas.Pixels[w,h]);
              // setelah itu kita ambil nilai R, G dan B
              R:=GetRValue(warna);
              G:=GetGValue(warna);
              B:=GetBValue(warna);
              // fungsi nilai gray
              vRgbTemp:=( R + G + B ) div 3;
              // warna baru
              canvas.Pixels[w, h]:=Rgb(vRgbTemp, vRgbTemp, vRgbTemp);
            end;
          end;
        end;
      end;
    end.
  end.
end.

```

FORM PILIH KANAN

```
unit PilihKanan;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, ExtCtrls;
type
  TfrmPilihKanan = class(TForm)
    Foto: TImage;
    Rambut: TImage;
    Image1: TImage;
    Image2: TImage;
    Image3: TImage;
    Image4: TImage;
    Image5: TImage;
    Image6: TImage;
    Image7: TImage;
    Image8: TImage;
    Image9: TImage;
    Image10: TImage;
    Image11: TImage;
    Image12: TImage;
    Image13: TImage;
    Image14: TImage;
    Image15: TImage;
    Image16: TImage;
    Image17: TImage;
    Image18: TImage;
    Image19: TImage;
    Label1: TLabel;
    Label2: TLabel;
    Pebesar: TButton;
    perkecil: TButton;
    atas: TButton;
    bawah: TButton;
    kanan: TButton;
    kiri: TButton;
    samping: TButton;
    atasbawah: TButton;
    Button10: TButton;
    Button1: TButton;
    Button2: TButton;
    procedure Image1Click(Sender: TObject);
    procedure Image2Click(Sender: TObject);
    procedure Image3Click(Sender: TObject);
    procedure Image4Click(Sender: TObject);
    procedure Image5Click(Sender: TObject);
    procedure Image6Click(Sender: TObject);
    procedure Image7Click(Sender: TObject);
    procedure Image8Click(Sender: TObject);
    procedure Image9Click(Sender: TObject);
    procedure Image10Click(Sender: TObject);
    procedure PebesarClick(Sender: TObject);
    procedure perkecilClick(Sender: TObject);
    procedure sampingClick(Sender: TObject);
```

```

procedure atasbawahClick(Sender: TObject);
procedure atasClick(Sender: TObject);
procedure bawahClick(Sender: TObject);
procedure kananClick(Sender: TObject);
procedure kiriClick(Sender: TObject);
procedure Button10Click(Sender: TObject);
procedure Image11Click(Sender: TObject);
procedure Image12Click(Sender: TObject);
procedure Image13Click(Sender: TObject);
procedure Image14Click(Sender: TObject);
procedure Image15Click(Sender: TObject);
procedure Image16Click(Sender: TObject);
procedure Image17Click(Sender: TObject);
procedure Image18Click(Sender: TObject);
procedure Image19Click(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;
var
  frmPilihKanan: TfrmPilihKanan;
  No_Rambut : Integer;
implementation
{$R *.dfm}
procedure TfrmPilihKanan.Image1Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('1b.bmp');
No_Rambut := 1;
end;
procedure TfrmPilihKanan.Image2Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('2d.bmp');
No_Rambut := 2;
end;
procedure TfrmPilihKanan.Image3Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('3b.bmp');
No_Rambut := 3;
end;
procedure TfrmPilihKanan.Image4Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('4b.bmp');
No_Rambut := 4;
end;
procedure TfrmPilihKanan.Image5Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('5b.bmp');
No_Rambut := 5;
end;
procedure TfrmPilihKanan.Image6Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('6c.bmp');

```

```

No_Rambut := 6;
end;
procedure TfrmPilihKanan.Image7Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('7b.bmp');
No_Rambut := 7;
end;
procedure TfrmPilihKanan.Image8Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('8b.bmp');
No_Rambut := 8;
end;
procedure TfrmPilihKanan.Image9Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('9c.bmp');
No_Rambut := 9;
end;
procedure TfrmPilihKanan.Image10Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('10c.bmp');
No_Rambut := 10;
end;
procedure TfrmPilihKanan.PebesarClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width + 5;
    Rambut.Height := Rambut.Height + 5;
end;
procedure TfrmPilihKanan.perkecilClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width - 5;
    Rambut.Height := Rambut.Height - 5;
end;
procedure TfrmPilihKanan.samplingClick(Sender: TObject);
begin Rambut.Width := Rambut.Width - 5; end;
procedure TfrmPilihKanan.atasbawahClick(Sender: TObject);
begin
    Rambut.Height := Rambut.Height - 5;
end;
procedure TfrmPilihKanan.atasClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top-3);
end;
procedure TfrmPilihKanan.bawahClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top+3);
end;
procedure TfrmPilihKanan.kananClick(Sender: TObject);
begin
if (Rambut.Left>60) then (Rambut.Left:= Rambut.Left+3);
end;
procedure TfrmPilihKanan.kiriClick(Sender: TObject);
begin
if (Rambut.Left>30) then (Rambut.Left:= Rambut.Left-3);
end;
procedure TfrmPilihKanan.Button10Click(Sender: TObject);

```

```

begin
close;
end;
procedure TfrmPilihKanan.Image11Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('hitam1b.bmp');
2 : Rambut.Picture.LoadFromFile('hitam2d.bmp');
3 : Rambut.Picture.LoadFromFile('hitam3b.bmp');
4 : Rambut.Picture.LoadFromFile('hitam4b.bmp');
5 : Rambut.Picture.LoadFromFile('hitam5b.bmp');
6 : Rambut.Picture.LoadFromFile('hitam6c.bmp');
7 : Rambut.Picture.LoadFromFile('hitam7b.bmp');
8 : Rambut.Picture.LoadFromFile('hitam8b.bmp');
9 : Rambut.Picture.LoadFromFile('hitam9c.bmp');
10 : Rambut.Picture.LoadFromFile('hitam10b.bmp');
End;
end;
procedure TfrmPilihKanan.Image12Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('biru1b.bmp');
2 : Rambut.Picture.LoadFromFile('biru2d.bmp');
3 : Rambut.Picture.LoadFromFile('biru3b.bmp');
4 : Rambut.Picture.LoadFromFile('biru4b.bmp');
5 : Rambut.Picture.LoadFromFile('biru5b.bmp');
6 : Rambut.Picture.LoadFromFile('biru6c.bmp');
7 : Rambut.Picture.LoadFromFile('biru7b.bmp');
8 : Rambut.Picture.LoadFromFile('biru8b.bmp');
9 : Rambut.Picture.LoadFromFile('biru9c.bmp');
10 : Rambut.Picture.LoadFromFile('biru10b.bmp');
end;
end;
procedure TfrmPilihKanan.Image13Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('hijau1b.bmp');
2 : Rambut.Picture.LoadFromFile('hijau2d.bmp');
3 : Rambut.Picture.LoadFromFile('hijau3b.bmp');
4 : Rambut.Picture.LoadFromFile('hijau4b.bmp');
5 : Rambut.Picture.LoadFromFile('hijau5b.bmp');
6 : Rambut.Picture.LoadFromFile('hijau6c.bmp');
7 : Rambut.Picture.LoadFromFile('hijau7b.bmp');
8 : Rambut.Picture.LoadFromFile('hijau8b.bmp');
9 : Rambut.Picture.LoadFromFile('hijau9c.bmp');
10 : Rambut.Picture.LoadFromFile('hijau10b.bmp');
end;
end;
procedure TfrmPilihKanan.Image14Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('oren1b.bmp');
2 : Rambut.Picture.LoadFromFile('oren2d.bmp');
3 : Rambut.Picture.LoadFromFile('oren3b.bmp');
4 : Rambut.Picture.LoadFromFile('oren4b.bmp');

```

```

5 : Rambut.Picture.LoadFromFile('oren5b.bmp');
6 : Rambut.Picture.LoadFromFile('oren6c.bmp');
7 : Rambut.Picture.LoadFromFile('oren7b.bmp');
8 : Rambut.Picture.LoadFromFile('oren8b.bmp');
9 : Rambut.Picture.LoadFromFile('oren9c.bmp');
10 : Rambut.Picture.LoadFromFile('oren10b.bmp');
end;
end;
procedure TfrmPilihKanan.Image15Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('pink1b.bmp');
2 : Rambut.Picture.LoadFromFile('pink2d.bmp');
3 : Rambut.Picture.LoadFromFile('pink3b.bmp');
4 : Rambut.Picture.LoadFromFile('pink4b.bmp');
5 : Rambut.Picture.LoadFromFile('pink5b.bmp');
6 : Rambut.Picture.LoadFromFile('pink6c.bmp');
7 : Rambut.Picture.LoadFromFile('pink7b.bmp');
8 : Rambut.Picture.LoadFromFile('pink8b.bmp');
9 : Rambut.Picture.LoadFromFile('pink9c.bmp');
10 : Rambut.Picture.LoadFromFile('pink10b.bmp');
end;
end;
procedure TfrmPilihKanan.Image16Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('ungu1b.bmp');
2 : Rambut.Picture.LoadFromFile('ungu2d.bmp');
3 : Rambut.Picture.LoadFromFile('ungu3b.bmp');
4 : Rambut.Picture.LoadFromFile('ungu4b.bmp');
5 : Rambut.Picture.LoadFromFile('ungu5b.bmp');
6 : Rambut.Picture.LoadFromFile('ungu6c.bmp');
7 : Rambut.Picture.LoadFromFile('ungu7b.bmp');
8 : Rambut.Picture.LoadFromFile('ungu8b.bmp');
9 : Rambut.Picture.LoadFromFile('ungu9c.bmp');
10 : Rambut.Picture.LoadFromFile('ungu10b.bmp');
end;
end;
procedure TfrmPilihKanan.Image17Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('merah1b.bmp');
2 : Rambut.Picture.LoadFromFile('merah2d.bmp');
3 : Rambut.Picture.LoadFromFile('merah3b.bmp');
4 : Rambut.Picture.LoadFromFile('merah4b.bmp');
5 : Rambut.Picture.LoadFromFile('merah5b.bmp');
6 : Rambut.Picture.LoadFromFile('merah6c.bmp');
7 : Rambut.Picture.LoadFromFile('merah7b.bmp');
8 : Rambut.Picture.LoadFromFile('merah8b.bmp');
9 : Rambut.Picture.LoadFromFile('merah9c.bmp');
10 : Rambut.Picture.LoadFromFile('merah10b.bmp');
end;
end;
procedure TfrmPilihKanan.Image18Click(Sender: TObject);
begin

```



```

Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('torqiuse1b.bmp');
2 : Rambut.Picture.LoadFromFile('torqiuse2d.bmp');
3 : Rambut.Picture.LoadFromFile('torqiuse3b.bmp');
4 : Rambut.Picture.LoadFromFile('torqiuse4b.bmp');
5 : Rambut.Picture.LoadFromFile('torqiuse5b.bmp');
6 : Rambut.Picture.LoadFromFile('torqiuse6c.bmp');
7 : Rambut.Picture.LoadFromFile('torqiuse7b.bmp');
8 : Rambut.Picture.LoadFromFile('torqiuse8b.bmp');
9 : Rambut.Picture.LoadFromFile('torqiuse9c.bmp');
10 : Rambut.Picture.LoadFromFile('torqiuse10b.bmp');
end;
end;
procedure TfrmPilihKanan.Image19Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('kuning1b.bmp');
2 : Rambut.Picture.LoadFromFile('kuning2d.bmp');
3 : Rambut.Picture.LoadFromFile('kuning3b.bmp');
4 : Rambut.Picture.LoadFromFile('kuning4b.bmp');
5 : Rambut.Picture.LoadFromFile('kuning5b.bmp');
6 : Rambut.Picture.LoadFromFile('kuning6c.bmp');
7 : Rambut.Picture.LoadFromFile('kuning7b.bmp');
8 : Rambut.Picture.LoadFromFile('kuning8b.bmp');
9 : Rambut.Picture.LoadFromFile('kuning9c.bmp');
10 : Rambut.Picture.LoadFromFile('kuning10b.bmp');
end;
end;
procedure TfrmPilihKanan.Button1Click(Sender: TObject);
begin
    Rambut.Width := Rambut.Width + 5;
end;
procedure TfrmPilihKanan.Button2Click(Sender: TObject);
begin
    Rambut.Height := Rambut.height + 5;
end; end.

```

FORM PILIH KIRI

```
unit PilihKiri;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, ExtCtrls;
type
  TFrmPilihKiri = class(TForm)
    Foto: TImage;
    Rambut: TImage;
    Image1: TImage;
    Image2: TImage;
    Image3: TImage;
    Image4: TImage;
    Image5: TImage;
    Image6: TImage;
    Image7: TImage;
    Image8: TImage;
    Image9: TImage;
    Image10: TImage;
    Image11: TImage;
    Image12: TImage;
    Image13: TImage;
    Image14: TImage;
    Image15: TImage;
    Image16: TImage;
    Image17: TImage;
    Image18: TImage;
    Image19: TImage;
    Label1: TLabel;
    Label2: TLabel;
    Pebesar: TButton;
    perkecil: TButton;
    atas: TButton;
    bawah: TButton;
    kanan: TButton;
    kiri: TButton;
    sampling: TButton;
    atasbawah: TButton;
    Button10: TButton;
    Button1: TButton;
    Button2: TButton;
    procedure Image1Click(Sender: TObject);
    procedure Image2Click(Sender: TObject);
    procedure Image3Click(Sender: TObject);
    procedure Image4Click(Sender: TObject);
    procedure Image5Click(Sender: TObject);
    procedure Image6Click(Sender: TObject);
    procedure Image7Click(Sender: TObject);
    procedure Image8Click(Sender: TObject);
    procedure Image9Click(Sender: TObject);
    procedure Image10Click(Sender: TObject);
    procedure PebesarClick(Sender: TObject);
    procedure perkecilClick(Sender: TObject);
    procedure samplingClick(Sender: TObject);
```

```

procedure atasbawahClick(Sender: TObject);
procedure atasClick(Sender: TObject);
procedure bawahClick(Sender: TObject);
procedure kananClick(Sender: TObject);
procedure kiriClick(Sender: TObject);
procedure Button10Click(Sender: TObject);
procedure Image11Click(Sender: TObject);
procedure Image12Click(Sender: TObject);
procedure Image13Click(Sender: TObject);
procedure Image14Click(Sender: TObject);
procedure Image15Click(Sender: TObject);
procedure Image16Click(Sender: TObject);
procedure Image17Click(Sender: TObject);
procedure Image18Click(Sender: TObject);
procedure Image19Click(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;
var
  FrmPilihKiri: TFrmPilihKiri;
  No_Rambut : Integer;
implementation
{$R *.dfm}
procedure TFrmPilihKiri.Image1Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('1c.bmp');
No_Rambut := 1;
end;
procedure TFrmPilihKiri.Image2Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('2b.bmp');
No_Rambut := 2;
end;
procedure TFrmPilihKiri.Image3Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('3c.bmp');
No_Rambut := 3;
end;

procedure TFrmPilihKiri.Image4Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('4c.bmp');
No_Rambut := 4;
end;
procedure TFrmPilihKiri.Image5Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('5c.bmp');
No_Rambut := 5;
end;
procedure TFrmPilihKiri.Image6Click(Sender: TObject);
begin

```

```

Rambut.Picture.LoadFromFile('6b.bmp');
No_Rambut := 6;
end;
procedure TFrmPilihKiri.Image7Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('7c.bmp');
No_Rambut := 7;
end;
procedure TFrmPilihKiri.Image8Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('8c.bmp');
No_Rambut := 8;
end;
procedure TFrmPilihKiri.Image9Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('9b.bmp');
No_Rambut := 9;
end;
procedure TFrmPilihKiri.Image10Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('10b.bmp');
No_Rambut := 10;
end;
procedure TFrmPilihKiri.PebesarClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width + 5;
    Rambut.Height := Rambut.Height + 5;
end;
procedure TFrmPilihKiri.perkecilClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width - 5;
    Rambut.Height := Rambut.Height - 5; end;
procedure TFrmPilihKiri.sampingClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width - 5; end;
procedure TFrmPilihKiri.atasbawahClick(Sender: TObject);
begin
    Rambut.Height := Rambut.Height - 5;
end;
procedure TFrmPilihKiri.atasClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top-3);
end;
procedure TFrmPilihKiri.bawahClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top+3);
end;
procedure TFrmPilihKiri.kananClick(Sender: TObject);
begin
if (Rambut.Left>60) then (Rambut.Left:= Rambut.Left+3);
end;
procedure TFrmPilihKiri.kiriClick(Sender: TObject);
begin
if (Rambut.Left>60) then (Rambut.Left:= Rambut.Left-3);
end;

```

```

procedure TFrmPilihKiri.Button10Click(Sender: TObject);
begin
Close;
end;
procedure TFrmPilihKiri.Image11Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('hitam1c.bmp');
2 : Rambut.Picture.LoadFromFile('hitam2b.bmp');
3 : Rambut.Picture.LoadFromFile('hitam3c.bmp');
4 : Rambut.Picture.LoadFromFile('hitam4c.bmp');
5 : Rambut.Picture.LoadFromFile('hitam5c.bmp');
6 : Rambut.Picture.LoadFromFile('hitam6b.bmp');
7 : Rambut.Picture.LoadFromFile('hitam7c.bmp');
8 : Rambut.Picture.LoadFromFile('hitam8c.bmp');
9 : Rambut.Picture.LoadFromFile('hitam9b.bmp');
10 : Rambut.Picture.LoadFromFile('hitam10c.bmp');
end;
end;
procedure TFrmPilihKiri.Image12Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('biru1c.bmp');
2 : Rambut.Picture.LoadFromFile('biru2b.bmp');
3 : Rambut.Picture.LoadFromFile('biru3c.bmp');
4 : Rambut.Picture.LoadFromFile('biru4c.bmp');
5 : Rambut.Picture.LoadFromFile('biru5c.bmp');
6 : Rambut.Picture.LoadFromFile('biru6b.bmp');
7 : Rambut.Picture.LoadFromFile('biru7c.bmp');
8 : Rambut.Picture.LoadFromFile('biru8c.bmp');
9 : Rambut.Picture.LoadFromFile('biru9b.bmp');
10 : Rambut.Picture.LoadFromFile('biru10c.bmp');
end;
end;

procedure TFrmPilihKiri.Image13Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('hijau1c.bmp');
2 : Rambut.Picture.LoadFromFile('hijau2b.bmp');
3 : Rambut.Picture.LoadFromFile('hijau3c.bmp');
4 : Rambut.Picture.LoadFromFile('hijau4c.bmp');
5 : Rambut.Picture.LoadFromFile('hijau5c.bmp');
6 : Rambut.Picture.LoadFromFile('hijau6b.bmp');
7 : Rambut.Picture.LoadFromFile('hijau7c.bmp');
8 : Rambut.Picture.LoadFromFile('hijau8c.bmp');
9 : Rambut.Picture.LoadFromFile('hijau9b.bmp');
10 : Rambut.Picture.LoadFromFile('hijau10c.bmp');
end;
end;
procedure TFrmPilihKiri.Image14Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('oren1c.bmp');
2 : Rambut.Picture.LoadFromFile('oren2b.bmp');

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```

3 : Rambut.Picture.LoadFromFile('oren3c.bmp');
4 : Rambut.Picture.LoadFromFile('oren4c.bmp');
5 : Rambut.Picture.LoadFromFile('oren5c.bmp');
6 : Rambut.Picture.LoadFromFile('oren6b.bmp');
7 : Rambut.Picture.LoadFromFile('oren7c.bmp');
8 : Rambut.Picture.LoadFromFile('oren8c.bmp');
9 : Rambut.Picture.LoadFromFile('oren9b.bmp');
10 : Rambut.Picture.LoadFromFile('oren10c.bmp');
end;
end;
procedure TFrmPilihKiri.Image15Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('pink1c.bmp');
2 : Rambut.Picture.LoadFromFile('pink2b.bmp');
3 : Rambut.Picture.LoadFromFile('pink3c.bmp');
4 : Rambut.Picture.LoadFromFile('pink4c.bmp');
5 : Rambut.Picture.LoadFromFile('pink5c.bmp');
6 : Rambut.Picture.LoadFromFile('pink6b.bmp');
7 : Rambut.Picture.LoadFromFile('pink7c.bmp');
8 : Rambut.Picture.LoadFromFile('pink8c.bmp');
9 : Rambut.Picture.LoadFromFile('pink9b.bmp');
10 : Rambut.Picture.LoadFromFile('pink10c.bmp');
end;
end;
procedure TFrmPilihKiri.Image16Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('ungu1c.bmp');
2 : Rambut.Picture.LoadFromFile('ungu2b.bmp');
3 : Rambut.Picture.LoadFromFile('ungu3c.bmp');
4 : Rambut.Picture.LoadFromFile('ungu4c.bmp');
5 : Rambut.Picture.LoadFromFile('ungu5c.bmp');
6 : Rambut.Picture.LoadFromFile('ungu6b.bmp');
7 : Rambut.Picture.LoadFromFile('ungu7c.bmp');
8 : Rambut.Picture.LoadFromFile('ungu8c.bmp');
9 : Rambut.Picture.LoadFromFile('ungu9b.bmp');
10 : Rambut.Picture.LoadFromFile('ungu10c.bmp');
end; end;
procedure TFrmPilihKiri.Image17Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('merah1c.bmp');
2 : Rambut.Picture.LoadFromFile('merah2b.bmp');
3 : Rambut.Picture.LoadFromFile('merah3c.bmp');
4 : Rambut.Picture.LoadFromFile('merah4c.bmp');
5 : Rambut.Picture.LoadFromFile('merah5c.bmp');
6 : Rambut.Picture.LoadFromFile('merah6b.bmp');
7 : Rambut.Picture.LoadFromFile('merah7c.bmp');
8 : Rambut.Picture.LoadFromFile('merah8c.bmp');
9 : Rambut.Picture.LoadFromFile('merah9b.bmp');
10 : Rambut.Picture.LoadFromFile('merah10c.bmp');
end; end;
procedure TFrmPilihKiri.Image18Click(Sender: TObject);
begin

```

```

Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('torquise1c.bmp');
2 : Rambut.Picture.LoadFromFile('torquise2b.bmp');
3 : Rambut.Picture.LoadFromFile('torquise3c.bmp');
4 : Rambut.Picture.LoadFromFile('torquise4c.bmp');
5 : Rambut.Picture.LoadFromFile('torquise5c.bmp');
6 : Rambut.Picture.LoadFromFile('torquise6b.bmp');
7 : Rambut.Picture.LoadFromFile('torquise7c.bmp');
8 : Rambut.Picture.LoadFromFile('torquise8c.bmp');
9 : Rambut.Picture.LoadFromFile('torquise9b.bmp');
10 : Rambut.Picture.LoadFromFile('torquise10c.bmp');
end;
end;
procedure TFrmPilihKiri.Image19Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('kuning1c.bmp');
2 : Rambut.Picture.LoadFromFile('kuning2b.bmp');
3 : Rambut.Picture.LoadFromFile('kuning3c.bmp');
4 : Rambut.Picture.LoadFromFile('kuning4c.bmp');
5 : Rambut.Picture.LoadFromFile('kuning5c.bmp');
6 : Rambut.Picture.LoadFromFile('kuning6b.bmp');
7 : Rambut.Picture.LoadFromFile('kuning7c.bmp');
8 : Rambut.Picture.LoadFromFile('kuning8c.bmp');
9 : Rambut.Picture.LoadFromFile('kuning9b.bmp');
10 : Rambut.Picture.LoadFromFile('kuning10c.bmp');
end;
end;
procedure TFrmPilihKiri.Button1Click(Sender: TObject);
begin
Rambut.Width := Rambut.Width + 5;
end;
procedure TFrmPilihKiri.Button2Click(Sender: TObject);
begin
Rambut.Height := Rambut.height + 5;
end; end.

```

FORM PILIH BELAKANG

```
unit PilihBelakang;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, ExtCtrls;
type
  TfrmPilihBelakang = class(TForm)
    Foto: TImage;
    Rambut: TImage;
    Image1: TImage;
    Image2: TImage;
    Image3: TImage;
    Image4: TImage;
    Image5: TImage;
    Image6: TImage;
    Image7: TImage;
    Image8: TImage;
    Image9: TImage;
    Image10: TImage;
    Image11: TImage;
    Image12: TImage;
    Image13: TImage;
    Image14: TImage;
    Image15: TImage;
    Image16: TImage;
    Image17: TImage;
    Image18: TImage;
    Image19: TImage;
    Label1: TLabel;
    Label2: TLabel;
    Pebesar: TButton;
    perkecil: TButton;
    atas: TButton;
    bawah: TButton;
    kanan: TButton;
    kiri: TButton;
    samping: TButton;
    atasbawah: TButton;
    Button10: TButton;
    Button1: TButton;
    Button2: TButton;
    procedure Image1Click(Sender: TObject);
    procedure Image2Click(Sender: TObject);
    procedure Image3Click(Sender: TObject);
    procedure Image4Click(Sender: TObject);
    procedure Image5Click(Sender: TObject);
    procedure Image6Click(Sender: TObject);
    procedure Image7Click(Sender: TObject);
    procedure Image8Click(Sender: TObject);
    procedure Image9Click(Sender: TObject);
    procedure Image10Click(Sender: TObject);
    procedure PebesarClick(Sender: TObject);
    procedure perkecilClick(Sender: TObject);
    procedure sampingClick(Sender: TObject);
```



```

procedure atasbawahClick(Sender: TObject);
procedure atasClick(Sender: TObject);
procedure bawahClick(Sender: TObject);
procedure kananClick(Sender: TObject);
procedure kiriClick(Sender: TObject);
procedure Button10Click(Sender: TObject);
procedure Image11Click(Sender: TObject);
procedure Image12Click(Sender: TObject);
procedure Image13Click(Sender: TObject);
procedure Image14Click(Sender: TObject);
procedure Image15Click(Sender: TObject);
procedure Image16Click(Sender: TObject);
procedure Image17Click(Sender: TObject);
procedure Image18Click(Sender: TObject);
procedure Image19Click(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;
var
  frmPilihBelakang: TfrmPilihBelakang;
  No_Rambut : Integer;
implementation
{$R *.dfm}
procedure TfrmPilihBelakang.Image1Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('10d.bmp');
No_Rambut := 1;
end;
procedure TfrmPilihBelakang.Image2Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('2c.bmp');
No_Rambut := 2;
end;
procedure TfrmPilihBelakang.Image3Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('3d.bmp');
No_Rambut := 3;
end;
procedure TfrmPilihBelakang.Image4Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('4d.bmp');
No_Rambut := 4;
end;
procedure TfrmPilihBelakang.Image5Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('5d.bmp');
No_Rambut := 5;
end;
procedure TfrmPilihBelakang.Image6Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('6d.bmp');

```

```

No_Rambut := 6;
end;
procedure TfrmPilihBelakang.Image7Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('7d.bmp');
No_Rambut := 7;
end;
procedure TfrmPilihBelakang.Image8Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('8d.bmp');
No_Rambut := 8;
end;
procedure TfrmPilihBelakang.Image9Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('9d.bmp');
No_Rambut := 9;
end;
procedure TfrmPilihBelakang.Image10Click(Sender: TObject);
begin
Rambut.Picture.LoadFromFile('10d.bmp');
No_Rambut := 10;
end;
procedure TfrmPilihBelakang.PebesarClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width + 5;
    Rambut.Height := Rambut.Height + 5;
end;
procedure TfrmPilihBelakang.perkecilClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width - 5;
    Rambut.Height := Rambut.Height - 5;
end;

procedure TfrmPilihBelakang.sampingClick(Sender: TObject);
begin
    Rambut.Width := Rambut.Width - 5;
end;
procedure TfrmPilihBelakang.atasbawahClick(Sender: TObject);
begin
    Rambut.Height := Rambut.Height - 5;
end;
procedure TfrmPilihBelakang.atasClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top-3);
end;
procedure TfrmPilihBelakang.bawahClick(Sender: TObject);
begin
if (Rambut.Top>60) then (Rambut.Top:= Rambut.Top+3);
end;
procedure TfrmPilihBelakang.kananClick(Sender: TObject);
begin
if (Rambut.Left>60) then (Rambut.Left:= Rambut.Left+3);
end;
procedure TfrmPilihBelakang.kiriClick(Sender: TObject);
begin

```

```

if (Rambut.Left>60) then (Rambut.Left:= Rambut.Left-3);
end;
procedure TfrmPilihBelakang.Button10Click(Sender: TObject);
begin
Close;
end;
procedure TfrmPilihBelakang.Image11Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('hitam10d.bmp');
2 : Rambut.Picture.LoadFromFile('hitam2c.bmp');
3 : Rambut.Picture.LoadFromFile('hitam3d.bmp');
4 : Rambut.Picture.LoadFromFile('hitam4d.bmp');
5 : Rambut.Picture.LoadFromFile('hitam5d.bmp');
6 : Rambut.Picture.LoadFromFile('hitam6d.bmp');
7 : Rambut.Picture.LoadFromFile('hitam7d.bmp');
8 : Rambut.Picture.LoadFromFile('hitam8d.bmp');
9 : Rambut.Picture.LoadFromFile('hitam9d.bmp');
10 : Rambut.Picture.LoadFromFile('hitam10d.bmp');
end;
end;
procedure TfrmPilihBelakang.Image12Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('biru10d.bmp');
2 : Rambut.Picture.LoadFromFile('biru2c.bmp');
3 : Rambut.Picture.LoadFromFile('biru3d.bmp');
4 : Rambut.Picture.LoadFromFile('biru4d.bmp');
5 : Rambut.Picture.LoadFromFile('biru5d.bmp');
6 : Rambut.Picture.LoadFromFile('biru6d.bmp');
7 : Rambut.Picture.LoadFromFile('biru7d.bmp');
8 : Rambut.Picture.LoadFromFile('biru8d.bmp');
9 : Rambut.Picture.LoadFromFile('biru9d.bmp');
10 : Rambut.Picture.LoadFromFile('biru10d.bmp');
end;
end;
procedure TfrmPilihBelakang.Image13Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('hijau10d.bmp');
2 : Rambut.Picture.LoadFromFile('hijau2c.bmp');
3 : Rambut.Picture.LoadFromFile('hijau3d.bmp');
4 : Rambut.Picture.LoadFromFile('hijau4d.bmp');
5 : Rambut.Picture.LoadFromFile('hijau5d.bmp');
6 : Rambut.Picture.LoadFromFile('hijau6d.bmp');
7 : Rambut.Picture.LoadFromFile('hijau7d.bmp');
8 : Rambut.Picture.LoadFromFile('hijau8d.bmp');
9 : Rambut.Picture.LoadFromFile('hijau9d.bmp');
10 : Rambut.Picture.LoadFromFile('hijau10d.bmp');
end;
end;
procedure TfrmPilihBelakang.Image14Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('oren10d.bmp');

```

```

2 : Rambut.Picture.LoadFromFile('oren2c.bmp');
3 : Rambut.Picture.LoadFromFile('oren3d.bmp');
4 : Rambut.Picture.LoadFromFile('oren4d.bmp');
5 : Rambut.Picture.LoadFromFile('oren5d.bmp');
6 : Rambut.Picture.LoadFromFile('oren6d.bmp');
7 : Rambut.Picture.LoadFromFile('oren7d.bmp');
8 : Rambut.Picture.LoadFromFile('oren8d.bmp');
9 : Rambut.Picture.LoadFromFile('oren9d.bmp');
10 : Rambut.Picture.LoadFromFile('oren10d.bmp');
end;
end;
procedure TfrmPilihBelakang.Image15Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('pink10d.bmp');
2 : Rambut.Picture.LoadFromFile('pink2c.bmp');
3 : Rambut.Picture.LoadFromFile('pink3d.bmp');
4 : Rambut.Picture.LoadFromFile('pink4d.bmp');
5 : Rambut.Picture.LoadFromFile('pink5d.bmp');
6 : Rambut.Picture.LoadFromFile('pink6d.bmp');
7 : Rambut.Picture.LoadFromFile('pink7d.bmp');
8 : Rambut.Picture.LoadFromFile('pink8d.bmp');
9 : Rambut.Picture.LoadFromFile('pink9d.bmp');
10 : Rambut.Picture.LoadFromFile('pink10d.bmp');
end;
end;
procedure TfrmPilihBelakang.Image16Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('ungu10d.bmp');
2 : Rambut.Picture.LoadFromFile('ungu2c.bmp');
3 : Rambut.Picture.LoadFromFile('ungu3d.bmp');
4 : Rambut.Picture.LoadFromFile('ungu4d.bmp');
5 : Rambut.Picture.LoadFromFile('ungu5d.bmp');
6 : Rambut.Picture.LoadFromFile('ungu6d.bmp');
7 : Rambut.Picture.LoadFromFile('ungu7d.bmp');
8 : Rambut.Picture.LoadFromFile('ungu8d.bmp');
9 : Rambut.Picture.LoadFromFile('ungu9d.bmp');
10 : Rambut.Picture.LoadFromFile('ungu10d.bmp');
end; end;
procedure TfrmPilihBelakang.Image17Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('merah10d.bmp');
2 : Rambut.Picture.LoadFromFile('merah2c.bmp');
3 : Rambut.Picture.LoadFromFile('merah3d.bmp');
4 : Rambut.Picture.LoadFromFile('merah4d.bmp');
5 : Rambut.Picture.LoadFromFile('merah5d.bmp');
6 : Rambut.Picture.LoadFromFile('merah6d.bmp');
7 : Rambut.Picture.LoadFromFile('merah7d.bmp');
8 : Rambut.Picture.LoadFromFile('merah8d.bmp');
9 : Rambut.Picture.LoadFromFile('merah9d.bmp');
10 : Rambut.Picture.LoadFromFile('merah10d.bmp');
end; end;
procedure TfrmPilihBelakang.Image18Click(Sender: TObject);

```

```

begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('torquise10d.bmp');
2 : Rambut.Picture.LoadFromFile('torquise2c.bmp');
3 : Rambut.Picture.LoadFromFile('torquise3d.bmp');
4 : Rambut.Picture.LoadFromFile('torquise4d.bmp');
5 : Rambut.Picture.LoadFromFile('torquise5d.bmp');
6 : Rambut.Picture.LoadFromFile('torquise6d.bmp');
7 : Rambut.Picture.LoadFromFile('torquise7d.bmp');
8 : Rambut.Picture.LoadFromFile('torquise8d.bmp');
9 : Rambut.Picture.LoadFromFile('torquise9d.bmp');
10 : Rambut.Picture.LoadFromFile('torquise10d.bmp');
end; end;
procedure TfrmPilihBelakang.Image19Click(Sender: TObject);
begin
Case No_Rambut of
1 : Rambut.Picture.LoadFromFile('kuning10d.bmp');
2 : Rambut.Picture.LoadFromFile('kuning2c.bmp');
3 : Rambut.Picture.LoadFromFile('kuning3d.bmp');
4 : Rambut.Picture.LoadFromFile('kuning4d.bmp');
5 : Rambut.Picture.LoadFromFile('kuning5d.bmp');
6 : Rambut.Picture.LoadFromFile('kuning6d.bmp');
7 : Rambut.Picture.LoadFromFile('kuning7d.bmp');
8 : Rambut.Picture.LoadFromFile('kuning8d.bmp');
9 : Rambut.Picture.LoadFromFile('kuning9d.bmp');
10 : Rambut.Picture.LoadFromFile('kuning10d.bmp');
end; end;
procedure TfrmPilihBelakang.Button1Click(Sender: TObject);
begin
Rambut.Width := Rambut.Width + 5;
end;
procedure TfrmPilihBelakang.Button2Click(Sender: TObject);
begin
Rambut.Height := Rambut.height + 5;
end;
end.

```

FORM SIMPAN

```
unit SimpanFoto;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, StdCtrls, ExtCtrls;
type
  TfrmSimpan = class(TForm)
    Label1: TLabel;
    Edit1: TEdit;
    Image1: TImage;
    Button1: TButton;
    Button2: TButton;
    Label2: TLabel;
    Label3: TLabel;
    Timer1: TTimer;
    Edit2: TEdit;
    Label4: TLabel;
    procedure Button2Click(Sender: TObject);
    procedure Button1Click(Sender: TObject);
    procedure Timer1Timer(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  frmSimpan: TfrmSimpan;
  gbr1, gbr2, gbr3 : TBitmap;
  i,j,posX,posY : integer;
  nf : string;
implementation
uses PilihDepan, UModul;
{$R *.dfm}
procedure TfrmSimpan.Button2Click(Sender: TObject);
begin
  Close;
end;
procedure TfrmSimpan.Button1Click(Sender: TObject);
begin
  With dm.qData Do
    Begin
      Close;
      Sql.Clear;
      Sql.Add(Insert Into Fotoku(NAMA, JAM, TANGGAL, ID)+'
        'Values(:nm, :jm, :tg, :id));
      Prepare;
      ParamByName('nm').AsString := edit1.text;
      ParamByName('jm').AsString:= label2.Caption;
      ParamByName('tg').AsString := label3.Caption;
      ParamByName('id').AsString := edit2.text;
      ExecSql;
    end;
    dm.trDaftar.Commit;
    Edit1.Clear;
```

```

Edit2.Clear;
nf := edit1.text;
gbr1 := Tbitmap.Create;
gbr2 := Tbitmap.Create;
gbr3 := Tbitmap.Create;
gbr1.LoadFromFile('sementara.bmp');
gbr2.LoadFromFile('sementara2.bmp');
gbr3.LoadFromFile('sementara.bmp');
posX := round((frmPilihDepan.Rambut.Left-frmPilihDepan.Foto.Left));
posY := round((frmPilihDepan.Rambut.Top-frmPilihDepan.Foto.Top));
for i:=1 to gbr2.Width-1 do
begin
  for j:=1 to gbr2.Height-1 do
  begin

    if (gbr2.canvas.Pixels[i,j] <> clwhite
    then
      gbr3.Canvas.Pixels[i+posX,j+posY] := gbr2.Canvas.Pixels[i,j]
    else
      gbr3.Canvas.Pixels[i+posX,j+posY] := gbr1.Canvas.Pixels[i+posX,j+posY];
    end;
  end;
  gbr3.SaveToFile(nf+'.bmp');
  image1.Picture.LoadFromFile(nf+'.bmp');
  edit1.Clear;
end;
procedure TfrmSimpan.Timer1Timer(Sender: TObject);
begin
label2.Caption := timetostr(now);
label3.Caption:= datetostr(now);
end;
end.

```

FORM HISTORY

```
unit history;
interface
uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
  Dialogs, ExtCtrls, StdCtrls, Grids, DBGrids;
type
  TFrmHistory = class(TForm)
    Label1: TLabel;
    Label2: TLabel;
    Edit1: TEdit;
    Button1: TButton;
    Image1: TImage;
    Button2: TButton;
    OpenFileDialog1: TOpenDialog;
    DBGrid1: TDBGrid;
    hapus: TButton;
    procedure Button2Click(Sender: TObject);
    procedure Button1Click(Sender: TObject);
    procedure hapusClick(Sender: TObject);
    procedure FormActivate(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  FrmHistory: TFrmHistory;
implementation
uses UModul;
{$R *.dfm}
procedure TFrmHistory.Button2Click(Sender: TObject);
begin
  Close;
end;
procedure TFrmHistory.Button1Click(Sender: TObject);
begin
  if OpenFileDialog1.Execute then
  begin
    Edit1.Text := OpenFileDialog1.FileName;
    Image1.Picture.LoadFromFile(OpenFileDialog1.FileName);
  end;
end;
procedure TFrmHistory.hapusClick(Sender: TObject);
begin
  With dm.qProses Do
    Begin
      Close;
      Sql.Clear;
      Sql.Add('Delete From fotoku');
      Sql.Add('Where nama =:nm');
      Prepare;
      ParamByName('nm').AsString :=Edit1.Text;
      ExecSql;
    end;
```



```
dm.trDaftar.Commit;
With dm.qProses Do
  Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Nama, jam, tanggal From fotoku');
  Open;
  end;
end;
procedure TFrmHistory.FormActivate(Sender: TObject);
begin
With dm.qProses Do
Begin
Close;
  Sql.Clear;
  Sql.Add('Select Nama, jam, tanggal,ID From fotoku');
  Open;
  end;
end;
end.
```