```
Dim bDrag As Boolean
Dim ppath As String
Dim centroid2 As Long

Private Declare Function GetPixel Lib "GDI32" (ByVal hdc As Long, ByVal x As
Long, ByVal y As Long) As Long
Private Declare Function SetPixel Lib "GDI32" (ByVal hdc As Long, ByVal x As
Long, ByVal y As Long, ByVal crColor As Long) As Long
Private Declare Function GetTickCount& Lib "kernel32" ()

Option Explicit

Sub LoadPic(BackgroundPic As Control)

On Error GoTo err:
With CommonDialog1
.DialogTitle = "Silahkan Pilih Gambar"
.Filter = ”*.jpeg|*.*|*.gif|*.*|*.bmp|*.*"
.ShowOpen
End With

BackgroundPic.Picture = LoadPicture(CommonDialog1.FileName)

Arrange

Exit Sub

err:
MsgBox "Error Saat Mengambil Gambar :" & CommonDialog1.FileName
End Sub

Private Sub Check1_Click()
If Check1.Value = 0 Then
Option1.Visible = True
Option2.Visible = True
Option3.Visible = True
Option4.Visible = True
Option5.Visible = True
Option6.Visible = True
Option7.Visible = True
Option8.Visible = True
Option9.Visible = True
Option10.Visible = True
Option11.Visible = True
Option12.Visible = True
Option13.Visible = True
Option14.Visible = True
Option15.Visible = True
Option16.Visible = True
Else
```

```
Option1.Visible = False
Option2.Visible = False
Option3.Visible = False
Option4.Visible = False
Option5.Visible = False
Option6.Visible = False
Option7.Visible = False
Option8.Visible = False
Option9.Visible = False
Option10.Visible = False
Option11.Visible = False
Option12.Visible = False
Option13.Visible = False
Option14.Visible = False
Option15.Visible = False
Option16.Visible = False
End If
End Sub

Private Sub Check2_Click()
If Check2.Value = 0 Then
Text6.Enabled = False
Option1.Visible = True
Option2.Visible = True
Option3.Visible = True
Option4.Visible = True
Option5.Visible = True
Option6.Visible = True
Option7.Visible = True
Option8.Visible = True
Option9.Visible = True
Option10.Visible = True
Option11.Visible = True
Option12.Visible = True
Option13.Visible = True
Option14.Visible = True
Option15.Visible = True
Option16.Visible = True
Else
Text6.Enabled = True
Option1.Visible = False
Option2.Visible = False
Option3.Visible = False
Option4.Visible = False
Option5.Visible = False
Option6.Visible = False
Option7.Visible = False
Option8.Visible = False
Option9.Visible = False
Option10.Visible = False
```

```
Option11.Visible = False
Option12.Visible = False
Option13.Visible = False
Option14.Visible = False
Option15.Visible = False
Option16.Visible = False
End If
End Sub

Private Sub Command1_Click()
LoadPic Picture1
ppath = CommonDialog1.FileName
End Sub

Private Sub Command2_Click()

Dim x1 As Double
Dim y1 As Double
Dim z1 As Double

If Picture1.Picture = 0 Then
MsgBox "Masukan Gambar Terlebih Dahulu!!!", vbOKOnly, "Peringatan!!!"
GoTo 1
End If

   If Option17 = True And Check1.Value = 0 Then
   If Picture2.BackColor = &H8000000F And Picture3.BackColor = &H8000000F
And Picture4.BackColor = &H8000000F And Picture5.BackColor = &H8000000F
And Picture6.BackColor = &H8000000F And Picture7.BackColor = &H8000000F
And Picture8.BackColor = &H8000000F And Picture9.BackColor = &H8000000F
And Picture10.BackColor = &H8000000F And Picture11.BackColor = &H8000000F
And Picture12.BackColor = &H8000000F And Picture13.BackColor = &H8000000F
And Picture14.BackColor = &H8000000F And Picture15.BackColor = &H8000000F
And Picture16.BackColor = &H8000000F Then
   MsgBox "Pilih Warna Yang Akan Disegmentasi Terlebih Dahulu!!!" & vbCrLf &
"(Min.1 Sampai Max.16)", vbOKOnly, "Peringatan!!!"
   GoTo 1
   End If
   ElseIf Option17 = True And Check1.Value = 1 Then
   Call warna1
   Call warna2
   Call warna3
   Call warna4
   Call warna5
   Call warna6
   Call warna7
   Call warna8
   Call warna9
   Call warna10
   Call warna11
```

```
    Call warna12
    Call warna13
    Call warna14
    Call warna15
    Call warna16

    ElseIf Option18 = True And Check2.Value = 0 Then
    If Picture2.BackColor = &H8000000F And Picture3.BackColor = &H8000000F
And Picture4.BackColor = &H8000000F And Picture5.BackColor = &H8000000F
And Picture6.BackColor = &H8000000F And Picture7.BackColor = &H8000000F
And Picture8.BackColor = &H8000000F And Picture9.BackColor = &H8000000F
And Picture10.BackColor = &H8000000F And Picture11.BackColor = &H8000000F
And Picture12.BackColor = &H8000000F And Picture13.BackColor = &H8000000F
And Picture14.BackColor = &H8000000F And Picture15.BackColor = &H8000000F
And Picture16.BackColor = &H8000000F Then
    MsgBox "Pilih Warna Yang Akan Disegmentasi Terlebih Dahulu!!!" & vbCrLf &
"(Min.1 Sampai Max.16)", vbOKOnly, "Peringatan!!!"
    GoTo 1
    End If
    ElseIf Option18 = True And Check2.Value = 1 Then
    If Text6.Text = 0 Then
    MsgBox "Jumlah Cluster Minimum 1 Buah!!!", vbOKOnly, "Peringatan!!!"
    GoTo 1
    End If

   If Text6.Text = 1 Then
    Call warna1

  ElseIf Text6.Text = 2 Then
    Call warna1
    Call warna2

   ElseIf Text6.Text = 3 Then
    Call warna1
    Call warna2
    Call warna3

   ElseIf Text6.Text = 4 Then
    Call warna1
    Call warna2
    Call warna3
    Call warna4

   ElseIf Text6.Text = 5 Then
    Call warna1
    Call warna2
    Call warna3
    Call warna4
    Call warna5
```

```
ElseIf Text6.Text = 6 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6

ElseIf Text6.Text = 7 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7

ElseIf Text6.Text = 8 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8

ElseIf Text6.Text = 9 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8
 Call warna9

ElseIf Text6.Text = 10 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8
 Call warna9
 Call warna10
```

```
ElseIf Text6.Text = 11 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8
 Call warna9
 Call warna10
 Call warna11

ElseIf Text6.Text = 12 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8
 Call warna9
 Call warna10
 Call warna11
 Call warna12

ElseIf Text6.Text = 13 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8
 Call warna9
 Call warna10
 Call warna11
 Call warna12
 Call warna13

ElseIf Text6.Text = 14 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
```

```
 Call warna8
 Call warna9
 Call warna10
 Call warna11
 Call warna12
 Call warna13
 Call warna14

ElseIf Text6.Text = 15 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8
 Call warna9
 Call warna10
 Call warna11
 Call warna12
 Call warna13
 Call warna14
 Call warna15

ElseIf Text6.Text = 16 Then
 Call warna1
 Call warna2
 Call warna3
 Call warna4
 Call warna5
 Call warna6
 Call warna7
 Call warna8
 Call warna9
 Call warna10
 Call warna11
 Call warna12
 Call warna13
 Call warna14
 Call warna15
 Call warna16
 Else
 MsgBox "Jumlah Cluster Maksimum 16 Buah!!!", vbOKOnly, "Peringatan!!!"
 GoTo 1
End If

 Else
 MsgBox "Tentukan Algoritma Terlebih Dahulu!!!", vbOKOnly, "Peringatan!!!"
 GoTo 1
```

```
    End If


x1 = GetTickCount&

If Option17 = True Then
Call k_nearest
End If

If Option18 = True Then
Call k_means
End If

  Image1.Picture = Picture18.Image
  Label1.Visible = True
  Text1.Text = 1

y1 = GetTickCount&
z1 = y1 - x1

Label3.Visible = False
Label4.Visible = False
Label5.Visible = False
Label6.Visible = False
Label7.Visible = False
Label8.Visible = False
Label9.Visible = False
Label10.Visible = False
Label11.Visible = False
Label12.Visible = False
Label13.Visible = False
Label14.Visible = False
Label15.Visible = False
Label16.Visible = False
Label17.Visible = False

Text3.Text = 0
Text4.Text = 0
Text5.Text = 0

MsgBox "Dengan Waktu : " & Format(z1 / 1000, "####.##") & " Detik", vbOKOnly,
"Sukses!!!"
1:
End Sub

Private Sub Command3_Click()
If Image1.Picture = 0 Then
MsgBox "Tidak Ada Gambar Untuk Disimpan!!!", vbOKOnly, "Peringatan!!!"
GoTo 1
End If
```

```
SavePicture Image1.Picture, Left(ppath, Len(ppath) - 4) & ".bmp"
MsgBox "Gambar Disimpan Pada: " & Left(ppath, Len(ppath) - 4) & ".bmp"

1:
End Sub

Private Sub Command4_Click()
End
End Sub

Private Sub Command5_Click()
MsgBox "Karya Tugas Akhir - Segmentasi Warna" & vbCrLf & vbCrLf & "Hanri
Paskal" & vbCrLf & "0322114" & vbCrLf & "Jurusan Teknik Elektro, Fakutas
Teknik" & vbCrLf & "Universitas Kristen Maranatha" & vbCrLf & "Bandung" &
vbCrLf & "2008" & vbCrLf & vbCrLf & "slohp@yahoo.co.uk", vbOKOnly, "Data
Diri"
End Sub


Private Sub Command6_Click()

If Image1.Picture = 0 Then
MsgBox "Belum Ada Gambar Yang Disegmentasi!!!", vbOKOnly, "Peringatan!!!"
GoTo 2
End If

Text1.Text = Text1.Text + 1

1:
If Text1.Text = 1 Then
Label1.Visible = True
Image1.Picture = Picture18.Image
ElseIf Text1.Text = 2 Then
Label1.Visible = False
Image1.Picture = Picture19.Image
Label3.Visible = True
ElseIf Text1.Text = 3 Then
Label3.Visible = False
Image1.Picture = Picture20.Image
Label4.Visible = True
ElseIf Text1.Text = 4 Then
Label4.Visible = False
Image1.Picture = Picture21.Image
Label5.Visible = True
ElseIf Text1.Text = 5 Then
Label5.Visible = False
Image1.Picture = Picture22.Image
Label6.Visible = True
ElseIf Text1.Text = 6 Then
```

```
Label6.Visible = False
Image1.Picture = Picture23.Image
Label7.Visible = True
ElseIf Text1.Text = 7 Then
Label7.Visible = False
Image1.Picture = Picture24.Image
Label8.Visible = True
ElseIf Text1.Text = 8 Then
Label8.Visible = False
Image1.Picture = Picture25.Image
Label9.Visible = True
ElseIf Text1.Text = 9 Then
Label9.Visible = False
Image1.Picture = Picture26.Image
Label10.Visible = True
ElseIf Text1.Text = 10 Then
Label10.Visible = False
Image1.Picture = Picture27.Image
Label11.Visible = True
ElseIf Text1.Text = 11 Then
Label11.Visible = False
Image1.Picture = Picture28.Image
Label12.Visible = True
ElseIf Text1.Text = 12 Then
Label12.Visible = False
Image1.Picture = Picture29.Image
Label13.Visible = True
ElseIf Text1.Text = 13 Then
Label13.Visible = False
Image1.Picture = Picture30.Image
Label14.Visible = True
ElseIf Text1.Text = 14 Then
Label14.Visible = False
Image1.Picture = Picture31.Image
Label15.Visible = True
ElseIf Text1.Text = 15 Then
Label15.Visible = False
Image1.Picture = Picture32.Image
Label16.Visible = True
ElseIf Text1.Text = 16 Then
Label16.Visible = False
Image1.Picture = Picture33.Image
Label17.Visible = True
Else
Label17.Visible = False
Text1.Text = 1
GoTo 1
End If

Text3.Text = 0
```

```
Text4.Text = 0
Text5.Text = 0
2:
End Sub

Private Sub Command7_Click()

If Image1.Picture = 0 Then
MsgBox "Belum Ada Gambar Yang Disegmentasi!!!", vbOKOnly, "Peringatan!!!"
GoTo 1
End If

Text1.Text = Text1.Text - 1

2:
If Text1.Text = 16 Then
Label16.Visible = False
Image1.Picture = Picture33.Image
Label17.Visible = True
ElseIf Text1.Text = 15 Then
Label17.Visible = False
Image1.Picture = Picture32.Image
Label16.Visible = True
ElseIf Text1.Text = 14 Then
Label16.Visible = False
Image1.Picture = Picture31.Image
Label15.Visible = True
ElseIf Text1.Text = 13 Then
Label15.Visible = False
Image1.Picture = Picture30.Image
Label14.Visible = True
ElseIf Text1.Text = 12 Then
Label14.Visible = False
Image1.Picture = Picture29.Image
Label13.Visible = True
ElseIf Text1.Text = 11 Then
Label13.Visible = False
Image1.Picture = Picture28.Image
Label12.Visible = True
ElseIf Text1.Text = 10 Then
Label12.Visible = False
Image1.Picture = Picture27.Image
Label11.Visible = True
ElseIf Text1.Text = 9 Then
Label11.Visible = False
Image1.Picture = Picture26.Image
Label10.Visible = True
ElseIf Text1.Text = 8 Then
Label10.Visible = False
Image1.Picture = Picture25.Image
```

```
Label9.Visible = True
ElseIf Text1.Text = 7 Then
Label9.Visible = False
Image1.Picture = Picture24.Image
Label8.Visible = True
ElseIf Text1.Text = 6 Then
Label8.Visible = False
Image1.Picture = Picture23.Image
Label7.Visible = True
ElseIf Text1.Text = 5 Then
Label7.Visible = False
Image1.Picture = Picture22.Image
Label6.Visible = True
ElseIf Text1.Text = 4 Then
Label6.Visible = False
Image1.Picture = Picture21.Image
Label5.Visible = True
ElseIf Text1.Text = 3 Then
Label5.Visible = False
Image1.Picture = Picture20.Image
Label4.Visible = True
ElseIf Text1.Text = 2 Then
Label4.Visible = False
Image1.Picture = Picture19.Image
Label3.Visible = True
ElseIf Text1.Text = 1 Then
Label3.Visible = False
Image1.Picture = Picture18.Image
Label1.Visible = True
Else
Label1.Visible = False
Text1.Text = 16
GoTo 2
End If

Text3.Text = 0
Text4.Text = 0
Text5.Text = 0
1:
End Sub


Private Sub Command9_Click()
Picture2.BackColor = &H8000000F
Picture3.BackColor = &H8000000F
Picture4.BackColor = &H8000000F
Picture5.BackColor = &H8000000F
Picture6.BackColor = &H8000000F
Picture7.BackColor = &H8000000F
Picture8.BackColor = &H8000000F
```

```
Picture9.BackColor = &H8000000F
Picture10.BackColor = &H8000000F
Picture11.BackColor = &H8000000F
Picture12.BackColor = &H8000000F
Picture13.BackColor = &H8000000F
Picture14.BackColor = &H8000000F
Picture15.BackColor = &H8000000F
Picture16.BackColor = &H8000000F
Picture17.BackColor = &H8000000F
Text2.Text = 0
End Sub

Private Sub Form_Load()

Arrange

    Label20.Visible = False
    Text6.Visible = False
    Text6.Enabled = False
End Sub

Sub Arrange()
Picture18.Move Picture1.Left + Picture1.Width + 20, Picture1.Top, Picture1.Width,
Picture1.Height
Picture19.Move Picture18.Left + Picture18.Width + 20, Picture18.Top,
Picture1.Width, Picture1.Height
Picture20.Move Picture19.Left + Picture19.Width + 20, Picture19.Top,
Picture1.Width, Picture1.Height
Picture21.Move Picture20.Left + Picture20.Width + 20, Picture20.Top,
Picture1.Width, Picture1.Height
Picture22.Move Picture21.Left + Picture21.Width + 20, Picture21.Top,
Picture1.Width, Picture1.Height
Picture23.Move Picture22.Left + Picture22.Width + 20, Picture22.Top,
Picture1.Width, Picture1.Height
Picture24.Move Picture23.Left + Picture23.Width + 20, Picture23.Top,
Picture1.Width, Picture1.Height
Picture25.Move Picture24.Left + Picture24.Width + 20, Picture24.Top,
Picture1.Width, Picture1.Height
Picture26.Move Picture25.Left + Picture25.Width + 20, Picture25.Top,
Picture1.Width, Picture1.Height
Picture27.Move Picture26.Left + Picture26.Width + 20, Picture26.Top,
Picture1.Width, Picture1.Height
Picture28.Move Picture27.Left + Picture27.Width + 20, Picture27.Top,
Picture1.Width, Picture1.Height
Picture29.Move Picture28.Left + Picture28.Width + 20, Picture28.Top,
Picture1.Width, Picture1.Height
Picture30.Move Picture29.Left + Picture29.Width + 20, Picture29.Top,
Picture1.Width, Picture1.Height
Picture31.Move Picture30.Left + Picture30.Width + 20, Picture30.Top,
Picture1.Width, Picture1.Height
```

```
Picture32.Move Picture31.Left + Picture31.Width + 20, Picture31.Top,
Picture1.Width, Picture1.Height
Picture33.Move Picture32.Left + Picture32.Width + 20, Picture32.Top,
Picture1.Width, Picture1.Height

End Sub



Private Sub Option17_Click()
Label20.Visible = False
Text6.Visible = False
Text6.Enabled = False
Check1.Visible = True
Check2.Visible = False
Label21.Visible = True
Option1.Visible = True
Option2.Visible = True
Option3.Visible = True
Option4.Visible = True
Option5.Visible = True
Option6.Visible = True
Option7.Visible = True
Option8.Visible = True
Option9.Visible = True
Option10.Visible = True
Option11.Visible = True
Option12.Visible = True
Option13.Visible = True
Option14.Visible = True
Option15.Visible = True
Option16.Visible = True
If Option17 = True And Check1.Value = 1 Then
Option1.Visible = False
Option2.Visible = False
Option3.Visible = False
Option4.Visible = False
Option5.Visible = False
Option6.Visible = False
Option7.Visible = False
Option8.Visible = False
Option9.Visible = False
Option10.Visible = False
Option11.Visible = False
Option12.Visible = False
Option13.Visible = False
Option14.Visible = False
Option15.Visible = False
Option16.Visible = False
End If
```

```
End Sub

Private Sub Option18_Click()
Label20.Visible = True
Text6.Visible = True
Text6.Enabled = False
Check2.Visible = True
Check1.Visible = False
Label21.Visible = False
Option1.Visible = True
Option2.Visible = True
Option3.Visible = True
Option4.Visible = True
Option5.Visible = True
Option6.Visible = True
Option7.Visible = True
Option8.Visible = True
Option9.Visible = True
Option10.Visible = True
Option11.Visible = True
Option12.Visible = True
Option13.Visible = True
Option14.Visible = True
Option15.Visible = True
Option16.Visible = True
If Option18 = True And Check2.Value = 1 Then
Option1.Visible = False
Option2.Visible = False
Option3.Visible = False
Option4.Visible = False
Option5.Visible = False
Option6.Visible = False
Option7.Visible = False
Option8.Visible = False
Option9.Visible = False
Option10.Visible = False
Option11.Visible = False
Option12.Visible = False
Option13.Visible = False
Option14.Visible = False
Option15.Visible = False
Option16.Visible = False
End If
End Sub

Private Sub Picture1_MouseDown(Button As Integer, Shift As Integer, x As Single, y
As Single)

bDrag = True
```

```
End Sub

Private Sub Picture1_MouseMove(Button As Integer, Shift As Integer, x As Single, y
As Single)
On Error Resume Next
If Option1 = True Then
If bDrag Then Picture2.BackColor = Picture1.Point(x, y)
End If
If Option2 = True Then
If bDrag Then Picture3.BackColor = Picture1.Point(x, y)
End If
If Option3 = True Then
If bDrag Then Picture4.BackColor = Picture1.Point(x, y)
End If
If Option4 = True Then
If bDrag Then Picture5.BackColor = Picture1.Point(x, y)
End If
If Option5 = True Then
If bDrag Then Picture6.BackColor = Picture1.Point(x, y)
End If
If Option6 = True Then
If bDrag Then Picture7.BackColor = Picture1.Point(x, y)
End If
If Option7 = True Then
If bDrag Then Picture8.BackColor = Picture1.Point(x, y)
End If
If Option8 = True Then
If bDrag Then Picture9.BackColor = Picture1.Point(x, y)
End If
If Option9 = True Then
If bDrag Then Picture10.BackColor = Picture1.Point(x, y)
End If
If Option10 = True Then
If bDrag Then Picture11.BackColor = Picture1.Point(x, y)
End If
If Option11 = True Then
If bDrag Then Picture12.BackColor = Picture1.Point(x, y)
End If
If Option12 = True Then
If bDrag Then Picture13.BackColor = Picture1.Point(x, y)
End If
If Option13 = True Then
If bDrag Then Picture14.BackColor = Picture1.Point(x, y)
End If
If Option14 = True Then
If bDrag Then Picture15.BackColor = Picture1.Point(x, y)
End If
If Option15 = True Then
If bDrag Then Picture16.BackColor = Picture1.Point(x, y)
```

```
End If
If Option16 = True Then
If bDrag Then Picture17.BackColor = Picture1.Point(x, y)
End If
End Sub

Private Sub Picture1_MouseUp(Button As Integer, Shift As Integer, x As Single, y As
Single)
bDrag = False
End Sub


Private Sub warna1()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

      For i = 0 To Picture1.Width Step 15
      For j = 0 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int(warna And RGB(0, 255, 0) / 256)
        B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture2.BackColor = warna And RGB(R, G, B)
If Picture2.BackColor <> &H8000000F Then
GoTo 1
End If

  Next j

  Next i
1:
End Sub
Private Sub warna2()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

      For i = 0 To Picture1.Width Step 15
      For j = 0 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)
```

```
          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture3.BackColor = warna And RGB(R, G, B)
If Picture3.BackColor <> Picture2.BackColor Then
GoTo 1
End If

  Next j

  Next i
1:
End Sub

Private Sub warna3()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture4.BackColor = warna And RGB(R, G, B)
If Picture4.BackColor <> Picture2.BackColor And Picture4.BackColor <>
Picture3.BackColor Then
GoTo 1
End If

  Next j

  Next i
1:
End Sub
Private Sub warna4()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
```

```
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture5.BackColor = warna And RGB(R, G, B)
If Picture5.BackColor <> Picture2.BackColor And Picture5.BackColor <>
Picture3.BackColor And Picture5.BackColor <> Picture4.BackColor Then
GoTo 1
End If

   Next j

   Next i
1:
End Sub
Private Sub warna5()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture6.BackColor = warna And RGB(R, G, B)
If Picture6.BackColor <> Picture2.BackColor And Picture6.BackColor <>
Picture3.BackColor And Picture6.BackColor <> Picture4.BackColor And
Picture6.BackColor <> Picture5.BackColor Then
GoTo 1
End If

   Next j

   Next i
1:
End Sub

Private Sub warna6()
Dim i As Integer, j As Integer
```

```
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture7.BackColor = warna And RGB(R, G, B)
If Picture7.BackColor <> Picture2.BackColor And Picture7.BackColor <>
Picture3.BackColor And Picture7.BackColor <> Picture4.BackColor And
Picture7.BackColor <> Picture5.BackColor And Picture7.BackColor <>
Picture6.BackColor Then
GoTo 1
End If

   Next j

   Next i
1:
End Sub

Private Sub warna7()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture8.BackColor = warna And RGB(R, G, B)
If Picture8.BackColor <> Picture2.BackColor And Picture8.BackColor <>
Picture3.BackColor And Picture8.BackColor <> Picture4.BackColor And
Picture8.BackColor <> Picture5.BackColor And Picture8.BackColor <>
Picture6.BackColor And Picture8.BackColor <> Picture7.BackColor Then
GoTo 1
```

```
End If

   Next j

   Next i
1:
End Sub

Private Sub warna8()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

         For i = 0 To Picture1.Width Step 15
         For j = 0 To Picture1.Height Step 15

         warna = Picture1.Point(i, j)

           R = warna And RGB(255, 0, 0)
           G = Int(warna And RGB(0, 255, 0) / 256)
           B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture9.BackColor = warna And RGB(R, G, B)
If Picture9.BackColor <> Picture2.BackColor And Picture9.BackColor <>
Picture3.BackColor And Picture9.BackColor <> Picture4.BackColor And
Picture9.BackColor <> Picture5.BackColor And Picture9.BackColor <>
Picture6.BackColor And Picture9.BackColor <> Picture7.BackColor And
Picture9.BackColor <> Picture8.BackColor Then
GoTo 1
End If

   Next j

   Next i
1:
End Sub

Private Sub warna9()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

         For i = 0 To Picture1.Width Step 15
         For j = 0 To Picture1.Height Step 15

         warna = Picture1.Point(i, j)
```

```
        R = warna And RGB(255, 0, 0)
        G = Int(warna And RGB(0, 255, 0) / 256)
        B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture10.BackColor = warna And RGB(R, G, B)
If Picture10.BackColor <> Picture2.BackColor And Picture10.BackColor <>
Picture3.BackColor And Picture10.BackColor <> Picture4.BackColor And
Picture10.BackColor <> Picture5.BackColor And Picture10.BackColor <>
Picture6.BackColor And Picture10.BackColor <> Picture7.BackColor And
Picture10.BackColor <> Picture8.BackColor And Picture10.BackColor <>
Picture9.BackColor Then
GoTo 1
End If

  Next j

  Next i
1:
End Sub

Private Sub warna10()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

      For i = 0 To Picture1.Width Step 15
      For j = 0 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int(warna And RGB(0, 255, 0) / 256)
        B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture11.BackColor = warna And RGB(R, G, B)
If Picture11.BackColor <> Picture2.BackColor And Picture11.BackColor <>
Picture3.BackColor And Picture11.BackColor <> Picture4.BackColor And
Picture11.BackColor <> Picture5.BackColor And Picture11.BackColor <>
Picture6.BackColor And Picture11.BackColor <> Picture7.BackColor And
Picture11.BackColor <> Picture8.BackColor And Picture11.BackColor <>
Picture9.BackColor And Picture11.BackColor <> Picture10.BackColor Then
GoTo 1
End If

  Next j

  Next i
```

```
1:
End Sub

Private Sub warna11()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture12.BackColor = warna And RGB(R, G, B)
If Picture12.BackColor <> Picture2.BackColor And Picture12.BackColor <>
Picture3.BackColor And Picture12.BackColor <> Picture4.BackColor And
Picture12.BackColor <> Picture5.BackColor And Picture12.BackColor <>
Picture6.BackColor And Picture12.BackColor <> Picture7.BackColor And
Picture12.BackColor <> Picture8.BackColor And Picture12.BackColor <>
Picture9.BackColor And Picture12.BackColor <> Picture10.BackColor And
Picture12.BackColor <> Picture11.BackColor Then
GoTo 1
End If

   Next j

   Next i
1:
End Sub

Private Sub warna12()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
```

```
        B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture13.BackColor = warna And RGB(R, G, B)
If Picture13.BackColor <> Picture2.BackColor And Picture13.BackColor <>
Picture3.BackColor And Picture13.BackColor <> Picture4.BackColor And
Picture13.BackColor <> Picture5.BackColor And Picture13.BackColor <>
Picture6.BackColor And Picture13.BackColor <> Picture7.BackColor And
Picture13.BackColor <> Picture8.BackColor And Picture13.BackColor <>
Picture9.BackColor And Picture13.BackColor <> Picture10.BackColor And
Picture13.BackColor <> Picture11.BackColor And Picture13.BackColor <>
Picture12.BackColor Then
GoTo 1
End If

  Next j

  Next i
1:
End Sub

Private Sub warna13()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

      For i = 0 To Picture1.Width Step 15
      For j = 0 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int(warna And RGB(0, 255, 0) / 256)
        B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture14.BackColor = warna And RGB(R, G, B)
If Picture14.BackColor <> Picture2.BackColor And Picture14.BackColor <>
Picture3.BackColor And Picture14.BackColor <> Picture4.BackColor And
Picture14.BackColor <> Picture5.BackColor And Picture14.BackColor <>
Picture6.BackColor And Picture14.BackColor <> Picture7.BackColor And
Picture14.BackColor <> Picture8.BackColor And Picture14.BackColor <>
Picture9.BackColor And Picture14.BackColor <> Picture10.BackColor And
Picture14.BackColor <> Picture11.BackColor And Picture14.BackColor <>
Picture12.BackColor And Picture14.BackColor <> Picture13.BackColor Then
GoTo 1
End If

  Next j
```

```
   Next i
1:
End Sub

Private Sub warna14()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

         For i = 0 To Picture1.Width Step 15
         For j = 0 To Picture1.Height Step 15

         warna = Picture1.Point(i, j)

           R = warna And RGB(255, 0, 0)
           G = Int(warna And RGB(0, 255, 0) / 256)
           B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture15.BackColor = warna And RGB(R, G, B)
If Picture15.BackColor <> Picture2.BackColor And Picture15.BackColor <>
Picture3.BackColor And Picture15.BackColor <> Picture4.BackColor And
Picture15.BackColor <> Picture5.BackColor And Picture15.BackColor <>
Picture6.BackColor And Picture15.BackColor <> Picture7.BackColor And
Picture15.BackColor <> Picture8.BackColor And Picture15.BackColor <>
Picture9.BackColor And Picture15.BackColor <> Picture10.BackColor And
Picture15.BackColor <> Picture11.BackColor And Picture15.BackColor <>
Picture12.BackColor And Picture15.BackColor <> Picture13.BackColor And
Picture15.BackColor <> Picture14.BackColor Then
GoTo 1
End If

   Next j

   Next i
1:
End Sub

Private Sub warna15()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

         For i = 0 To Picture1.Width Step 15
         For j = 0 To Picture1.Height Step 15

         warna = Picture1.Point(i, j)
```

```
          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture16.BackColor = warna And RGB(R, G, B)
If Picture16.BackColor <> Picture2.BackColor And Picture16.BackColor <>
Picture3.BackColor And Picture16.BackColor <> Picture4.BackColor And
Picture16.BackColor <> Picture5.BackColor And Picture16.BackColor <>
Picture6.BackColor And Picture16.BackColor <> Picture7.BackColor And
Picture16.BackColor <> Picture8.BackColor And Picture16.BackColor <>
Picture9.BackColor And Picture16.BackColor <> Picture10.BackColor And
Picture16.BackColor <> Picture11.BackColor And Picture16.BackColor <>
Picture12.BackColor And Picture16.BackColor <> Picture13.BackColor And
Picture16.BackColor <> Picture14.BackColor And Picture16.BackColor <>
Picture15.BackColor Then
GoTo 1
End If

  Next j

  Next i
1:
End Sub

Private Sub warna16()
Dim i As Integer, j As Integer
Dim warna As String
Dim R As Integer
Dim G As Integer
Dim B As Integer

        For i = 0 To Picture1.Width Step 15
        For j = 0 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

          R = warna And RGB(255, 0, 0)
          G = Int(warna And RGB(0, 255, 0) / 256)
          B = Int(Int(warna And RGB(0, 0, 255) / 256) / 256)

Picture17.BackColor = warna And RGB(R, G, B)
If Picture17.BackColor <> Picture2.BackColor And Picture17.BackColor <>
Picture3.BackColor And Picture17.BackColor <> Picture4.BackColor And
Picture17.BackColor <> Picture5.BackColor And Picture17.BackColor <>
Picture6.BackColor And Picture17.BackColor <> Picture7.BackColor And
Picture17.BackColor <> Picture8.BackColor And Picture17.BackColor <>
Picture9.BackColor And Picture17.BackColor <> Picture10.BackColor And
Picture17.BackColor <> Picture11.BackColor And Picture17.BackColor <>
Picture12.BackColor And Picture17.BackColor <> Picture13.BackColor And
```

```
Picture17.BackColor <> Picture14.BackColor And Picture17.BackColor <>
Picture15.BackColor And Picture17.BackColor <> Picture16.BackColor Then
GoTo 1
End If

  Next j

  Next i
1:
End Sub

Private Sub Command8_Click()
Dim x1 As Double
Dim y1 As Double
Dim z1 As Double

If Picture1.Picture = 0 Then
MsgBox "Tidak Ada Gambar Untuk Dihitung!!!", vbOKOnly, "Peringatan!!!"
GoTo 1
End If

If Text1.Text = 0 Then
MsgBox "Tidak Ada Gambar Untuk Dibandingkan!!!", vbOKOnly, "Peringatan!!!"
GoTo 1
End If

x1 = GetTickCount&
If Text1.Text = 1 Then
Call Hitung1
ElseIf Text1.Text = 2 Then
Call Hitung2
ElseIf Text1.Text = 3 Then
Call Hitung3
ElseIf Text1.Text = 4 Then
Call Hitung4
ElseIf Text1.Text = 5 Then
Call Hitung5
ElseIf Text1.Text = 6 Then
Call Hitung6
ElseIf Text1.Text = 7 Then
Call Hitung7
ElseIf Text1.Text = 8 Then
Call Hitung8
ElseIf Text1.Text = 9 Then
Call Hitung9
ElseIf Text1.Text = 10 Then
Call Hitung10
ElseIf Text1.Text = 11 Then
Call Hitung11
ElseIf Text1.Text = 12 Then
```

```
Call Hitung12
ElseIf Text1.Text = 13 Then
Call Hitung13
ElseIf Text1.Text = 14 Then
Call Hitung14
ElseIf Text1.Text = 15 Then
Call Hitung15
ElseIf Text1.Text = 16 Then
Call Hitung16
End If
y1 = GetTickCount&
z1 = y1 - x1
MsgBox "Dengan Waktu : " & Format(z1 / 1000, "####.##") & " Detik", vbOKOnly,
"Sukses!!!"
1:
End Sub

Private Sub Hitung1a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture2.BackColor Then
      x = x + 1
      Text3.Text = x
      End If

      Next j
      Next i

  End Sub

Private Sub Hitung1b()
Dim i As Integer
Dim j As Integer
```

```
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture18.Width Step 15
    For j = 1 To Picture18.Height Step 15

      warna = Picture18.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture2.BackColor Then
      x = x + 1
      Text4.Text = x
      End If

      Next j
      Next i


End Sub

Private Sub Hitung1()
Call Hitung1a
Call Hitung1b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub

Private Sub Hitung2a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

      R = warna And RGB(255, 0, 0)
```

```
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture3.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

  End Sub

  Private Sub Hitung2b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
      For i = 1 To Picture19.Width Step 15
      For j = 1 To Picture19.Height Step 15

        warna = Picture19.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture3.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung2()
Call Hitung2a
Call Hitung2b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
```

```
Private Sub Hitung3a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture4.BackColor Then
      x = x + 1
      Text3.Text = x
      End If

      Next j
      Next i

  End Sub

Private Sub Hitung3b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture20.Width Step 15
    For j = 1 To Picture20.Height Step 15

      warna = Picture20.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
```

```
        If Picture34.BackColor = Picture4.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung3()
Call Hitung3a
Call Hitung3b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub

Private Sub Hitung4a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
     For i = 1 To Picture1.Width Step 15
     For j = 1 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture5.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

  End Sub

  Private Sub Hitung4b()
Dim i As Integer
Dim j As Integer
```

```
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture21.Width Step 15
    For j = 1 To Picture21.Height Step 15

      warna = Picture21.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture5.BackColor Then
      x = x + 1
      Text4.Text = x
      End If

      Next j
      Next i


End Sub

Private Sub Hitung4()
Call Hitung4a
Call Hitung4b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub

Private Sub Hitung5a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

      R = warna And RGB(255, 0, 0)
```

```
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture6.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

   End Sub

Private Sub Hitung5b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
      For i = 1 To Picture22.Width Step 15
      For j = 1 To Picture22.Height Step 15

        warna = Picture22.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture6.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung5()
Call Hitung5a
Call Hitung5b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
```

```
Private Sub Hitung6a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture7.BackColor Then
      x = x + 1
      Text3.Text = x
      End If

      Next j
      Next i

  End Sub

  Private Sub Hitung6b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture23.Width Step 15
    For j = 1 To Picture23.Height Step 15

      warna = Picture23.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)
```

```
        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture7.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung6()
Call Hitung6a
Call Hitung6b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
Private Sub Hitung7a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
      For i = 1 To Picture1.Width Step 15
      For j = 1 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture8.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

   End Sub

   Private Sub Hitung7b()
Dim i As Integer
Dim j As Integer
```

```
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture24.Width Step 15
    For j = 1 To Picture24.Height Step 15

        warna = Picture24.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture8.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung7()
Call Hitung7a
Call Hitung7b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub

Private Sub Hitung8a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
```

```
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture9.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

  End Sub

  Private Sub Hitung8b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
      For i = 1 To Picture25.Width Step 15
      For j = 1 To Picture25.Height Step 15

        warna = Picture25.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture9.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung8()
Call Hitung8a
Call Hitung8b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
```

```
Private Sub Hitung9a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture10.BackColor Then
      x = x + 1
      Text3.Text = x
      End If

      Next j
      Next i

  End Sub

  Private Sub Hitung9b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture26.Width Step 15
    For j = 1 To Picture26.Height Step 15

      warna = Picture26.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)
```

```
            Picture34.BackColor = warna And RGB(R, G, B)
            If Picture34.BackColor = Picture10.BackColor Then
            x = x + 1
            Text4.Text = x
            End If

            Next j
            Next i


End Sub

Private Sub Hitung9()
Call Hitung9a
Call Hitung9b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub

Private Sub Hitung10a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
        For i = 1 To Picture1.Width Step 15
        For j = 1 To Picture1.Height Step 15

            warna = Picture1.Point(i, j)

            R = warna And RGB(255, 0, 0)
            G = Int((warna And RGB(0, 255, 0)) / 256)
            B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

            Picture34.BackColor = warna And RGB(R, G, B)
            If Picture34.BackColor = Picture11.BackColor Then
            x = x + 1
            Text3.Text = x
            End If

            Next j
            Next i

    End Sub

    Private Sub Hitung10b()
Dim i As Integer
```

```
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture27.Width Step 15
    For j = 1 To Picture27.Height Step 15

      warna = Picture27.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture11.BackColor Then
      x = x + 1
      Text4.Text = x
      End If

      Next j
      Next i


End Sub

Private Sub Hitung10()
Call Hitung10a
Call Hitung10b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub

Private Sub Hitung11a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)
```

```
        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture12.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

  End Sub

Private Sub Hitung11b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
     For i = 1 To Picture28.Width Step 15
     For j = 1 To Picture28.Height Step 15

        warna = Picture28.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture12.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung11()
Call Hitung11a
Call Hitung11b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
```

```
End Sub

Private Sub Hitung12a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
        For i = 1 To Picture1.Width Step 15
        For j = 1 To Picture1.Height Step 15

            warna = Picture1.Point(i, j)

            R = warna And RGB(255, 0, 0)
            G = Int((warna And RGB(0, 255, 0)) / 256)
            B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

            Picture34.BackColor = warna And RGB(R, G, B)
            If Picture34.BackColor = Picture13.BackColor Then
            x = x + 1
            Text3.Text = x
            End If

            Next j
            Next i

    End Sub

    Private Sub Hitung12b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
        For i = 1 To Picture29.Width Step 15
        For j = 1 To Picture29.Height Step 15

            warna = Picture29.Point(i, j)

            R = warna And RGB(255, 0, 0)
            G = Int((warna And RGB(0, 255, 0)) / 256)
            B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)
```

```
        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture13.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung12()
Call Hitung12a
Call Hitung12b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
Private Sub Hitung13a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture14.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

  End Sub

Private Sub Hitung13b()
Dim i As Integer
```

```
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture30.Width Step 15
    For j = 1 To Picture30.Height Step 15

      warna = Picture30.Point(i, j)

      R = warna And RGB(255, 0, 0)
      G = Int((warna And RGB(0, 255, 0)) / 256)
      B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

      Picture34.BackColor = warna And RGB(R, G, B)
      If Picture34.BackColor = Picture14.BackColor Then
      x = x + 1
      Text4.Text = x
      End If

      Next j
      Next i


End Sub

Private Sub Hitung13()
Call Hitung13a
Call Hitung13b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
Private Sub Hitung14a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

      warna = Picture1.Point(i, j)

      R = warna And RGB(255, 0, 0)
```

```
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture15.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

  End Sub

Private Sub Hitung14b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
     For i = 1 To Picture31.Width Step 15
     For j = 1 To Picture31.Height Step 15

        warna = Picture31.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture15.BackColor Then
        x = x + 1
        Text4.Text = x
        End If

        Next j
        Next i


End Sub

Private Sub Hitung14()
Call Hitung14a
Call Hitung14b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
```

```
Private Sub Hitung15a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture1.Width Step 15
    For j = 1 To Picture1.Height Step 15

        warna = Picture1.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

        Picture34.BackColor = warna And RGB(R, G, B)
        If Picture34.BackColor = Picture16.BackColor Then
        x = x + 1
        Text3.Text = x
        End If

        Next j
        Next i

  End Sub

Private Sub Hitung15b()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
    For i = 1 To Picture32.Width Step 15
    For j = 1 To Picture32.Height Step 15

        warna = Picture32.Point(i, j)

        R = warna And RGB(255, 0, 0)
        G = Int((warna And RGB(0, 255, 0)) / 256)
        B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)
```

```
            Picture34.BackColor = warna And RGB(R, G, B)
            If Picture34.BackColor = Picture16.BackColor Then
            x = x + 1
            Text4.Text = x
            End If

            Next j
            Next i


End Sub

Private Sub Hitung15()
Call Hitung15a
Call Hitung15b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub
Private Sub Hitung16a()
Dim i As Integer
Dim j As Integer
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
        For i = 1 To Picture1.Width Step 15
        For j = 1 To Picture1.Height Step 15

            warna = Picture1.Point(i, j)

            R = warna And RGB(255, 0, 0)
            G = Int((warna And RGB(0, 255, 0)) / 256)
            B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

            Picture34.BackColor = warna And RGB(R, G, B)
            If Picture34.BackColor = Picture17.BackColor Then
            x = x + 1
            Text3.Text = x
            End If

            Next j
            Next i

    End Sub

    Private Sub Hitung16b()
Dim i As Integer
Dim j As Integer
```

```
Dim x As Long
Dim y As Integer
Dim z As Integer
Dim R As Integer
Dim G As Integer
Dim B As Integer
Dim warna As String
        For i = 1 To Picture33.Width Step 15
        For j = 1 To Picture33.Height Step 15

            warna = Picture33.Point(i, j)

            R = warna And RGB(255, 0, 0)
            G = Int((warna And RGB(0, 255, 0)) / 256)
            B = Int(Int((warna And RGB(0, 0, 255)) / 256) / 256)

            Picture34.BackColor = warna And RGB(R, G, B)
            If Picture34.BackColor = Picture17.BackColor Then
            x = x + 1
            Text4.Text = x
            End If

            Next j
            Next i


End Sub

Private Sub Hitung16()
Call Hitung16a
Call Hitung16b
Text5.Text = ((Abs(Text3 - Text4)) / Text3) * 100
End Sub

Private Sub k_nearest()
Dim i As Integer, j As Integer
Dim R As Integer, G As Integer, B As Integer
Dim R2 As Integer, G2 As Integer, B2 As Integer
Dim c As Long, c2 As Long
Dim t As Integer

t = 30

ProgressBar1.Value = 0
If Picture2.BackColor <> &H8000000F Then
Text2.Text = 1
Picture18.Cls
   For i = 0 To Picture1.ScaleWidth
       For j = 0 To Picture1.ScaleHeight
```

```
        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture2.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then
          SetPixel Picture18.hdc, i, j, Picture2.BackColor
        Else
          SetPixel Picture18.hdc, i, j, vbBlack
        End If

      Next j

  Next i
  End If

  ProgressBar1.Value = 6.25

  If Picture3.BackColor <> &H8000000F Then
  Text2.Text = 2
Picture19.Cls
 Picture19.DrawWidth = 1
  For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture3.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then
          SetPixel Picture19.hdc, i, j, Picture3.BackColor
        Else
          SetPixel Picture19.hdc, i, j, vbBlack
        End If
```

```
        Next j

    Next i
    End If

    ProgressBar1.Value = 12.5

    If Picture4.BackColor <> &H8000000F Then
    Text2.Text = 3
Picture20.Cls
    For i = 0 To Picture1.ScaleWidth
        For j = 0 To Picture1.ScaleHeight

            c = GetPixel(Picture1.hdc, i, j)

            R = c Mod 256
            G = (c \ 256) Mod 256
            B = (c \ 256 \ 256) Mod 256

            c2 = Picture4.BackColor

            R2 = c2 Mod 256
            G2 = (c2 \ 256) Mod 256
            B2 = (c2 \ 256 \ 256) Mod 256

            If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

               SetPixel Picture20.hdc, i, j, Picture4.BackColor

            Else
               SetPixel Picture20.hdc, i, j, vbBlack
            End If

        Next j

    Next i
    End If

    ProgressBar1.Value = 18.75

    If Picture5.BackColor <> &H8000000F Then
    Text2.Text = 4
Picture21.Cls
    For i = 0 To Picture1.ScaleWidth
        For j = 0 To Picture1.ScaleHeight

            c = GetPixel(Picture1.hdc, i, j)

            R = c Mod 256
            G = (c \ 256) Mod 256
```

```
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture5.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture21.hdc, i, j, Picture5.BackColor

        Else
          SetPixel Picture21.hdc, i, j, vbBlack
        End If

      Next j

  Next i
  End If

  ProgressBar1.Value = 25

  If Picture6.BackColor <> &H8000000F Then
  Text2.Text = 5
Picture22.Cls
  For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture6.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture22.hdc, i, j, Picture6.BackColor

        Else
          SetPixel Picture22.hdc, i, j, vbBlack
        End If

      Next j
```

```
  Next i
  End If

  ProgressBar1.Value = 31.25

  If Picture7.BackColor <> &H8000000F Then
  Text2.Text = 6
Picture23.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture7.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture23.hdc, i, j, Picture7.BackColor

        Else
          SetPixel Picture23.hdc, i, j, vbBlack
        End If

     Next j

  Next i
  End If

  ProgressBar1.Value = 37.5

  If Picture8.BackColor <> &H8000000F Then
  Text2.Text = 7
 Picture24.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256
```

```
        c2 = Picture8.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture24.hdc, i, j, Picture8.BackColor

        Else
          SetPixel Picture24.hdc, i, j, vbBlack
        End If

     Next j

  Next i
  End If

  ProgressBar1.Value = 43.75

  If Picture9.BackColor <> &H8000000F Then
  Text2.Text = 8
Picture25.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture9.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture25.hdc, i, j, Picture9.BackColor

        Else
          SetPixel Picture25.hdc, i, j, vbBlack
        End If

     Next j
```

```
  Next i
  End If

  ProgressBar1.Value = 50

  If Picture10.BackColor <> &H8000000F Then
  Text2.Text = 9
Picture26.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture10.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

           SetPixel Picture26.hdc, i, j, Picture10.BackColor

        Else
           SetPixel Picture26.hdc, i, j, vbBlack
        End If

     Next j

  Next i
  End If

  ProgressBar1.Value = 56.25

  If Picture11.BackColor <> &H8000000F Then
  Text2.Text = 10
Picture27.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256
```

```
        c2 = Picture11.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture27.hdc, i, j, Picture11.BackColor

        Else
          SetPixel Picture27.hdc, i, j, vbBlack
        End If

      Next j

  Next i
  End If

  ProgressBar1.Value = 62.5

  If Picture12.BackColor <> &H8000000F Then
  Text2.Text = 11
Picture28.Cls
  For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture12.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture28.hdc, i, j, Picture12.BackColor

        Else
          SetPixel Picture28.hdc, i, j, vbBlack
        End If

      Next j

  Next i
```

```
  End If

 ProgressBar1.Value = 68.75

  If Picture13.BackColor <> &H8000000F Then
  Text2.Text = 12
Picture29.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture13.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture29.hdc, i, j, Picture13.BackColor

        Else
          SetPixel Picture29.hdc, i, j, vbBlack
        End If

     Next j

  Next i
  End If

  ProgressBar1.Value = 75

  If Picture14.BackColor <> &H8000000F Then
  Text2.Text = 13
Picture30.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture14.BackColor
```

```
        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture30.hdc, i, j, Picture14.BackColor

        Else
          SetPixel Picture30.hdc, i, j, vbBlack
        End If

      Next j

  Next i
  End If

ProgressBar1.Value = 81.25

  If Picture15.BackColor <> &H8000000F Then
  Text2.Text = 14
Picture31.Cls
  For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture15.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture31.hdc, i, j, Picture15.BackColor

        Else
          SetPixel Picture31.hdc, i, j, vbBlack
        End If

      Next j

  Next i
  End If
```

```
  ProgressBar1.Value = 87.5

  If Picture16.BackColor <> &H8000000F Then
  Text2.Text = 15
Picture32.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture16.BackColor

        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture32.hdc, i, j, Picture16.BackColor

        Else
          SetPixel Picture32.hdc, i, j, vbBlack
        End If

     Next j

  Next i
  End If

  ProgressBar1.Value = 93.75

  If Picture17.BackColor <> &H8000000F Then
  Text2.Text = 16
 Picture33.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        c2 = Picture17.BackColor
```

```
        R2 = c2 Mod 256
        G2 = (c2 \ 256) Mod 256
        B2 = (c2 \ 256 \ 256) Mod 256

        If Abs(R - R2) < t And Abs(G - G2) < t And Abs(B - B2) < t Then

          SetPixel Picture33.hdc, i, j, Picture17.BackColor

        Else
          SetPixel Picture33.hdc, i, j, vbBlack
        End If

      Next j

  Next i
  End If
  ProgressBar1.Value = 100
End Sub

Private Sub k_means()
  Dim i As Integer, j As Integer
  Dim R As Integer, G As Integer, B As Integer
  Dim R2 As Integer, G2 As Integer, B2 As Integer
  Dim R3 As Integer, G3 As Integer, B3 As Integer
  Dim R4 As Integer, G4 As Integer, B4 As Integer
  Dim c As Long
  Dim centroid1 As Long
  Dim centroid2 As Long
  Dim euc As Integer
  Dim euc2 As Integer
  Dim warna As String
  Dim x As Double
  Dim y As Double
  Dim z As Double

  euc = 30
  euc2 = 5

  ProgressBar1.Value = 0
   If Picture2.BackColor <> &H8000000F Then
   Text2.Text = 1
  Picture18.Cls
  For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256
```

```
        centroid1 = Picture2.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

          SetPixel Picture18.hdc, i, j, RGB(R, G, B)
    Else
          SetPixel Picture18.hdc, i, j, vbBlack

        End If
     Next j

  Next i

   For i = 0 To Picture18.ScaleWidth
     For j = 0 To Picture18.ScaleHeight

        warna = GetPixel(Picture18.hdc, i, j)

         R3 = warna Mod 256
         G3 = (warna \ 256) Mod 256
         B3 = (warna \ 256 \ 256) Mod 256

         If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
         x = x + warna
         y = y + 1
         If y >= 2 Then
         z = x / 2
         x = z
         End If
         centroid2 = z
         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256

         If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
         centroid2 = Picture2.BackColor
         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256
         End If
         End If
         Next j
         Next i
```

```
   For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

          c = GetPixel(Picture1.hdc, i, j)

          R = c Mod 256
          G = (c \ 256) Mod 256
          B = (c \ 256 \ 256) Mod 256

           If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

             SetPixel Picture18.hdc, i, j, RGB(R, G, B)
    Else
            SetPixel Picture18.hdc, i, j, vbBlack

          End If

           Next j
           Next i
   End If

 ProgressBar1.Value = 6.25

   If Picture3.BackColor <> &H8000000F Then
   Text2.Text = 2
  Picture19.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

          c = GetPixel(Picture1.hdc, i, j)

          R = c Mod 256
          G = (c \ 256) Mod 256
          B = (c \ 256 \ 256) Mod 256

          centroid1 = Picture3.BackColor

          R2 = centroid1 Mod 256
          G2 = (centroid1 \ 256) Mod 256
          B2 = (centroid1 \ 256 \ 256) Mod 256


          If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

            SetPixel Picture19.hdc, i, j, RGB(R, G, B)
    Else
            SetPixel Picture19.hdc, i, j, vbBlack

          End If
```

```
    Next j

  Next i

  For i = 1 To Picture19.Width Step 15
     For j = 1 To Picture19.Height Step 15

        warna = Picture19.Point(i, j)

        R3 = warna Mod 256
        G3 = (warna \ 256) Mod 256
        B3 = (warna \ 256 \ 256) Mod 256

        If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
        x = x + warna
        y = y + 1
        If y >= 2 Then
        z = x / 2
        x = z
        End If
        centroid2 = z
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
        centroid2 = Picture3.BackColor
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256
        End If
        End If
        Next j
        Next i

  For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256


        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256
```

```
        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

           SetPixel Picture19.hdc, i, j, RGB(R, G, B)
  Else
          SetPixel Picture19.hdc, i, j, vbBlack

       End If

        Next j
        Next i
 End If

 ProgressBar1.Value = 12.5
 If Picture4.BackColor <> &H8000000F Then
 Text2.Text = 3
Picture20.Cls
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256

       centroid1 = Picture4.BackColor

       R2 = centroid1 Mod 256
       G2 = (centroid1 \ 256) Mod 256
       B2 = (centroid1 \ 256 \ 256) Mod 256


       If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

          SetPixel Picture20.hdc, i, j, RGB(R, G, B)
  Else
          SetPixel Picture20.hdc, i, j, vbBlack

       End If
    Next j

Next i

 For i = 1 To Picture20.Width Step 15
     For j = 1 To Picture20.Height Step 15

        warna = Picture20.Point(i, j)

        R3 = warna Mod 256
        G3 = (warna \ 256) Mod 256
```

```
        B3 = (warna \ 256 \ 256) Mod 256

        If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
        x = x + warna
        y = y + 1
        If y >= 2 Then
        z = x / 2
        x = z
        End If
        centroid2 = z
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
        centroid2 = Picture4.BackColor
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256
        End If
        End If
        Next j
        Next i

  For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256


        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

          SetPixel Picture20.hdc, i, j, RGB(R, G, B)
   Else
         SetPixel Picture20.hdc, i, j, vbBlack

       End If

        Next j
        Next i
  End If
```

```
 ProgressBar1.Value = 18.75
 If Picture5.BackColor <> &H8000000F Then
 Text2.Text = 4
Picture21.Cls
For i = 0 To Picture1.ScaleWidth
   For j = 0 To Picture1.ScaleHeight

      c = GetPixel(Picture1.hdc, i, j)

      R = c Mod 256
      G = (c \ 256) Mod 256
      B = (c \ 256 \ 256) Mod 256

      centroid1 = Picture5.BackColor

      R2 = centroid1 Mod 256
      G2 = (centroid1 \ 256) Mod 256
      B2 = (centroid1 \ 256 \ 256) Mod 256


      If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

        SetPixel Picture21.hdc, i, j, RGB(R, G, B)
  Else
        SetPixel Picture21.hdc, i, j, vbBlack

      End If
   Next j

Next i

 For i = 1 To Picture21.Width Step 15
    For j = 1 To Picture21.Height Step 15

       warna = Picture21.Point(i, j)

       R3 = warna Mod 256
       G3 = (warna \ 256) Mod 256
       B3 = (warna \ 256 \ 256) Mod 256

       If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
       x = x + warna
       y = y + 1
       If y >= 2 Then
       z = x / 2
       x = z
       End If
       centroid2 = z
       R4 = centroid2 Mod 256
```

```
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256

            If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
            centroid2 = Picture5.BackColor
            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256
            End If
            End If
            Next j
            Next i

    For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

           c = GetPixel(Picture1.hdc, i, j)

           R = c Mod 256
           G = (c \ 256) Mod 256
           B = (c \ 256 \ 256) Mod 256


            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256

            If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

              SetPixel Picture21.hdc, i, j, RGB(R, G, B)
     Else
             SetPixel Picture21.hdc, i, j, vbBlack

           End If

            Next j
            Next i
    End If

    ProgressBar1.Value = 25
    If Picture6.BackColor <> &H8000000F Then
    Text2.Text = 5
   Picture22.Cls
   For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

           c = GetPixel(Picture1.hdc, i, j)

           R = c Mod 256
```

```
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        centroid1 = Picture6.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

          SetPixel Picture22.hdc, i, j, RGB(R, G, B)
    Else
          SetPixel Picture22.hdc, i, j, vbBlack

        End If
     Next j

  Next i

  For i = 1 To Picture22.Width Step 15
      For j = 1 To Picture22.Height Step 15

         warna = Picture22.Point(i, j)

         R3 = warna Mod 256
         G3 = (warna \ 256) Mod 256
         B3 = (warna \ 256 \ 256) Mod 256

         If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
         x = x + warna
         y = y + 1
         If y >= 2 Then
         z = x / 2
         x = z
         End If
         centroid2 = z
         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256

         If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
         centroid2 = Picture6.BackColor
         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256
         End If
         End If
```

```
        Next j
        Next i

For i = 0 To Picture1.ScaleWidth
   For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256


        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

           SetPixel Picture22.hdc, i, j, RGB(R, G, B)
  Else
          SetPixel Picture22.hdc, i, j, vbBlack

       End If

        Next j
        Next i
End If

ProgressBar1.Value = 31.25
If Picture7.BackColor <> &H8000000F Then
Text2.Text = 6
Picture23.Cls
For i = 0 To Picture1.ScaleWidth
   For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256

       centroid1 = Picture7.BackColor

       R2 = centroid1 Mod 256
       G2 = (centroid1 \ 256) Mod 256
       B2 = (centroid1 \ 256 \ 256) Mod 256


       If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then
```

```
            SetPixel Picture23.hdc, i, j, RGB(R, G, B)
      Else
            SetPixel Picture23.hdc, i, j, vbBlack

         End If
      Next j

   Next i

    For i = 1 To Picture23.Width Step 15
       For j = 1 To Picture23.Height Step 15

          warna = Picture23.Point(i, j)

          R3 = warna Mod 256
          G3 = (warna \ 256) Mod 256
          B3 = (warna \ 256 \ 256) Mod 256

          If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
          x = x + warna
          y = y + 1
          If y >= 2 Then
          z = x / 2
          x = z
          End If
          centroid2 = z
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
          centroid2 = Picture7.BackColor
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256
          End If
          End If
          Next j
          Next i

    For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

         c = GetPixel(Picture1.hdc, i, j)

         R = c Mod 256
         G = (c \ 256) Mod 256
         B = (c \ 256 \ 256) Mod 256
```

```
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

          SetPixel Picture23.hdc, i, j, RGB(R, G, B)
   Else
         SetPixel Picture23.hdc, i, j, vbBlack

       End If

        Next j
        Next i
 End If

 ProgressBar1.Value = 37.5
 If Picture8.BackColor <> &H8000000F Then
 Text2.Text = 7
Picture24.Cls
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256

       centroid1 = Picture8.BackColor

       R2 = centroid1 Mod 256
       G2 = (centroid1 \ 256) Mod 256
       B2 = (centroid1 \ 256 \ 256) Mod 256


       If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

         SetPixel Picture24.hdc, i, j, RGB(R, G, B)
   Else
         SetPixel Picture24.hdc, i, j, vbBlack

       End If
    Next j

Next i

 For i = 1 To Picture24.Width Step 15
```

```
        For j = 1 To Picture24.Height Step 15

          warna = Picture24.Point(i, j)

          R3 = warna Mod 256
          G3 = (warna \ 256) Mod 256
          B3 = (warna \ 256 \ 256) Mod 256

          If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
          x = x + warna
          y = y + 1
          If y >= 2 Then
          z = x / 2
          x = z
          End If
          centroid2 = z
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
          centroid2 = Picture8.BackColor
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256
          End If
          End If
          Next j
          Next i

    For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

         c = GetPixel(Picture1.hdc, i, j)

         R = c Mod 256
         G = (c \ 256) Mod 256
         B = (c \ 256 \ 256) Mod 256


          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

            SetPixel Picture24.hdc, i, j, RGB(R, G, B)
     Else
           SetPixel Picture24.hdc, i, j, vbBlack
```

```
        End If

         Next j
         Next i
 End If

 ProgressBar1.Value = 43.75
 If Picture9.BackColor <> &H8000000F Then
 Text2.Text = 8
Picture25.Cls
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        centroid1 = Picture9.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

           SetPixel Picture25.hdc, i, j, RGB(R, G, B)
   Else
           SetPixel Picture25.hdc, i, j, vbBlack

        End If
    Next j

Next i

 For i = 1 To Picture25.Width Step 15
     For j = 1 To Picture25.Height Step 15

         warna = Picture25.Point(i, j)

         R3 = warna Mod 256
         G3 = (warna \ 256) Mod 256
         B3 = (warna \ 256 \ 256) Mod 256

         If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
         x = x + warna
         y = y + 1
```

```
          If y >= 2 Then
          z = x / 2
          x = z
          End If
          centroid2 = z
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
          centroid2 = Picture9.BackColor
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256
          End If
          End If
          Next j
          Next i

    For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

         c = GetPixel(Picture1.hdc, i, j)

         R = c Mod 256
         G = (c \ 256) Mod 256
         B = (c \ 256 \ 256) Mod 256


          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

            SetPixel Picture25.hdc, i, j, RGB(R, G, B)
     Else
           SetPixel Picture25.hdc, i, j, vbBlack

         End If

          Next j
          Next i
    End If

    ProgressBar1.Value = 50
    If Picture10.BackColor <> &H8000000F Then
    Text2.Text = 9
   Picture26.Cls
```

```
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        centroid1 = Picture10.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

           SetPixel Picture26.hdc, i, j, RGB(R, G, B)
   Else
           SetPixel Picture26.hdc, i, j, vbBlack

        End If
    Next j

Next i

 For i = 1 To Picture26.Width Step 15
     For j = 1 To Picture26.Height Step 15

         warna = Picture26.Point(i, j)

         R3 = warna Mod 256
         G3 = (warna \ 256) Mod 256
         B3 = (warna \ 256 \ 256) Mod 256

         If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
         x = x + warna
         y = y + 1
         If y >= 2 Then
         z = x / 2
         x = z
         End If
         centroid2 = z
         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256

         If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
```

```
        centroid2 = Picture10.BackColor
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256
        End If
        End If
        Next j
        Next i

For i = 0 To Picture1.ScaleWidth
   For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256


        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

           SetPixel Picture26.hdc, i, j, RGB(R, G, B)
  Else
          SetPixel Picture26.hdc, i, j, vbBlack

       End If

        Next j
        Next i
End If

ProgressBar1.Value = 56.25
If Picture11.BackColor <> &H8000000F Then
Text2.Text = 10
Picture27.Cls
For i = 0 To Picture1.ScaleWidth
   For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256

       centroid1 = Picture11.BackColor
```

```
        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

          SetPixel Picture27.hdc, i, j, RGB(R, G, B)
    Else
          SetPixel Picture27.hdc, i, j, vbBlack

        End If
     Next j

  Next i

   For i = 1 To Picture27.Width Step 15
      For j = 1 To Picture27.Height Step 15

         warna = Picture27.Point(i, j)

         R3 = warna Mod 256
         G3 = (warna \ 256) Mod 256
         B3 = (warna \ 256 \ 256) Mod 256

         If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
         x = x + warna
         y = y + 1
         If y >= 2 Then
         z = x / 2
         x = z
         End If
         centroid2 = z
         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256

         If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
         centroid2 = Picture11.BackColor
         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256
         End If
         End If
         Next j
         Next i

   For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight
```

```
        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256


         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256

         If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

            SetPixel Picture27.hdc, i, j, RGB(R, G, B)
   Else
           SetPixel Picture27.hdc, i, j, vbBlack

        End If

         Next j
         Next i
 End If

 ProgressBar1.Value = 62.5
 If Picture12.BackColor <> &H8000000F Then
 Text2.Text = 11
Picture28.Cls
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        centroid1 = Picture12.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

           SetPixel Picture28.hdc, i, j, RGB(R, G, B)
   Else
           SetPixel Picture28.hdc, i, j, vbBlack
```

```
        End If
      Next j

    Next i

     For i = 1 To Picture28.Width Step 15
        For j = 1 To Picture28.Height Step 15

            warna = Picture28.Point(i, j)

            R3 = warna Mod 256
            G3 = (warna \ 256) Mod 256
            B3 = (warna \ 256 \ 256) Mod 256

            If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
            x = x + warna
            y = y + 1
            If y >= 2 Then
            z = x / 2
            x = z
            End If
            centroid2 = z
            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256

            If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
            centroid2 = Picture12.BackColor
            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256
            End If
            End If
            Next j
            Next i

     For i = 0 To Picture1.ScaleWidth
       For j = 0 To Picture1.ScaleHeight

          c = GetPixel(Picture1.hdc, i, j)

          R = c Mod 256
          G = (c \ 256) Mod 256
          B = (c \ 256 \ 256) Mod 256


            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256
```

```
        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

           SetPixel Picture28.hdc, i, j, RGB(R, G, B)
  Else
          SetPixel Picture28.hdc, i, j, vbBlack

       End If

        Next j
        Next i
 End If

 ProgressBar1.Value = 68.75
 If Picture13.BackColor <> &H8000000F Then
 Text2.Text = 12
Picture29.Cls
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256

       centroid1 = Picture13.BackColor

       R2 = centroid1 Mod 256
       G2 = (centroid1 \ 256) Mod 256
       B2 = (centroid1 \ 256 \ 256) Mod 256


       If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

          SetPixel Picture29.hdc, i, j, RGB(R, G, B)
  Else
          SetPixel Picture29.hdc, i, j, vbBlack

       End If
    Next j

Next i

 For i = 1 To Picture29.Width Step 15
     For j = 1 To Picture29.Height Step 15

        warna = Picture29.Point(i, j)

        R3 = warna Mod 256
```

```
        G3 = (warna \ 256) Mod 256
        B3 = (warna \ 256 \ 256) Mod 256

        If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
        x = x + warna
        y = y + 1
        If y >= 2 Then
        z = x / 2
        x = z
        End If
        centroid2 = z
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
        centroid2 = Picture13.BackColor
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256
        End If
        End If
        Next j
        Next i

   For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256


        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

          SetPixel Picture29.hdc, i, j, RGB(R, G, B)
    Else
         SetPixel Picture29.hdc, i, j, vbBlack

       End If

        Next j
        Next i
```

```
 End If

 ProgressBar1.Value = 75
 If Picture14.BackColor <> &H8000000F Then
 Text2.Text = 13
Picture30.Cls
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        centroid1 = Picture14.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

            SetPixel Picture30.hdc, i, j, RGB(R, G, B)
   Else
            SetPixel Picture30.hdc, i, j, vbBlack

        End If
    Next j

Next i

 For i = 1 To Picture30.Width Step 15
     For j = 1 To Picture30.Height Step 15

         warna = Picture30.Point(i, j)

         R3 = warna Mod 256
         G3 = (warna \ 256) Mod 256
         B3 = (warna \ 256 \ 256) Mod 256

         If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
         x = x + warna
         y = y + 1
         If y >= 2 Then
         z = x / 2
         x = z
         End If
         centroid2 = z
```

```
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
          centroid2 = Picture14.BackColor
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256
          End If
          End If
          Next j
          Next i

   For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

         c = GetPixel(Picture1.hdc, i, j)

         R = c Mod 256
         G = (c \ 256) Mod 256
         B = (c \ 256 \ 256) Mod 256


          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

            SetPixel Picture30.hdc, i, j, RGB(R, G, B)
    Else
           SetPixel Picture30.hdc, i, j, vbBlack

         End If

          Next j
          Next i
   End If

   ProgressBar1.Value = 81.25
   If Picture15.BackColor <> &H8000000F Then
   Text2.Text = 14
  Picture31.Cls
  For i = 0 To Picture1.ScaleWidth
     For j = 0 To Picture1.ScaleHeight

         c = GetPixel(Picture1.hdc, i, j)
```

```
        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        centroid1 = Picture15.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

          SetPixel Picture31.hdc, i, j, RGB(R, G, B)
    Else
          SetPixel Picture31.hdc, i, j, vbBlack

        End If
     Next j

  Next i

   For i = 1 To Picture31.Width Step 15
      For j = 1 To Picture31.Height Step 15

        warna = Picture31.Point(i, j)

        R3 = warna Mod 256
        G3 = (warna \ 256) Mod 256
        B3 = (warna \ 256 \ 256) Mod 256

        If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
        x = x + warna
        y = y + 1
        If y >= 2 Then
        z = x / 2
        x = z
        End If
        centroid2 = z
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
        centroid2 = Picture15.BackColor
        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256
        End If
```

```
        End If
        Next j
        Next i

For i = 0 To Picture1.ScaleWidth
   For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256


        R4 = centroid2 Mod 256
        G4 = (centroid2 \ 256) Mod 256
        B4 = (centroid2 \ 256 \ 256) Mod 256

        If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

           SetPixel Picture31.hdc, i, j, RGB(R, G, B)
  Else
          SetPixel Picture31.hdc, i, j, vbBlack

       End If

        Next j
        Next i
End If

ProgressBar1.Value = 87.5
If Picture16.BackColor <> &H8000000F Then
Text2.Text = 15
Picture32.Cls
For i = 0 To Picture1.ScaleWidth
   For j = 0 To Picture1.ScaleHeight

       c = GetPixel(Picture1.hdc, i, j)

       R = c Mod 256
       G = (c \ 256) Mod 256
       B = (c \ 256 \ 256) Mod 256

       centroid1 = Picture16.BackColor

       R2 = centroid1 Mod 256
       G2 = (centroid1 \ 256) Mod 256
       B2 = (centroid1 \ 256 \ 256) Mod 256
```

```
        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

            SetPixel Picture32.hdc, i, j, RGB(R, G, B)
      Else
            SetPixel Picture32.hdc, i, j, vbBlack

        End If
      Next j

   Next i

    For i = 1 To Picture32.Width Step 15
       For j = 1 To Picture32.Height Step 15

          warna = Picture32.Point(i, j)

          R3 = warna Mod 256
          G3 = (warna \ 256) Mod 256
          B3 = (warna \ 256 \ 256) Mod 256

          If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
          x = x + warna
          y = y + 1
          If y >= 2 Then
          z = x / 2
          x = z
          End If
          centroid2 = z
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256

          If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
          centroid2 = Picture16.BackColor
          R4 = centroid2 Mod 256
          G4 = (centroid2 \ 256) Mod 256
          B4 = (centroid2 \ 256 \ 256) Mod 256
          End If
          End If
          Next j
          Next i

    For i = 0 To Picture1.ScaleWidth
      For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
```

```
        B = (c \ 256 \ 256) Mod 256


         R4 = centroid2 Mod 256
         G4 = (centroid2 \ 256) Mod 256
         B4 = (centroid2 \ 256 \ 256) Mod 256

         If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

            SetPixel Picture32.hdc, i, j, RGB(R, G, B)
   Else
           SetPixel Picture32.hdc, i, j, vbBlack

        End If

         Next j
         Next i
 End If

 ProgressBar1.Value = 93.75
 If Picture17.BackColor <> &H8000000F Then
 Text2.Text = 16
Picture33.Cls
For i = 0 To Picture1.ScaleWidth
    For j = 0 To Picture1.ScaleHeight

        c = GetPixel(Picture1.hdc, i, j)

        R = c Mod 256
        G = (c \ 256) Mod 256
        B = (c \ 256 \ 256) Mod 256

        centroid1 = Picture17.BackColor

        R2 = centroid1 Mod 256
        G2 = (centroid1 \ 256) Mod 256
        B2 = (centroid1 \ 256 \ 256) Mod 256


        If Abs(R - R2) < euc And Abs(G - G2) < euc And Abs(B - B2) < euc Then

           SetPixel Picture33.hdc, i, j, RGB(R, G, B)
   Else
           SetPixel Picture33.hdc, i, j, vbBlack

        End If
    Next j

Next i
```

```
    For i = 1 To Picture33.Width Step 15
        For j = 1 To Picture33.Height Step 15

            warna = Picture33.Point(i, j)

            R3 = warna Mod 256
            G3 = (warna \ 256) Mod 256
            B3 = (warna \ 256 \ 256) Mod 256

            If Abs(R3 - R2) < euc And Abs(G3 - G2) < euc And Abs(B3 - B2) < euc Then
            x = x + warna
            y = y + 1
            If y >= 2 Then
            z = x / 2
            x = z
            End If
            centroid2 = z
            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256

            If Abs(R4 - R2) >= euc2 And Abs(G4 - G2) >= euc2 And Abs(B4 - B2) >=
euc2 Then
            centroid2 = Picture17.BackColor
            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256
            End If
            End If
            Next j
            Next i

    For i = 0 To Picture1.ScaleWidth
       For j = 0 To Picture1.ScaleHeight

           c = GetPixel(Picture1.hdc, i, j)

           R = c Mod 256
           G = (c \ 256) Mod 256
           B = (c \ 256 \ 256) Mod 256


            R4 = centroid2 Mod 256
            G4 = (centroid2 \ 256) Mod 256
            B4 = (centroid2 \ 256 \ 256) Mod 256

            If Abs(R - R4) < euc And Abs(G - G4) < euc And Abs(B - B4) < euc Then

               SetPixel Picture33.hdc, i, j, RGB(R, G, B)
      Else
```

```
            SetPixel Picture33.hdc, i, j, vbBlack

          End If

           Next j
           Next i
    End If
    ProgressBar1.Value = 100
End Sub
```