

## LAMPIRAN

### Kode Program pada VB

#### Kode untuk Regeitrasi Id:

*Option Explicit*

*Private Sub Command1\_Click()*

*If Text1.Text = "" Then*

*MsgBox "ID can not empty"*

*Else*

*frmFPRegistration.ID = Text1.Text*

*frmFPRegistration.FingerIndex = GetFingerNumber(Combo1.Text)*

*frmFPRegistration.Show vbModal*

*End If*

*End Sub*

*Private Function GetFingerNumber(Finger As String) As FingerNumber*

*Dim j As Byte*

*'Finger Number*

*Select Case Finger*

*Case "Left Pinkie"*

*j = 0*

*Case "Left Ring"*

*j = 1*

*Case "Left Middle"*

*j = 2*

*Case "Left Index"*

*j = 3*

*Case "Left Thumb"*

*j = 4*

*Case "Right Thumb"*

*j = 5*

*Case "Right Index"*

*j = 6*

*Case "Right Middle"*

*j = 7*

*Case "Right Ring"*

*j = 8*

*Case "Right Pinkie"*

*j = 9*

*Case "(None)"*

*j = 10*

*Case Else*

*j = 10*

*End Select*

*GetFingerNumber = j*

*End Function*

**Kode untuk Regeitrasi Pola Sidik Jari:**

*Option Explicit*

*Dim FPDatabase As New FingerspotETouchSDK.FinFPDatabase*

*Dim WithEvents Registration As FingerspotETouchSDK.FinFPRegistration*

*Dim EmpID As String*

*Dim EmpFinger As FingerNumber*

*Private Sub Command1\_Click()*

*Unload Me*

*End Sub*

*Private Sub Command2\_Click()*

*Registration.FPRegistrationCancel*

*Unload Me*

*End Sub*

*Private Sub Form\_Load()*

*On Error GoTo ErrMsg*

*If FPDatabase.ActiveConnection("DRIVER={Microsoft Access Driver (\*.mdb)};" & \_  
"pwd=;" & \_  
"UID=Admin;" & \_  
"DBQ=" & App.Path & "\SampleDB.mdb") = sc\_Fail Then*

*MsgBox "Database Connection Fail"*

*Else*

*Set Registration = New FingerprintETouchSDK.FinFPRegistration*

*Registration.PictureSamplePath = App.Path & "\FPTemp.BMP"*

*Registration.PictureSampleHeight = picSample.Height*

*Registration.PictureSampleWidth = picSample.Width*

*End If*

*Registration.FPRegistration EmpID, EmpFinger*

```
Exit Sub  
ErrMsg:  
If Err.Number = 430 Then  
    MsgBox "You need to recompile your application to use the latest SDK version"  
Else  
    MsgBox Err.Description  
End If  
End Sub
```

```
Private Sub Form_Unload(Cancel As Integer)  
    Set Registration = Nothing  
End Sub
```

```
Private Sub Registration_FPRegistrationImage()  
    picSample = LoadPicture(App.Path & "\FPTemp.BMP")  
End Sub
```

```
Private Sub Registration_FPRegistrationStatus(Status As RegistrationStatus)  
    Select Case Status  
        Case r_OK  
            Label3.Caption = "Registration Success. Template has been saved to database"  
            Command1.Enabled = True  
        Case r_FpIdAlreadyExist  
            Label3.Caption = "ID dan finger number already exist. Press Cancel"  
        Case r_NoDevice  
            Label3.Caption = "Device not exists. Press Cancel"  
        Case r_RegFailed  
            Label3.Caption = "Registration Failed. Please repeat..."  
        Case r_WrongFingerNr  
            Label3.Caption = "Finger number must between 0 to 9. Press Cancel"
```

*Case r\_DevNotRegistered*

*Label3.Caption = "Please registered device"*

*frmActivation.Show vbModal*

*If frmActivation.ActivationStatus Then*

*Label3.Caption = ""*

*Registration.FPRegistration EmpID, EmpFinger*

*End If*

*End Select*

*End Sub*

*Public Property Let ID(ByVal vNewValue As String)*

*EmpID = vNewValue*

*End Property*

*Public Property Let FingerIndex(ByVal vNewValue As FingerNumber)*

*EmpFinger = vNewValue*

*End Property*

*Private Sub Registration\_FPSamplesNeeded(Samples As Integer)*

*Label2.Caption = Samples*

*End Sub*

## **Kode untuk Verifikasi**

*Private Declare Sub PortOut Lib "IO.DLL" (ByVal Port As Integer, ByVal Data As Byte)*

*Private Declare Sub PortWordOut Lib "IO.DLL" (ByVal Port As Integer, ByVal Data As Integer)*

*Private Declare Sub PortDWordOut Lib "IO.DLL" (ByVal Port As Integer, ByVal Data As Long)*

*Private Declare Function PortIn Lib "IO.DLL" (ByVal Port As Integer) As Byte*

*Private Declare Function PortWordIn Lib "IO.DLL" (ByVal Port As Integer) As Integer*

```

Private Declare Function PortDWordIn Lib "IO.DLL" (ByVal Port As Integer) As Long
Private Declare Sub SetPortBit Lib "IO.DLL" (ByVal Port As Integer, ByVal Bit As Byte)
Private Declare Sub ClrPortBit Lib "IO.DLL" (ByVal Port As Integer, ByVal Bit As Byte)
Private Declare Sub NotPortBit Lib "IO.DLL" (ByVal Port As Integer, ByVal Bit As Byte)

Private Declare Function GetPortBit Lib "IO.DLL" (ByVal Port As Integer, ByVal Bit As Byte)
As Boolean

Private Declare Function RightPortShift Lib "IO.DLL" (ByVal Port As Integer, ByVal Val As
Boolean) As Boolean

Private Declare Function LeftPortShift Lib "IO.DLL" (ByVal Port As Integer, ByVal Val As
Boolean) As Boolean

Private Declare Function IsDriverInstalled Lib "IO.DLL" () As Boolean

Private Declare Function Beep Lib "kernel32" (ByVal dwFreq As Long, ByVal dwDuration As
Long) As Long

Option Explicit

Dim FPDatabase As New FingerspotETouchSDK.FinFPDatabase
Dim WithEvents Verification As FingerspotETouchSDK.FinFPVerification

Private Sub Command1_Click()
Unload Me
End Sub

Private Sub Form_Load()
On Error GoTo ErrMsg

If FPDatabase.ActiveConnection( _
"DRIVER={Microsoft Access Driver (*.mdb)};" & _
"pwd=" & _
"UID=Admin;" & _
"DBQ=" & App.Path & "\SampleDB.mdb") = sc_Fail Then

```

```
MsgBox "Database Connection Fail"

Else

Set Verification = New FingerspotETouchSDK.FinFPVerification

Verification.PictureSamplePath = App.Path & "\FPTemp.BMP"

Verification.PictureSampleHeight = picSample.Height

Verification.PictureSampleWidth = picSample.Width

'Wait until a finger on device

Verification.FPVerification

End If

Exit Sub

ErrMsg:

If Err.Number = 430 Then

MsgBox "You need to recompile your application to use the latest SDK version"

Else

MsgBox Err.Description, , Err.Number

End If

End Sub

Private Sub Form_Unload(Cancel As Integer)

Verification.FPVerificationCancel

Set Verification = Nothing

End Sub

Private Sub Text1_Change()

'Set filter criteria

If Len(Text1.Text) = 0 Then

'Search all finger samples

Verification.FPVerificationFilter ""
```

*Else*

*'Search only finger samples in criteria*

*Verification.FPVerificationFilter "ID LIKE '" & Text1.Text & "%'"*

*End If*

*End Sub*

*Private Sub Timer1\_timer()*

*Dim i As Integer*

*If i = 30 Then*

*PortOut &H378, &H0*

*Else*

*PortOut &H378, &H0*

*End If*

*End Sub*

*Private Sub Verification\_FPVerificationID(ID As String, FingerNr As  
FingerspotETouchSDK.FingerNumber)*

*Text2.Text = Text2.Text & ID & " (" & CStr(FingerNr) & ")" & vbNewLine*

*End Sub*

*Private Sub Verification\_FPVerificationImage()*

*Text2.Text = ""*

*Text3.Text = ""*

*picSample = LoadPicture(App.Path & "\FPTemp.BMP")*

*End Sub*

*Private Sub Verification\_FPVerificationStatus(Status As VerificationStatus)*

*Dim i As Integer*



*Select Case Status*

*Case v\_MultipleMatch*

*Text3.Text = "Multiple Match"*

*Case v\_OK*

*Text3.Text = "Cocok"*

*For i = 0 To 30 Step 1*

*PortOut &H378, &HFF*

*Next i*

*Case v\_NotFound*

*Text3.Text = "Tidak Cocok"*

*PortOut &H378, &H0*

*Beep 1000, 150*

*Beep 5800, 150*

*Case v\_VerFailed*

*Text3.Text = "Verification Failed"*

*Exit Sub*

*Case v\_NoDevice*

*Text3.Text = "Device not exists"*

*Beep 1000, 150*

*Beep 5800, 150*

*Beep 1000, 150*

*Beep 5800, 150*

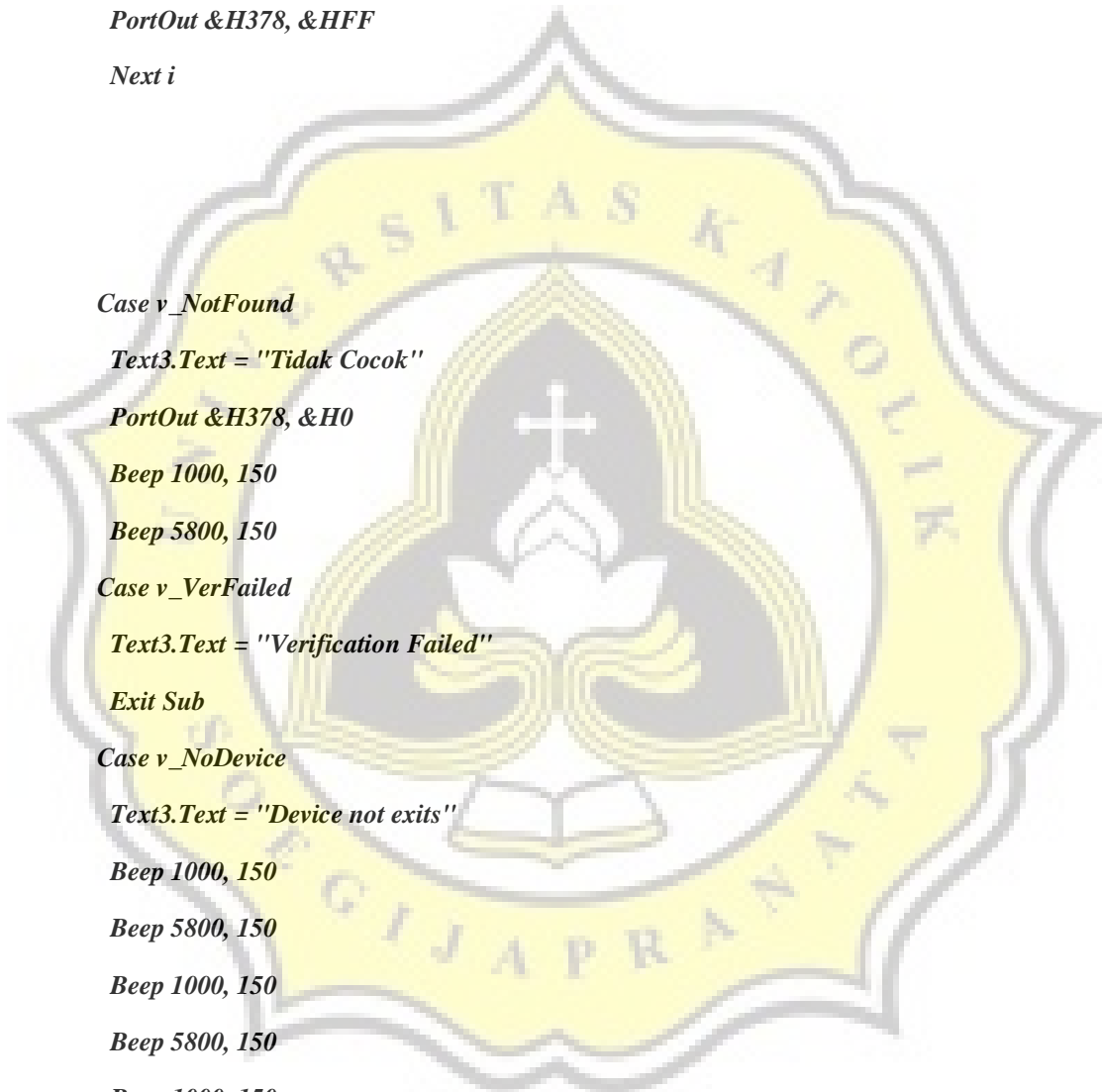
*Beep 1000, 150*

*Beep 5800, 150*

*Exit Sub*

*Case v\_PoorQuality*

*Text3.Text = "Re-scan your finger"*



*Exit Sub*

*Case v\_DevNotRegistered*

*Text3.Text = "Please registered device"*

*frmActivation.Show vbModal*

*If frmActivation.ActivationStatus Then Text3.Text = ""*

*End Select*

*'Wait for the next finger*

*Verification.FPVerification*

*End Sub*

