

Lampiran A : Listing Program

1. Server

```
Private Declare Sub InitCommonControls Lib "comctl32.dll" ()
Dim InData(10) As String, InLayar(10) As String, InTk(10) As String, NoRM
As String
```

```
Private Sub Command1_Click()
Dim WaktuLayanan As Date
Dim WaktuSelesai As Date
Dim Lama As Long, Detik As Long
Dim RataRata As Long
Dim n As Integer
Dim TLama As Long
Dim intJam, intMenit, intDetik As Integer
Dim strJam, strMenit, strDetik As Integer
```

```
On Error Resume Next
Set rsCAri = New ADODB.Recordset
rsCAri.Open "select * from tantrian order by noTiket asc", CN, 1, 2
If Not rsCAri.EOF Then
Do While Not rsCAri.EOF
WaktuLayanan = rsCAri!WaktuLayanan
WaktuSelesai = rsCAri!WaktuSelesai
If WaktuLayanan > WaktuSelesai Then
Lama = DateDiff("s", WaktuSelesai, WaktuLayanan)
Else
Lama = DateDiff("s", WaktuLayanan, WaktuSelesai)
End If
n = n + 1
If Lama > 60 Then
If Lama < 120 Then
intMenit = 1
intDetik = Lama - 60
intJam = 0
ElseIf Lama >= 120 Then
If Lama < 180 Then
intMenit = 2
intDetik = Lama - 120
intJam = 1
Else
intMenit = 180 / 60
intDetik = Lama - intMenit
intJam = 0

End If
ElseIf Lama >= 180 Then
If Lama < 240 Then
intMenit = 3
```

```

        intDetik = Lama - 180
        intJam = 0
    Else
        intMenit = 240 / 60
        intDetik = Lama - intMenit
        intJam = 0
    End If
End If
Else
    intMenit = 0
    intDetik = Lama
    intJam = 0

End If
If intJam <= 9 Then
    strJam = "0" & intJam
Else
    strJam = intJam
End If

If intMenit <= 9 Then
    strMenit = "0" & intMenit
Else
    strMenit = intMenit
End If

If intDetik <= 9 Then
    strDetik = "0" & intDetik
Else
    strDetik = intDetik
End If

TLama = TLama + Lama
Detik = Hour(Lama) * 3600 + Minute(Lama) * 60 + Second(Lama)
List4.AddItem " No.Antrian: " & rsCari!NoTiket & " ,Jam Layanan: " &
Format(rsCari!WaktuLayanan, "HH:MM:SS") & " ,Jam Selesai: " &
Format(rsCari!WaktuSelesai, "HH:MM:SS") & " ,Lama: " & strJam & ":" &
strMenit & ":" & strDetik
rsCari.MoveNext
If rsCari.EOF Then
    Exit Do
End If
Loop
RataRata = TLama / n
lblRata = RataRata
Else
    Lama = 0
End If

```

```
RataRata = 0
Lama = 0
n = 0
Set rsCAri = Nothing
```

```
End Sub
```

```
Private Sub Form_Initialize()
InitCommonControls
End Sub
```

```
Private Sub Form_Load()
Call Koneksi
Call Tengah(Me)
wcl(0).Close
wcl(0).LocalPort = 6212
wcl(0).Listen
```

```
wly(0).Close
wly(0).LocalPort = 6215
wly(0).Listen
```

```
wtc(0).Close
wtc(0).LocalPort = 6217
wtc(0).Listen
Set rsCAri = New Recordset
rsCAri.Open "Delete from tAntrian", CN, 1, 2
Set rsCAri = Nothing
```

```
End Sub
```

```
Private Sub mnuAbout_Click()
frmAbout.Show
End Sub
```

```
Private Sub mnuClearLog_Click()
Dim Pesan
Pesan = MsgBox("Log will ce clear ?", vbYesNo + vbQuestion, "Clear Log
?")
If Pesan = vbYes Then
List1.Clear
End If
End Sub
```

```
Private Sub mnuExit_Click()
Dim Pesan
Pesan = MsgBox("Sure to exit from Main Server Antrian ?", vbYesNo +
vbQuestion, "Yakin ?")
If Pesan = vbYes Then
```

```
End
End If
End Sub
```

```
Private Sub mnuHelp_Click()
frmHelp.Show
End Sub
```

```
Private Sub mnuReset_Click()
Dim Pesan
Pesan = MsgBox("Yakin Noantrian dan Nomor Tiket akan di reset ke 0 ?",
vbYesNo + vbQuestion, "Reset ?")
If Pesan = vbYes Then
NoTiket = 0
NoAntri = 0
For j = 1 To tMax
If wcl(j).State = 7 Then
wcl(j).SendData "40010;ticket;" & Format(NoTiket, "000")
DoEvents
wcl(j).SendData "20010;counter;" & Format(NoAntri, "000")
DoEvents
End If
Next j

For i = 1 To tLayar
If wly(i).State = 7 Then
wly(i).SendData "20010;counter;" & InData(3) & ";" &
Format(NoAntri, "000") & ";0"
DoEvents
End If
Next i

For h = 1 To tTkt
If wtc(h).State = 7 Then
wtc(h).SendData "20010;counter;" & Format(NoAntri, "000")
DoEvents
End If
Next h
```

```
End If
End Sub
```

```
Private Sub Timer1_Timer()
tmTunggu = tmTunggu + 1
End Sub
```

```
Private Sub Timer2_Timer()
tmTunggu2 = tmTunggu2 + 1
```

End Sub

Private Sub tJam_Timer()

TCT = 0

For k = 1 To tTkt

 If wtc(k).State = 7 Then

 TCT = TCT + 1

 End If

Next k

tBar.Panels(6).Text = Time

tBar.Panels(5).Text = Format(Date, "d MMMM yyyy")

tBar.Panels(4).Text = "NA: " & Format(NoAntri, "000")

tBar.Panels(3).Text = "NT: " & Format(NoTiket, "000")

tBar.Panels(2).Text = "CT: " & TCT

lblJA.Caption = NoTiket - NoAntri

End Sub

Private Sub wcl_ConnectionRequest(Index As Integer, ByVal requestID As Long)

 tMax = tMax + 1

 Load wcl(tMax)

 DoEvents

 wcl(tMax).Close

 wcl(tMax).Accept requestID

 DoEvents

 Call AddLog("Request Coonnection from [CL] " & wcl(Index).RemoteHostIP & ":" & wcl(Index).RemotePort)

 Call CekClient(tMax)

End Sub

Private Sub CekClient(ByVal Idx As Long)

Dim lst As ListItem, Ada As Boolean

If lstMain.ListItems.Count > 0 Then

 Ada = False

 For i = 1 To lstMain.ListItems.Count

 If (lstMain.ListItems(i).SubItems(2) = wcl(Idx).RemoteHostIP) And (wcl(lstMain.ListItems(i).Text).State <> 7) Then

 lstMain.ListItems(i).Text = Idx

 Ada = True

 wcl(Idx).SendData "50010;counter;" & lstMain.ListItems(i).SubItems(4)

 DoEvents

 Exit For

 End If

 Next i

Else

 Ada = False

End If

```

If Ada = False Then
    Set lst = lstMain.ListItems.Add(, , Idx)
    lst.SubItems(1) = Format(Date, "dd-MM-yyyy") & " " & Format(Time,
"hh:mm")
    lst.SubItems(2) = wcl(Idx).RemoteHostIP
    lst.SubItems(3) = wcl(Idx).RemotePort
    lst.SubItems(4) = 0
    lst.SubItems(5) = 0
End If
End Sub

Private Sub wcl_DataArrival(Index As Integer, ByVal bytesTotal As Long)
Dim strData As String, LoopData, TotalRT As Long, tmpJam As Long,
tmpJam2 As Long
wcl(Index).GetData strData
DoEvents
If Len(strData) = 0 Then Exit Sub
LoopData = Split(strData, ";")
If UBound(LoopData) > 0 And UBound(LoopData) < 10 Then
    For i = 0 To UBound(LoopData)
        InData(i + 1) = LoopData(i)
    Next i
End If
noLoket = Right(strData, 1)
Select Case InData(1)
    Case "10000"
        wcl(Index).SendData "10010;antrian;connect;1"
        DoEvents
        Call AddKetList(Index, "Loket-" & noLoket) 'InData(6))
        DoEvents
        wcl(Index).SendData "40010;ticket;" & Format(NoTiket, "000")
        DoEvents
        wcl(Index).SendData "20010;counter;" & Format(NoAntri, "000")
        DoEvents
    Case "20000"
        Me.Caption = "20000 Counter 1"
        Timer1.Enabled = True
        List2.AddItem tmTunggu
        tmTunggu = 0
        If List2.ListCount > 1 Then

            TotalRT = 0
            For hit = 0 To List2.ListCount - 1
                tmpJam = List2.List(hit)
                TotalRT = TotalRT + tmpJam
            Next hit
            lblRT.Caption = Format((((TotalRT / List2.ListCount) / 60), "###,##")
        End If

```

```

NoAntri = NoAntri + 1
For i = 1 To tLayar
  If wly(i).State = 7 Then
    DoEvents
    If (NoTiket - NoAntri) > 0 Then
      wly(i).SendData "20010;counter;" & InData(3) & ";" &
Format(NoAntri, "000") & ";" & NoTiket - NoAntri & ";" & lblRT.Caption
    Else
      wly(i).SendData "20010;counter;" & InData(3) & ";" &
Format(NoAntri, "000") & ";0;" & lblRT.Caption
    End If
    DoEvents
  End If
Next i
For j = 1 To tMax
  If wcl(j).State = 7 Then
    wcl(j).SendData "20010;counter;" & Format(NoAntri, "000")
    DoEvents
  End If
Next j
For h = 1 To tTkt
  If wtc(h).State = 7 Then
    wtc(h).SendData "20010;counter;" & Format(NoAntri, "000")
    DoEvents
  End If
Next h
Call AddCount(Index, NoAntri)
Call AddKetList(Index, "Loket-" & InData(3))
Case "30000"
  Timer2.Enabled = True
  List3.AddItem tmTunggu2
  tmTunggu2 = 0
  If List3.ListCount > 1 Then

    TotalRT2 = 0
    For hit = 0 To List3.ListCount - 1
      tmpJam2 = List3.List(hit)
      TotalRT2 = TotalRT2 + tmpJam2
    Next hit
    lblRT2.Caption = ((TotalRT2 / List3.ListCount) / 60)
  End If

  NoAntri = NoAntri + 1
  For i = 1 To tLayar
    If wly(i).State = 7 Then
      DoEvents
      If (NoTiket - NoAntri) > 0 Then
        wly(i).SendData "20010;counter;" & InData(3) & ";" &
Format(NoAntri, "000") & ";" & NoTiket - NoAntri & ";" & lblRT2.Caption

```

```

Else
    wly(i).SendData "20010;counter;" & InData(3) & ";" &
Format(NoAntri, "000") & ";0;" & lblRT2.Caption
End If
DoEvents
End If
Next i
For j = 1 To tMax
    If wcl(j).State = 7 Then
        wcl(j).SendData "20010;counter;" & Format(NoAntri, "000")
        DoEvents
    End If
Next j
For h = 1 To tTkt
    If wtc(h).State = 7 Then
        wtc(h).SendData "20010;counter;" & Format(NoAntri, "000")
        DoEvents
    End If
Next h
Call AddCount(Index, NoAntri)
Call AddKetList(Index, "Loket-" & InData(3))
Case "60000"
    For i = 1 To tLayar
        If wly(i).State = 7 Then
            wly(i).SendData strData
            DoEvents
        End If
    Next i
Case "40000"
    Set rsCAri = New Recordset
    rsCAri.Open "Update tAntrian set WaktuSelesai=" & Format(Now,
"HH:MM:SS") & "' where noTiket=" & NoTiket & " and noLoket=" &
noLoket & "'", CN, 1, 2
    Set rsCAri = Nothing
    Set rsCAri = New Recordset
    rsCAri.Open "Update tAntrian set WaktuSelesai=" & Format(Now,
"HH:MM:SS") & "',st='*' where st='1'", CN, 1, 2
    Set rsCAri = Nothing

End Select

Call AddLog(wcl(Index).RemoteHostIP & "MSG " & strData)
End Sub

Private Sub AddKetList(ByVal Idx As Long, ByVal sKet As String)
If lstMain.ListItems.Count > 0 Then
    For i = 1 To lstMain.ListItems.Count
        If lstMain.ListItems(i).Text = Idx Then
            lstMain.ListItems(i).SubItems(6) = sKet
        End If
    Next i
End If

```



```

Exit For
End If
Next i
End If
End Sub

Private Sub AddCount(ByVal Idx As Long, ByVal nAntri As Long)
Dim bolSave As Boolean
Dim WaktuLayanan As Timer
Dim WaktuSelesai As Timer
Dim Lama As Integer
If lstMain.ListItems.Count > 0 Then
For i = 1 To lstMain.ListItems.Count
If lstMain.ListItems(i).Text = Idx Then
lstMain.ListItems(i).SubItems(4) =
Cdbl(lstMain.ListItems(i).SubItems(4)) + 1
lstMain.ListItems(i).SubItems(5) = nAntri
lstMain.ListItems(i).SubItems(7) = Format(Now, "HH:MM:SS")
Set rsCAri = New ADODB.Recordset
rsCAri.Open "select * from tantrian where noLoket=" & noLoket &
" order by noLoket asc", CN, 1, 2
If rsCAri.EOF Then
bolSave = True
Else
bolSave = False
End If
Set rsCAri = Nothing
If bolSave = True Then

Set rsSave = New ADODB.Recordset
rsSave.Open "tAntrian", CN, 1, 2
rsSave.AddNew
rsSave!NoTiket = nAntri
rsSave!WaktuLayanan = Format(Now, "HH:MM:SS")
rsSave!noLoket = noLoket
rsSave!st = "1"
rsSave.Update
Set rsSave = Nothing
Else
Set rsUpdate = New ADODB.Recordset
rsUpdate.Open "Update tAntrian set waktuSelesai=" &
Format(Now, "HH:MM:SS") & ",st='*" where noLoket=" & noLoket & "'",
CN, 1, 2
Set rsUpdate = Nothing

Set rsSave = New ADODB.Recordset
rsSave.Open "tAntrian", CN, 1, 2
rsSave.AddNew
rsSave!NoTiket = nAntri

```

```

        rsSave!WaktuLayanan = Format(Now, "HH:MM:SS")
        rsSave!noLoket = noLoket
        rsSave!st = "1"
        rsSave.Update
        Set rsSave = Nothing
        lstMain.ListItems(i).SubItems(8) = Format(Now, "HH:MM:SS")
    End If
    wcl(Idx).SendData "50010;counter;" & lstMain.ListItems(i).SubItems(4)
    DoEvents
    Exit For
End If
Next i
End If
End Sub

```

```

Private Sub wly_ConnectionRequest(Index As Integer, ByVal requestID As Long)
    tLayar = tLayar + 1
    Load wly(tLayar)
    DoEvents
    wly(tLayar).Close
    wly(tLayar).Accept requestID
    DoEvents
    Call AddLog("Request Coonnection from [LY] " &
wly(Index).RemoteHostIP & ":" & wly(Index).RemotePort)
End Sub

```

```

Private Sub wly_DataArrival(Index As Integer, ByVal bytesTotal As Long)
Dim strLayar As String, LoopLayar
wly(Index).GetData strLayar
DoEvents
If Len(strLayar) = 0 Then Exit Sub

```

```

LoopLayar = Split(strLayar, ";")
If UBound(LoopLayar) > 0 And UBound(LoopLayar) < 10 Then
    For i = 0 To UBound(LoopLayar)
        InLayar(i + 1) = LoopLayar(i)
    Next i
End If

```

```

Select Case InData(1)
    Case "10000"
        wly(Index).SendData "10010;antrianlayar;connect"
        DoEvents
End Select
Call AddLog(wly(Index).RemoteHostIP & "MSG " & strLayar)
End Sub

```

```

Private Sub AddLog(ByVal strLog As String)

```

```
List1.AddItem Format(Time, "hh:mm:ss") & " " & strLog
List1.ListIndex = List1.ListCount - 1
End Sub
```

```
Private Sub wtc_ConnectionRequest(Index As Integer, ByVal requestID As
Long)
    tTkt = tTkt + 1
    Load wtc(tTkt)
    DoEvents
    wtc(tTkt).Close
    wtc(tTkt).Accept requestID
    DoEvents
    Call AddLog("Request Coonnection from [TC] " &
wtc(Index).RemoteHostIP & ":" & wtc(Index).RemotePort)
End Sub
```

```
Private Sub wtc_DataArrival(Index As Integer, ByVal bytesTotal As Long)
Dim strTk As String, LoopTk
wtc(Index).GetData strTk
DoEvents
If Len(strTk) = 0 Then Exit Sub
```

```
LoopTk = Split(strTk, ";")
If UBound(LoopTk) > 0 And UBound(LoopTk) < 10 Then
    For i = 0 To UBound(LoopTk)
        InTk(i + 1) = LoopTk(i)
    Next i
End If
```

```
Select Case InTk(1)
Case "10000"
    wtc(Index).SendData "10010;antrianticket;connect"
    DoEvents: DoEvents
    wtc(Index).SendData "40010;ticket;" & Format(NoTiket, "000")
    DoEvents: DoEvents
Case "40000"
    NoRM = InData(3)
    NoTiket = NoTiket + 1
    For i = 1 To tTkt
        If wtc(i).State = 7 Then
            wtc(i).SendData "40010;ticket;" & Format(NoTiket, "000")
            DoEvents
        End If
    Next i
    For j = 1 To tMax
        If wcl(j).State = 7 Then
            wcl(j).SendData "40010;ticket;" & Format(NoTiket, "000")
            DoEvents
        End If
```

```

Next j
For i = 1 To tLayar
    If wly(i).State = 7 Then
        wly(i).SendData "40010;ticket;" & NoTiket - NoAntri
        DoEvents
    End If
Next i
End Select
Call AddLog(wtc(Index).RemoteHostIP & "MSG " & strTk)
End Sub

```

2. Layar antrian

```

Dim WaktuRata As Single
Private InData(10) As String, sLoket As String

Private Sub Form_Load()
    List1.ForeColor = vbBlack
    AntrianKe = "000"
    Text1.Text = Format(NoAntri, "000")
    imJLoket.Picture = LoadPicture(App.Path & "\images\loket.bmp")
    imJUrut.Picture = LoadPicture(App.Path & "\images\urut.bmp")
    imJRT.Picture = LoadPicture(App.Path & "\images\waktu.bmp")
    imJJA.Picture = LoadPicture(App.Path & "\images\mengantri.bmp")

    ws.LocalPort = 0
    ws.Close
    ws.Connect Trim(IP_Server), Port_Server
    DoEvents
    StsCon = False
    Do While Not ws.State = 7
        DoEvents
        DoEvents
        Ulang = Ulang + 1
        If Ulang = 1000 Then Exit Do
    Loop

    If ws.State = 7 Then
        ws.SendData "10000;antrianlayar;connect"
        DoEvents
    Else
        StsCon = False
    End If
End Sub

Private Sub imgReset_DblClick()
    Dim Pesan
    Pesan = MsgBox("Reset Counter ke 0", vbYesNo + vbQuestion, "Reset Counter ?")

```

```

If Pesan = vbYes Then
    NoAntri = 0
End If
End Sub

Private Sub Text1_Change()
If Len(Text1.Text) = 3 Then
    Call TampilAngka
End If
End Sub

Private Sub TampilAngka()
    If (Len(Trim(Str(Val(Text1.Text)))) = 1) Then
        NoAnim(2).Open App.Path & "\data\" & Right(Text1.Text, 1) & ".avi"
        NoAnim(2).Play
        imUrut(2).Picture = LoadPicture(App.Path & "\images\" &
Right(Text1.Text, 1) & ".bmp")
        DoEvents
        imUrut(1).Picture = LoadPicture("")
        DoEvents
        imUrut(0).Picture = LoadPicture("")
        DoEvents
    End If

    If (Len(Trim(Str(Val(Text1.Text)))) = 2) Then
        imUrut(2).Picture = LoadPicture(App.Path & "\images\" &
Right(Text1.Text, 1) & ".bmp")
        DoEvents
        imUrut(1).Picture = LoadPicture(App.Path & "\images\" &
Mid(Text1.Text, 2, 1) & ".bmp")
        DoEvents
        imUrut(0).Picture = LoadPicture("")
        DoEvents
    End If

    If (Len(Trim(Str(Val(Text1.Text)))) = 3) Then
        imUrut(2).Picture = LoadPicture(App.Path & "\images\" &
Right(Text1.Text, 1) & ".bmp")
        DoEvents
        imUrut(1).Picture = LoadPicture(App.Path & "\images\" &
Mid(Text1.Text, 2, 1) & ".bmp")
        DoEvents
        imUrut(0).Picture = LoadPicture(App.Path & "\images\" &
Left(Text1.Text, 1) & ".bmp")
        DoEvents
    End If
    imLoket.Picture = LoadPicture(App.Path & "\images\" & sLoket & ".bmp")
    DoEvents
End Sub

```

```

Private Sub TampilJA()
    If (Len(Trim(Str(Val(JmlAntri)))) = 1) Then
        Me.Caption = "Jml Antrian " & JmlAntri
        imJA(1).Picture = LoadPicture(App.Path & "\images\m_" &
Right(Trim(Str(Val(JmlAntri))), 1) & ".bmp")
        DoEvents
        imJA(0).Picture = LoadPicture("")
        DoEvents
    End If

    If (Len(Trim(Str(Val(JmlAntri)))) = 2) Then
        imJA(1).Picture = LoadPicture(App.Path & "\images\m_" &
Right(Trim(Str(Val(JmlAntri))), 1) & ".bmp")
        DoEvents
        imJA(0).Picture = LoadPicture(App.Path & "\images\m_" &
Left(Trim(Str(Val(JmlAntri))), 1) & ".bmp")
        DoEvents
    End If

    'If (Len(Trim(Str(Val(WaktuRata)))) = 1) Then
    ' imRT(1).Picture = LoadPicture(App.Path & "\images\m_" &
Right(Trim(Str(Val(WaktuRata))), 1) & ".bmp")
    ' DoEvents
    ' DoEvents
    'End If

    'If (Len(Trim(Str(Val(WaktuRata)))) = 2) Then
    ' imRT(1).Picture = LoadPicture(App.Path & "\images\m_" &
Right(Trim(Str(Val(WaktuRata))), 1) & ".bmp")
    ' DoEvents
    ' imRT(0).Picture = LoadPicture(App.Path & "\images\m_" &
Left(Trim(Str(Val(WaktuRata))), 1) & ".bmp")
    ' DoEvents
    'End If
End Sub

Private Sub tmrPlay_Timer()
Dim CekData As String, LoopUrut, InCek(10) As String
If List1.ListCount > 0 Then
    tmrPlay.Enabled = False
    CekData = List1.List(0)
    LoopUrut = Split(CekData, ";")
    If UBound(LoopUrut) > 0 And UBound(LoopUrut) < 10 Then
        For I = 0 To UBound(LoopUrut)
            InCek(I + 1) = LoopUrut(I)
        Next I
    End If
    sLoket = Val(InCek(1))

```

```

Text1.Text = Format(InCek(2), "000")
If SndBell = 1 Then
    sndPlaySound App.Path & "\sound\bell.wav", 0
    DoEvents
    Sleep (100)
End If
For Ulang = 1 To anUlang
    Call Text2Sp(InCek(2), InCek(1))
    DoEvents
    If anUlang > 1 Then Sleep (200)
Next Ulang
List1.RemoveItem 0
List1.Refresh
tmrPlay.Enabled = True
End If
End Sub

Private Sub ws_DataArrival(ByVal bytesTotal As Long)
Dim strData As String, LoopData
Dim Rata As Single
ws.GetData strData
DoEvents
If Len(strData) = 0 Then Exit Sub

LoopData = Split(strData, ";")
If UBound(LoopData) > 0 And UBound(LoopData) < 10 Then
    For I = 0 To UBound(LoopData)
        InData(I + 1) = LoopData(I)
    Next I
End If

Select Case InData(1)
    Case "10010"
        StsCon = True
    Case "20010"
        NoAntri = Val(InData(4))
        JmlAntri = Abs(Val(InData(5)))
        WaktuRata = Abs(Val(InData(6)))

        If WaktuRata > 0 Then
            If WaktuRata > 0 Then
                Rata = WaktuRata * 60
                lblRata.Caption = Format(Rata, "##,##") & " Detik"
            Else
                lblRata.Caption = 0
            End If
        Else
            lblRata.Caption = 0
        End If
End Select

```

```

    Call TampilJA
    List1.AddItem Val(InData(3)) & ";" & NoAntri
    List1.Refresh
    DoEvents
Case "60000"
    NoAntri = Val(InData(4))
    List1.AddItem Val(InData(3)) & ";" & NoAntri
    List1.Refresh
    DoEvents
Case "40010"
    JmlAntri = Abs(Val(InData(3)))
    DoEvents
    Call TampilJA
End Select
End Sub

```

3. Tiket

```

Dim rsCari As Recordset
Private Declare Sub InitCommonControls Lib "comctl32.dll" ()
Dim InData(10) As String, NoTiket As Long
Dim strJamTutup As String

Private Sub Form_Activate()
    Timer1.Enabled = True
    Set rsCari = New ADODB.Recordset
    rsCari.Open "Select * from atur", CN, 1, 2
    If Not rsCari.EOF = True Then
        lblNmBank.Caption = rsCari!NmBank
        strJamTutup = rsCari!JamTutup

    Else
        txtNmBank.Text = "XXXXXXXXXX"
        strJamTutup = "15"
    End If

    lblTgl.Caption = Format(Now, "dddd") & " " & Format(Now, "dd-mm-yyyy")
    lblTutup.Visible = False
End Sub

Private Sub Form_Initialize()
    InitCommonControls
End Sub

Private Sub Form_KeyPress(KeyAscii As Integer)
    If KeyAscii = 13 Then
        imTombol_Click
    End If

```



```

End Sub

Private Sub Form_Load()
Koneksi
Timer1.Enabled = True

ws.LocalPort = 0
ws.Close
ws.Connect Trim(IP_Server), Port_Server
DoEvents
StsCon = False
Do While Not ws.State = 7
    DoEvents
    DoEvents
    Ulang = Ulang + 1
    If Ulang = 1000 Then Exit Do
Loop

If ws.State = 7 Then
    ws.SendData "10000;AntrianTicket;connect"
    DoEvents
Else
    StsCon = False
End If
End Sub

Public Sub PrintAlignedText(s As String, Alignment As String)
    Select Case Alignment
    Case "Center"
        Printer.CurrentX = (Printer.ScaleWidth - Printer.TextWidth(s)) \ 2
    Case "Left"
        Printer.CurrentX = 0
    Case "Right"
        Printer.CurrentX = Printer.ScaleWidth - Printer.TextWidth(s)
    End Select
    Printer.Print s
End Sub

Private Sub imTombol_Click()
imTombol.Enabled = False
imTombol.Caption = "Tunggu"
If ws.State = 7 Then
    ws.SendData "40000;Ticket;000000000000000000" & lblNo.Caption + 1
    DoEvents
End If
Sleep (2000)
imTombol.Enabled = True
imTombol.Caption = "Ambil Tiket"
End Sub

```

```

Private Sub lblNo_Change()
If Len(lblNo.Caption) = 3 Then
    For i = 1 To Len(lblNo.Caption)
        imAng(i - 1).Picture = LoadPicture(App.Path & "\images\" &
Mid(lblNo.Caption, i, 1) & ".bmp")
        lblAng(i - 1).Caption = lblAng(i - 1).Caption + 1
        DoEvents
    Next i
End If
End Sub

```

```

Private Sub Timer1_Timer()
Set rsCari = New ADODB.Recordset
rsCari.Open "Select * from atur", CN, 1, 2
If Not rsCari.EOF = True Then
    lblNmBank.Caption = rsCari!NmBank
    strJamTutup = rsCari!JamTutup
Else
    txtNmBank.Text = "XXXXXXXXXX"
    strJamTutup = "15"
End If
Set rsCari = Nothing
Jam = Format(Time$, "HH:MM:SS")
Me.Caption = Jam
If Jam > strJamTutup Then
    lblTutup.Visible = True
    Timer1.Enabled = False
    Timer2.Enabled = True
    imTombol.Enabled = False
Else
    Timer2.Enabled = False
    imTombol.Enabled = True
    lblTutup.Visible = False
End If
End Sub

```

```

Private Sub Timer2_Timer()
If lblTutup.Visible = True Then
    lblTutup.Visible = False
Else
    lblTutup.Visible = True
End If
End Sub

```

```

Private Sub ws_DataArrival(ByVal bytesTotal As Long)
Dim strData As String
ws.GetData strData

```

```
DoEvents
```

```
LoopData = Split(strData, ";")
If UBound(LoopData) > 0 And UBound(LoopData) < 10 Then
    For i = 0 To UBound(LoopData)
        InData(i + 1) = LoopData(i)
    Next i
End If
Select Case InData(1)
    Case "10010"
        StsCon = True
    Case "40010"
        lblNo.Caption = InData(3)
        DoEvents
        NoTiket = InData(3)
    Case "20010"
        lblNo.Caption = InData(3)
        lblKe.Caption = InData(3)
        DoEvents
End Select
End Sub

'End Sub
```

4. Counter 1

```
Private InData(10) As String
Private Declare Sub InitCommonControls Lib "comctl32.dll" ()

Private Sub cmdAntri_Click()
    If ws.State = 7 Then
        ws.SendData "60000;panggilulang;" & NoLoket & ";" & Val(lblNo)
        DoEvents
    End If
End Sub
Private Sub cmdCount_Click()
    NoLoket = 1
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
        AntrianLoket = Val(lblNo.Caption) + 1
    End If
End Sub

Private Sub cmdCount2_Click()
    NoLoket = 2
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
    End If
End Sub
```

```

    AntrianLoket = Val(lblNo.Caption) + 1
End If
End Sub

Private Sub cmdCount3_Click()
    NoLoket = 3
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
        AntrianLoket = Val(lblNo.Caption) + 1
    End If
End Sub

Private Sub cmdSelesai_Click()
    If StsCon = True Then
        cmdSelesai.Enabled = False
        ws.SendData "40000;counter;" & NoLoket
        DoEvents
        cmdSelesai.Enabled = True
        cmdSelesai.SetFocus
    End If
End Sub

Private Sub Form_Initialize()
    InitCommonControls
End Sub
Private Sub Form_Load()
    Dim Ulang
    Me.Caption = "Counter Antrian - Loket " & NoLoket
    Me.Left = Screen.Width - Me.Width - 70
    Me.Top = Screen.Height - Me.Height - 520
    Call OpenCon
    MinMode = False
End Sub

Private Sub OpenCon()
    ws.Close
    ws.LocalPort = 0
    ws.Connect Trim(IP_Server), Port_Server
    DoEvents
    StsCon = False
    Do While Not ws.State = 7
        DoEvents
        DoEvents
        Ulang = Ulang + 1
        If Ulang = 1000 Then Exit Do
    Loop

    If ws.State = 7 Then

```

```

ws.SendData "10000;antrian;connect;" & NoLoket
DoEvents
StsCon = True
Else
StsCon = False
End If
End Sub

Private Sub Form_QueryUnload(Cancel As Integer, UnloadMode As Integer)
tmrCon.Enabled = False
Unload Me
End
End Sub

Private Sub lblAnt_Change()
If Len(lblAnt.Caption) < 1 Then
Exit Sub
Else
If Val(lblAnt.Caption) <> 20010 Then

If Val(lblAnt.Caption) - Val(lblNo.Caption) < 1 Then
cmdCount.Enabled = False
cmdCount2.Enabled = False
cmdCount3.Enabled = False
Else
cmdCount.Enabled = True
cmdCount2.Enabled = True
cmdCount3.Enabled = True
End If
Else
cmdCount.Enabled = False
cmdCount2.Enabled = False
cmdCount3.Enabled = False
End If
End If
End Sub

Private Sub lblLayan_Change()
If Len(lblLayan.Caption) < 1 Then
Exit Sub
Else
If Val(lblAnt.Caption) - Val(lblLayan.Caption) < 1 Then
cmdCount.Enabled = False
cmdCount2.Enabled = False
cmdCount3.Enabled = False
Else
cmdCount.Enabled = True
cmdCount2.Enabled = True
cmdCount3.Enabled = True

```

```
End If
End If
End Sub
```

```
Private Sub tJam_Timer()
lblJam.Caption = Time
If ws.State <> 7 Then
    cmdCount.Enabled = False
    cmdAntri.Enabled = False
    cmdCount.Caption = "Not Connected"
    cmdCount2.Caption = "Not Connected"
    cmdCount3.Caption = "Not Connected"
    tmrCon.Enabled = True
    StsCon = False
Else
    cmdAntri.Enabled = True
    cmdCount.Caption = "&Panggil Antrian Loker 1"
    cmdCount2.Caption = "&Panggil Antrian Loker 2"
    cmdCount3.Caption = "&Panggil Antrian Loker 3"
    tmrCon.Enabled = False
    StsCon = True
End If
End Sub
```

```
Private Sub tmrCon_Timer()
Call OpenCon
End Sub
```

```
Private Sub ws_DataArrival(ByVal bytesTotal As Long)
Dim strData As String
ws.GetData strData
DoEvents
LoopData = Split(strData, ";")
If UBound(LoopData) > 0 And UBound(LoopData) < 10 Then
    For i = 0 To UBound(LoopData)
        InData(i + 1) = LoopData(i)
    Next i
End If
```

```
Select Case InData(1)
Case "10010"
    StsCon = True
Case "20010"
    lblNo.Caption = Val(InData(3))
    DoEvents
Case "40010"
    lblAnt.Caption = Val(InData(3))
    DoEvents
Case "50010"
```

```
        lblLayan.Caption = InData(3)
    End Select
End Sub
```

5. Counter 2

```
Private InData(10) As String
Private Declare Sub InitCommonControls Lib "comctl32.dll" ()

Private Sub cmdAntri_Click()
    If ws.State = 7 Then
        ws.SendData "60000;panggilulang;" & NoLoket & ";" & Val(lblNo)
        DoEvents
    End If
End Sub

Private Sub cmdCount_Click()
    NoLoket = 1
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
        AntrianLoket = Val(lblNo.Caption) + 1
    End If
End Sub

Private Sub cmdCount2_Click()
    NoLoket = 2
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
        AntrianLoket = Val(lblNo.Caption) + 1
    End If
End Sub

Private Sub cmdCount3_Click()
    NoLoket = 3
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
        AntrianLoket = Val(lblNo.Caption) + 1
    End If
End Sub

Private Sub cmdSelesai_Click()
    If StsCon = True Then
        cmdSelesai.Enabled = False
        ws.SendData "40000;counter;" & NoLoket
        DoEvents
        cmdSelesai.Enabled = True
        cmdSelesai.SetFocus
    End If
End Sub
```

```
End If  
End Sub
```

```
Private Sub Form_Initialize()  
InitCommonControls  
End Sub  
Private Sub Form_Load()  
Dim Ulang  
Me.Caption = "Counter Antrian - Loker " & NoLoker  
Me.Left = Screen.Width - Me.Width - 70  
Me.Top = Screen.Height - Me.Height - 520  
Call OpenCon  
MinMode = False  
End Sub
```

```
Private Sub OpenCon()  
ws.Close  
ws.LocalPort = 0  
ws.Connect Trim(IP_Server), Port_Server  
DoEvents  
StsCon = False  
Do While Not ws.State = 7  
    DoEvents  
    DoEvents  
    Ulang = Ulang + 1  
    If Ulang = 1000 Then Exit Do  
Loop
```

```
If ws.State = 7 Then  
    ws.SendData "10000;antrian;connect;" & NoLoker  
    DoEvents  
    StsCon = True  
Else  
    StsCon = False  
End If  
End Sub
```

```
Private Sub Form_QueryUnload(Cancel As Integer, UnloadMode As Integer)  
tmrCon.Enabled = False  
Unload Me  
End  
End Sub
```

```
Private Sub lblAnt_Change()  
If Len(lblAnt.Caption) < 1 Then  
    Exit Sub  
Else  
    If Val(lblAnt.Caption) <> 20010 Then
```



```

    If Val(lblAnt.Caption) - Val(lblNo.Caption) < 1 Then
        cmdCount.Enabled = False
        cmdCount2.Enabled = False
        cmdCount3.Enabled = False
    Else
        cmdCount.Enabled = True
        cmdCount2.Enabled = True
        cmdCount3.Enabled = True
    End If
Else
    cmdCount.Enabled = False
    cmdCount2.Enabled = False
    cmdCount3.Enabled = False
End If
End If
End Sub

```

```

Private Sub lblLayan_Change()
If Len(lblLayan.Caption) < 1 Then
    Exit Sub
Else
If Val(lblAnt.Caption) - Val(lblLayan.Caption) < 1 Then
    cmdCount.Enabled = False
    cmdCount2.Enabled = False
    cmdCount3.Enabled = False
Else
    cmdCount.Enabled = True
    cmdCount2.Enabled = True
    cmdCount3.Enabled = True
End If
End If
End Sub

```

```

Private Sub tJam_Timer()
lblJam.Caption = Time
If ws.State <> 7 Then
    cmdCount.Enabled = False
    cmdAntri.Enabled = False
    cmdCount.Caption = "Not Connected"
    cmdCount2.Caption = "Not Connected"
    cmdCount3.Caption = "Not Connected"
    tmrCon.Enabled = True
    StsCon = False
Else
    cmdAntri.Enabled = True
    cmdCount.Caption = "&Panggil Antrian Loker 1"
    cmdCount2.Caption = "&Panggil Antrian Loker 2"
    cmdCount3.Caption = "&Panggil Antrian Loker 3"
    tmrCon.Enabled = False

```

```

        StsCon = True
    End If
End Sub

Private Sub tmrCon_Timer()
    Call OpenCon
End Sub

Private Sub ws_DataArrival(ByVal bytesTotal As Long)
    Dim strData As String
    ws.GetData strData
    DoEvents
    LoopData = Split(strData, ";")
    If UBound(LoopData) > 0 And UBound(LoopData) < 10 Then
        For i = 0 To UBound(LoopData)
            InData(i + 1) = LoopData(i)
        Next i
    End If

    Select Case InData(1)
        Case "10010"
            StsCon = True
        Case "20010"
            lblNo.Caption = Val(InData(3))
            DoEvents
        Case "40010"
            lblAnt.Caption = Val(InData(3))
            DoEvents
        Case "50010"
            lblLayan.Caption = InData(3)
    End Select
End Sub

```

6. Counter 3

```

Private InData(10) As String
Private Declare Sub InitCommonControls Lib "comctl32.dll" ()

Private Sub cmdAntri_Click()
    If ws.State = 7 Then
        ws.SendData "60000;panggilulang;" & NoLoket & ";" & Val(lblNo)
        DoEvents
    End If
End Sub

Private Sub cmdCount_Click()
    NoLoket = 1
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
    End If
End Sub

```

```

    AntrianLoket = Val(lblNo.Caption) + 1
End If
End Sub

Private Sub cmdCount2_Click()
    NoLoket = 2
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
        AntrianLoket = Val(lblNo.Caption) + 1
    End If
End Sub

Private Sub cmdCount3_Click()
    NoLoket = 3
    If StsCon = True Then
        ws.SendData "30000;counter;" & NoLoket
        DoEvents
        AntrianLoket = Val(lblNo.Caption) + 1
    End If
End Sub

Private Sub cmdSelesai_Click()
    If StsCon = True Then
        cmdSelesai.Enabled = False
        ws.SendData "40000;counter;" & NoLoket
        DoEvents
        cmdSelesai.Enabled = True
        cmdSelesai.SetFocus
    End If
End Sub

Private Sub Form_Initialize()
    InitCommonControls
End Sub

Private Sub Form_Load()
    Dim Ulang
    Me.Caption = "Counter Antrian - Loket " & NoLoket
    Me.Left = Screen.Width - Me.Width - 70
    Me.Top = Screen.Height - Me.Height - 520
    Call OpenCon
    MinMode = False
End Sub

Private Sub OpenCon()
    ws.Close
    ws.LocalPort = 0
    ws.Connect Trim(IP_Server), Port_Server
    DoEvents

```

```

StsCon = False
Do While Not ws.State = 7
    DoEvents
    DoEvents
    Ulang = Ulang + 1
    If Ulang = 1000 Then Exit Do
Loop

If ws.State = 7 Then
    ws.SendData "10000;antrian;connect;" & NoLoket
    DoEvents
    StsCon = True
Else
    StsCon = False
End If
End Sub

Private Sub Form_QueryUnload(Cancel As Integer, UnloadMode As Integer)
tmrCon.Enabled = False
Unload Me
End
End Sub

Private Sub lblAnt_Change()
If Len(lblAnt.Caption) < 1 Then
    Exit Sub
Else
    If Val(lblAnt.Caption) <> 20010 Then

        If Val(lblAnt.Caption) - Val(lblNo.Caption) < 1 Then
            cmdCount.Enabled = False
            cmdCount2.Enabled = False
            cmdCount3.Enabled = False
        Else
            cmdCount.Enabled = True
            cmdCount2.Enabled = True
            cmdCount3.Enabled = True
        End If
    Else
        cmdCount.Enabled = False
        cmdCount2.Enabled = False
        cmdCount3.Enabled = False
    End If
End If
End Sub

Private Sub lblLayan_Change()
If Len(lblLayan.Caption) < 1 Then
    Exit Sub

```

```

Else
If Val(lblAnt.Caption) - Val(lblLayan.Caption) < 1 Then
    cmdCount.Enabled = False
    cmdCount2.Enabled = False
    cmdCount3.Enabled = False
Else
    cmdCount.Enabled = True
    cmdCount2.Enabled = True
    cmdCount3.Enabled = True
End If
End If
End Sub

Private Sub tJam_Timer()
lblJam.Caption = Time
If ws.State <> 7 Then
    cmdCount.Enabled = False
    cmdAntri.Enabled = False
    cmdCount.Caption = "Not Connected"
    cmdCount2.Caption = "Not Connected"
    cmdCount3.Caption = "Not Connected"
    tmrCon.Enabled = True
    StsCon = False
Else
    cmdAntri.Enabled = True
    cmdCount.Caption = "&Panggil Antrian Loker 1"
    cmdCount2.Caption = "&Panggil Antrian Loker 2"
    cmdCount3.Caption = "&Panggil Antrian Loker 3"
    tmrCon.Enabled = False
    StsCon = True
End If
End Sub

Private Sub tmrCon_Timer()
Call OpenCon
End Sub

Private Sub ws_DataArrival(ByVal bytesTotal As Long)
Dim strData As String
ws.GetData strData
DoEvents
LoopData = Split(strData, ";")
If UBound(LoopData) > 0 And UBound(LoopData) < 10 Then
    For i = 0 To UBound(LoopData)
        InData(i + 1) = LoopData(i)
    Next i
End If

Select Case InData(1)

```

```
Case "10010"  
    StsCon = True  
Case "20010"  
    lblNo.Caption = Val(InData(3))  
    DoEvents  
Case "40010"  
    lblAnt.Caption = Val(InData(3))  
    DoEvents  
Case "50010"  
    lblLayan.Caption = InData(3)  
End Select  
End Sub
```

Diansah hutabarat S.kom
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Hp : 081362161894

DAFTAR RIWAYAT HIDUP

Data pribadi :

Nama : Diansah hutabarat S.kom
Umur : 26 Tahun
Tempat tanggal Lahir : Mutiara damai, 28 Januari 1987
Jenis Kelamin : Laki-laki
Telp/Hp : 081362161894
Agama : Islam
Status : Belum Menikah
Alamat : Desa Mutiara Damai, No 45, Kec.Babul Rahmah,
Kab.Aceh Tenggara, NAD

Pendidikan :

1994 - 2000 : SD Negeri I Meranti
2000 - 2003 : SMP Negeri I Lawe Alas
2003 - 2006 : SMA Negeri I Lawe Alas
2006 - 2013 : Universitas Sumatera Utara

Kemampuan :

- Kemampuan Komputer (Operasi Windows, Ms Office dan Internet)
- Kemampuan di bidang Hardware dan Software komputer,
- Mengikuti beberapa Kursus :
 - *How o build augmented Reality For Mobile Application*
 - *Swisscontact Multi Donor Fund*
 - Tenaga Teknis PNPM Mandiri
- Pengalaman menjadi teknisi komputer di beberapa warnet di daerah Sumater Utara.

Kualifikasi :

- Mempunyai sikap yang ingin maju, berinisiatif, motivasi yang tinggi, berpendirian, jujur dan bertanggung jawab terhadap pekerjaan.
- Mau berkerja keras dan belajar tentang hal – hal yang baru.

- Bersedia dikritik dan menerima saran yang membangun tentang pekerjaan.
- Bersedia dan mampu bekerja dalam team work, bersedia dipimpin dan mampu memimpin.

Hormat saya,

Diansah hutabarat S.kom