Lampiran : Perangkat Lunak Dan Spesifikasi Alat

Server Untuk Satu Tampilan

Dim iSockets As Integer
Dim sServerMsg As String
Dim sStatusBar As String
Dim sRequestID As String
Dim i As Integer
Const PORT = 1007

Private Declare Function Preview Lib "CamCap.dll" () As Long
Private Declare Sub CleanUp Lib "CamCap.dll" ()
Private Declare Function StartUp Lib "CamCap.dll" () As Long

Private Sub Form_Load()
    If (StartUp = 0) Then
        MsgBox "Error in Initializing. Make sure that video capture device is installed properly",
        vbOKOnly Or vbCritical, "Error"
        Unload Me
    Else
        Me.ScaleMode = 3
        sStatusBar = "Local IP Address:" & socket(0).LocalIP
        socket(0).LocalPort = PORT
        sServerMsg = "Listening to port:" & socket(0).LocalPort
        List1.AddItem (sServerMsg)
        StatusBar1.SimpleText = sStatusBar
        socket(0).Listen
        Preview Me.Picture1.hwnd, 0
    End If
End Sub

Private Sub Form_Unload()
    CleanUp
End Sub

Private Sub socket_Close(Index As Integer)
    Timer1.Enabled = False
    sServerMsg = "Connection closed:" & socket(Index).RemoteHostIP
    List1.AddItem (sServerMsg)
    socket(Index).Close
    Unload socket(Index)
    iSockets = iSockets - 1
    sServerMsg = "Connection:" & iSockets
    List1.AddItem (sServerMsg)
End Sub

Private Sub socket_ConnectionRequest(Index As Integer, ByVal requestID As Long)
    sServerMsg = "Connection request id:" & requestID & "from:" & socket(Index).RemoteHostIP
    If Index = 0 Then
        List1.AddItem (sServerMsg)
        sRequestID = requestID
        iSockets = iSockets + 1
        sServerMsg = "Connection:" & iSockets
        List1.AddItem (sServerMsg)
    End If
End Sub
List1.AddItem (sServerMsg)
Load socket(iSockets)
socket(iSockets).LocalPort = PORT
socket(iSockets).Accept requestID
If iSockets > 1 Then
    List1.AddItem ("Connection refused : " & socket(Index).RemoteHostIP & " Reason : Busy")
    socket(iSockets).SendData "Busy"
    socket(iSockets).Close
    Unload socket(iSockets)
iSockets = iSockets - 1
sServerMsg = "Connection : " & iSockets
List1.AddItem (sServerMsg)
Else
    Timer1.Enabled = True
End If
Else
    Timer1.Enabled = True
End If
End Sub

Private Sub Timer1_Timer()
Dim Ih As Object
Dim nQuality As Integer
Dim strPath As String
Dim strMsg As String
Dim lngResult As Long
strPath = "temp.jpg"

nQuality = 75

Set Ih = CreateObject("ImageHandler.RectToJpeg")

If IsObject(Ih) Then
    lngResult = Ih.HdcToJpeg(Picture1.hDC, _
        0, _
        0, _
        Picture1.Width - 4, _
        Picture1.Height - 4, _
        nQuality, _
        strPath, _
        strMsg)
Else
    MsgBox ("Could not create 'ImageHandler.RectToJpeg' object")
    Timer1.Enabled = False
    Exit Sub
End If
If iSockets = 1 Then
    Dim varInput As Byte
    Dim length As Long
    Dim i As Long

    length = FileLen("temp.jpg")
Lampiran : Perangkat Lunak Dan Spesifikasi Alat

On Error GoTo FileError
socket(iSockets).SendData "START"
Open "temp.jpg" For Binary As #1

For i = 1 To length
    Get #1, i, varInput
    socket(iSockets).SendData varInput
Next i
Close #1
socket(iSockets).SendData "STOP"
Exit Sub

FileError:
    Timer1.Enabled = False
Else
    Timer1.Enabled = False
End If
End Sub
Server Untuk Dua Tampilan

Dim iSockets As Integer
Dim sServerMsg As String
Dim sStatusBar As String
Dim sRequestID As String
Dim i As Integer

Private Declare Function Preview Lib "CamCapSelectable.dll" () As Long
Private Declare Sub CleanUp Lib "CamCapSelectable.dll" ()
Private Declare Function StartUp Lib "CamCapSelectable.dll" () As Long

Private Sub Command1_Click()
    If (StartUp(CInt(Text1.Text)) = 0) Then
        MsgBox "Error in Initializing. Make sure that video capture device is installed properly", vbOKOnly Or vbCritical, "Error"
        Unload Me
    Else
        Me.ScaleMode = 3
        sStatusBar = "Local IP Address :" & socket(0).LocalIP
        socket(0).LocalPort = CInt(Text2.Text)
        sServerMsg = "Listening to port: " & socket(0).LocalPort
        List1.AddItem (sServerMsg)
        sStatusBar = sStatusBar
        socket(0).Listen
        Preview Me.Picture1.hwnd, 0
        Command1.Enabled = False
        Text1.Enabled = False
        Text2.Enabled = False
    End If
End Sub

Private Sub Form_Unload()
    CleanUp
End Sub

Private Sub socket_Close(Index As Integer)
    Timer1.Enabled = False
    sServerMsg = "Connection closed: " & socket(Index).RemoteHostIP
    List1.AddItem (sServerMsg)
    socket(Index).Close
    Unload socket(Index)
    iSockets = iSockets - 1
    sServerMsg = "Connection : " & iSockets
    List1.AddItem (sServerMsg)
End Sub

Private Sub socket_ConnectionRequest(Index As Integer, ByVal requestID As Long)
    sServerMsg = "Connection request id " & requestID & " from " & socket(Index).RemoteHostIP
    If Index = 0 Then
        List1.AddItem (sServerMsg)
        sRequestID = requestID
    End Sub
iSockets = iSockets + 1
sServerMsg = "Connection : " & iSockets
List1.AddItem (sServerMsg)
Load socket(iSockets)
socket(iSockets).LocalPort = CInt(Text2.Text)
socket(iSockets).Accept requestID
If iSockets > 1 Then
    List1.AddItem ("Connection refused : " & socket(Index).RemoteHostIP & " Reason : Busy")
    socket(iSockets).SendData "Busy"
    socket(iSockets).Close
    Unload socket(iSockets)
iSockets = iSockets - 1
    sServerMsg = "Connection : " & iSockets
    List1.AddItem (sServerMsg)
Else
    Timer1.Enabled = True
End If
End If
End Sub

Private Sub Timer1_Timer()
    Dim Ih As Object
    Dim nQuality As Integer
    Dim strPath As String
    Dim strMsg As String
    Dim lngResult As Long
    strPath = "temp.jpg"
    nQuality = 75
    Set Ih = CreateObject("ImageHandler.RectToJpeg")
    If IsObject(Ih) Then
        lngResult = Ih.HdcToJpeg(Picture1.hDC, _
            0, _
            0, _
            Picture1.Width - 4, _
            Picture1.Height - 4, _
            nQuality, _
            strPath, _
            strMsg)
    Else
        MsgBox ("Could not create 'ImageHandler.RectToJpeg' object")
        Timer1.Enabled = False
        Exit Sub
    End If
    If iSockets = 1 Then
        Dim varInput As Byte
        Dim length As Long
        Dim i As Long
length = FileLen("temp.jpg")

On Error GoTo FileError
socket(iSockets).SendData "START"
Open "temp.jpg" For Binary As #1

For i = 1 To length
   Get #1, i, varInput
   socket(iSockets).SendData varInput
Next i
Close #1
socket(iSockets).SendData "STOP"
Exit Sub

FileError:
   Timer1.Enabled = False
Else
   Timer1.Enabled = False
End If
End Sub
Lampiran : Perangkat Lunak Dan Spesifikasi Alat

Client Untuk Satu Tampilan

Private state As Byte
Private Buffer As String
Private Const WRITING = 1
Private Const IDLE = 0
Private saving As Boolean
Private counter As Integer

Private Declare Function SetRect Lib "user32.dll" (ByRef lprc As AVI_RECT, ByVal xLeft As Long, ByVal yTop As Long, ByVal xRight As Long, ByVal yBottom As Long) As Long

Private Sub WriteAVI(ByVal filename As String, ByVal FrameRate As Integer)
    Dim s$
    Dim InitDir As String
    Dim szOutputAVIFile As String
    Dim res As Long
    Dim pfile As Long
    Dim bmp As cDIB
    Dim ps As Long
    Dim psCompressed As Long
    Dim strhdr As AVI_STREAM_INFO
    Dim BI As BITMAPINFOHEADER
    Dim opts As AVI_COMPRESS_OPTIONS
    Dim pOpts As Long
    Dim I As Long
    szOutputAVIFile = filename$
    res = AVIFileOpen(pfile, szOutputAVIFile, OF_WRITE Or OF_CREATE, 0&)
    If (res <> AVIERR_OK) Then GoTo error
    Set bmp = New cDIB
    s$ = App.Path & "\temp\temp.bmp"
    s2$ = App.Path & "\data2\dat0.jpg"
    Set Picture2.Picture = LoadPicture(s2$)
    Call SavePicture(Picture2.Picture, s$)
    If bmp.CreateFromFile(s$) <> True Then
        MsgBox "Could not load first bitmap file in list!", vbExclamation, App.Title
        GoTo error
    End If
    With strhdr
        .fccType = mmioStringToFOURCC("vids", 0&)
        .fccHandler = 0&
        .dwScale = 1
        .dwRate = Val(FrameRate%)
        .dwSuggestedBufferSize = bmp.SizeImage
        Call SetRect(rcFrame, 0, 0, bmp.Width, bmp.Height)
    End With
End Sub

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End With

If strhdr.dwRate < 1 Then strhdr.dwRate = 1
If strhdr.dwRate > 30 Then strhdr.dwRate = 30

res = AVIFileCreateStream(pfile, ps, strhdr)
If (res <> AVIERR_OK) Then GoTo error

pOpts = VarPtr(opts)
res = AVISaveOptions(lHwnd, ICMF_CHOOSE_KEYFRAME Or ICMF_CHOOSE_DATARATE, 1, ps, pOpts)
If res <> 1 Then
    Call AVISaveOptionsFree(1, pOpts)
    GoTo error
End If

res = AVIMakeCompressedStream(psCompressed, ps, opts, 0&)
If res <> AVIERR_OK Then GoTo error

With BI
    .biBitCount = bmp.BitCount
    .biClrImportant = bmp.ClrImportant
    .biClrUsed = bmp.ClrUsed
    .biCompression = bmp.Compression
    .biHeight = bmp.Height
    .biWidth = bmp.Width
    .biPlanes = bmp.Planes
    .biSize = bmp.SizeInfoHeader
    .biSizeImage = bmp.SizeImage
    .biXPelsPerMeter = bmp.XPPM
    .biYPelsPerMeter = bmp.YPPM
End With

res = AVIStreamSetFormat(psCompressed, 0, ByVal bmp.PointerToBitmapInfo, bmp.SizeBitmapInfo)
If (res <> AVIERR_OK) Then GoTo error

For I = 1 To (counter - 1)
    s$ = App.Path & \"temp\temp.bmp\"
    s2$ = App.Path & \"data2\dat\" & CStr(I) & \".jpg\"
    Set Picture2.Picture = LoadPicture(s2$)
    Call SavePicture(Picture2.Picture, s$)
    bmp.CreateFromFile (s$)
    res = AVIStreamWrite(psCompressed, I - 1, 1, bmp.PointerToBits, bmp.SizeImage, AVIIF_KEYFRAME, ByVal 0&, ByVal 0&)
    If res <> AVIERR_OK Then GoTo error
Next

error:
    Set bmp = Nothing
    Call AVIFileExit
Lampiran : Perangkat Lunak Dan Spesifikasi Alat

MsgBox "There was an error writing the file.", vbInformation, App.Title
End Sub

Private Sub cmdClose_Click()
    If Winsock1.state <> sckClosed Then
        List1.AddItem "Connection Closed"
        Winsock1.Close
    End If
End Sub

Private Sub cmdConnect_Click()
    Winsock1.Close
    Winsock1.RemoteHost = txtIP.Text
    Winsock1.RemotePort = 1007
    Winsock1.Connect
End Sub

Private Sub Command1_Click()
    If saving = True Then
        saving = False
        If counter > 0 Then
            Call AVIFileInit
            Dim s As String
            s = App.Path & ":result\citMovie.avi"
            Call WriteAVI(s, 15)
            Call AVIFileExit
        End If
        counter = 0
        Command2.Enabled = True
        Command1.Enabled = False
    End If
End Sub

Private Sub Command2_Click()
    If saving = False Then
        saving = True
        Command2.Enabled = False
        Command1.Enabled = True
    End If
End Sub

Private Sub Form_Load()
    state = IDLE
    Buffer = ""
    saving = False
    counter = 0
    Command1.Enabled = False
End Sub

Private Sub Winsock1_Close()
    List1.AddItem "Connection closed by server"

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Winsock1.Close
End Sub

Private Sub Winsock1_Connect()
    List1.AddItem "Connected"
End Sub

Private Sub Winsock1_DataArrival(ByVal bytesTotal As Long)
    Dim sData As String
    Winsock1.GetData sData, vbString
    Buffer = Buffer & sData
    If state = IDLE Then
        If (InStr(Buffer, "START") > 0) Then
            state = WRITING
        End If
    End If
    If state = WRITING Then
        If (InStr(Len(Buffer) - 4, Buffer, "STOP") > 0) Then
            state = IDLE
            Dim temp As String
            Open "temp.jpg" For Binary As #1
            temp = Mid(Buffer, 6, Len(Buffer) - 9)
            If saving = True Then
                Dim s As String
                s = App.Path & "\data2\data" & CStr(counter) & "\.jpg"
                frmMain.Caption = s
                Open s For Binary As #2
                Put #2, , temp
                Close #2
                counter = counter + 1
            End If
            Put #1, , temp
            Close #1
            Buffer = ""
        End If
    End If
    Me.PictureBox1.Picture = LoadPicture("temp.jpg")
End Sub
Client Untuk Dua Tampilan

Private state As Byte
Private Buffer As String
Private Const WRITING = 1
Private Const IDLE = 0
Private state2 As Byte
Private Buffer2 As String
Private saving As Boolean
Private saving2 As Boolean
Private counter As Integer
Private counter2 As Integer

Private Declare Function SetRect Lib "user32.dll" (ByRef lprc As AVI_RECT, ByVal xLeft As Long, ByVal yTop As Long, ByVal xRight As Long, ByVal yBottom As Long) As Long

Private Sub WriteAVI(ByVal filename As String, ByVal FrameRate As Integer)
Dim s$
Dim InitDir As String
Dim szOutputAVIFile As String
Dim res As Long
Dim pfile As Long
Dim bmp As cDIB
Dim ps As Long
Dim psCompressed As Long
Dim strhdr As AVI_STREAM_INFO
Dim BI As BITMAPINFOHEADER
Dim opts As AVI_COMPRESS_OPTIONS
Dim pOpts As Long
Dim I As Long

szOutputAVIFile = filename$
res = AVIFileOpen(pfile, szOutputAVIFile, OF_WRITE Or OF_CREATE, 0&)
If (res <> AVIERR_OK) Then GoTo error

Set bmp = New cDIB
s$ = App.Path & ";temp\temp.bmp"
s2$ = App.Path & ";\data\dat0.jpg"
Set Picture3.Picture = LoadPicture(s2$)
Call SavePicture(Picture3.Picture, s$)

If bmp.CreateFromFile(s$) <> True Then
    MsgBox "Could not load first bitmap file in list!", vbExclamation, App.Title
    GoTo error
End If

With strhdr
    .fccType = mmioStringToFOURCC("vids", 0&)
    .fccHandler = 0&
    .dwScale = 1
End With
.dwRate = Val(FrameRate\%)
.dwSuggestedBufferSize = bmp.SizeImage
Call SetRect(.rcFrame, 0, 0, bmp.Width, bmp.Height)
End With

If strhdr.dwRate < 1 Then strhdr.dwRate = 1
If strhdr.dwRate > 30 Then strhdr.dwRate = 30

res = AVIFileCreateStream(pfile, ps, strhdr)
If (res <> AVIERR_OK) Then GoTo error

pOpts = VarPtr(opts)
res = AVISaveOptions(lHwnd, ICMF_CHOOSE_KEYFRAME Or ICMF_CHOOSE_DATARATE, 1, ps, pOpts)
If res <> 1 Then
  Call AVISaveOptionsFree(1, pOpts)
  GoTo error
End If

res = AVIMakeCompressedStream(psCompressed, ps, opts, 0&)
If res <> AVIERR_OK Then GoTo error

With BI
  .biBitCount = bmp.BitCount
  .biClrImportant = bmp.ClrImportant
  .biClrUsed = bmp.ClrUsed
  .biCompression = bmp.Compression
  .biHeight = bmp.Height
  .biWidth = bmp.Width
  .biPlanes = bmp.Planes
  .biSize = bmp.SizeInfoHeader
  .biSizeImage = bmp.SizeImage
  .biXPelsPerMeter = bmp.XPPM
  .biYPelsPerMeter = bmp.YPPM
End With

res = AVIStreamSetFormat(psCompressed, 0, ByVal bmp.PointerToBitmapInfo, bmp.SizeBitmapInfo)
If (res <> AVIERR_OK) Then GoTo error

For I = 1 To (counter - 1)
  s$ = App.Path & \"temp\temp.bmp\" 
  s2$ = App.Path & \"data\dat\" & CStr(I) & \".jpg\"
  Set Picture3.Picture = LoadPicture(s2$)
  Call SavePicture(Picture3.Picture, s$)
  bmp.CreateFromFile (s$)
  res = AVIStreamWrite(psCompressed, I - 1, 1, bmp.PointerToBits, bmp.SizeImage, AVIIF_KEYFRAME, ByVal 0&, ByVal 0&)
  If res <> AVIERR_OK Then GoTo error
Next
error:
   Set bmp = Nothing
   Call AVIFileExit
   MsgBox "There was an error writing the file.", vbInformation, App.Title
End Sub

Private Sub WriteAVI2(ByVal filename As String, ByVal FrameRate As Integer)
   Dim s$
   Dim InitDir As String
   Dim szOutputAVIFile As String
   Dim res As Long
   Dim pfile As Long
   Dim bmp As cDIB
   Dim ps As Long
   Dim psCompressed As Long
   Dim strmhdr As AVI_STREAM_INFO
   Dim BI As BITMAPINFOHEADER
   Dim opts As AVI_COMPRESS_OPTIONS
   Dim pOpts As Long
   Dim I As Long

   szOutputAVIFile = filename$
   res = AVIFileOpen(pfile, szOutputAVIFile, OF_WRITE Or OF_CREATE, 0&)
   If (res <> AVIERR_OK) Then GoTo error
   Set bmp = New cDIB
   s$ = App.Path & "\temp\temp2.bmp"
   s2$ = App.Path & "\data2\dat0.jpg"
   Set Picture4.Picture = LoadPicture(s2$)
   Call SavePicture(Picture4.Picture, s$)
   If bmp.CreateFromFile(s$) <> True Then
      MsgBox "Could not load first bitmap file in list!", vbExclamation, App.Title
      GoTo error
   End If

   With strmhdr
      .fccType = mmioStringToFOURCC("vids", 0&)
      .fccHandler = 0&
      .dwScale = 1
      .dwRate = Val(FrameRate%)  
      .dwSuggestedBufferSize = bmp.SizeImage
      Call SetRect(.rcFrame, 0, 0, bmp.Width, bmp.Height)
   End With

   If strmhdr.dwRate < 1 Then strmhdr.dwRate = 1
   If strmhdr.dwRate > 30 Then strmhdr.dwRate = 30

   res = AVIFileCreateStream(pfile, ps, strmhdr)
   If (res <> AVIERR_OK) Then GoTo error
   pOpts = VarPtr(opts)
End Sub
res = AVISaveOptions(lHwnd, ICMF_CHOOSE_KEYFRAME Or ICMF_CHOOSE_DATARATE, 1, ps, pOpts)
If res <> 1 Then
    Call AVISaveOptionsFree(1, pOpts)
    GoTo error
End If

res = AVIMakeCompressedStream(psCompressed, ps, opts, 0&)
If res <> AVIERR_OK Then GoTo error

With BI
    .biBitCount = bmp.BitCount
    .biClrImportant = bmp.ClrImportant
    .biClrUsed = bmp.ClrUsed
    .biCompress = bmp.Compression
    .biHeight = bmp.Height
    .biWidth = bmp.Width
    .biPlanes = bmp.Planes
    .biSize = bmp.SizeInfoHeader
    .biSizeImage = bmp.SizeImage
    .biXPelsPerMeter = bmp.XPPM
    .biYPelsPerMeter = bmp.YPPM
End With

res = AVIStreamSetFormat(psCompressed, 0, ByVal bmp.PointerToBitmapInfo, bmp.SizeBitmapInfo)
If (res <> AVIERR_OK) Then GoTo error

For I = 1 To (counter2 - 1)
s$ = App.Path & "$temp\temp2.bmp"
s2$ = App.Path & "$data2\dat" & CStr(I) & "$jpg"
Set Picture4.Picture = LoadPicture(s2$)
Call SavePicture(Picture4.Picture, s$)

    bmp.CreateFromFile (s$)
    res = AVIStreamWrite(psCompressed, I - 1, 1, bmp.PointerToBits, bmp.SizeImage, AVIF_KEYFRAME, ByVal 0&, ByVal 0&)
    If res <> AVIERR_OK Then GoTo error
Next

error:
    Set bmp = Nothing
    Call AVIFileExit
    MsgBox "There was an error writing the file.", vbInformation, App.Title
End Sub

Private Sub cmdClose_Click()
    If Winsock1.state <> sckClosed Then
        List1.AddItem "Connection Closed"
        Winsock1.Close
    End If
End Sub
Private Sub cmdConnect_Click()
    Winsock1.Close
    Winsock1.RemoteHost = txtIP.Text
    Winsock1.RemotePort = Text2.Text
    Winsock1.Connect
End Sub

Private Sub Command1_Click()
    Winsock2.Close
    Winsock2.RemoteHost = txtIP.Text
    Winsock2.RemotePort = Text3.Text
    Winsock2.Connect
End Sub

Private Sub Command2_Click()
    If Winsock2.state <> SckClosed Then
        List2.AddItem "Connection Closed"
        Winsock2.Close
    End If
End Sub

Private Sub Command3_Click()
    If saving = False Then
        saving = True
        Command3.Enabled = False
        Command5.Enabled = True
    End If
End Sub

Private Sub Command4_Click()
    If saving2 = False Then
        saving2 = True
        Command4.Enabled = False
        Command6.Enabled = True
    End If
End Sub

Private Sub Command5_Click()
    If saving = True Then
        saving = False
        If counter > 0 Then
            Call AVIFileInit
            Dim s As String
            s = App.Path & "\result\citMovie.avi"
            Call WriteAVI(s, 20)
            Call AVIFileExit
        End If
        counter = 0
        Command3.Enabled = True
        Command5.Enabled = False
    End If
Private Sub Command6_Click()
    If saving2 = True Then
        saving2 = False
    If counter2 > 0 Then
        Call AVIFileInit
        Dim s As String
        s = App.Path & "\result\citMovie2.avi"
        Call WriteAVI2(s, 20)
        Call AVIFileExit
    End If
    counter2 = 0
    Command4.Enabled = True
    Command6.Enabled = False
End If
End Sub

Private Sub Form_Load()
    state = IDLE
    Buffer = ""
    state2 = IDLE
    Buffer2 = ""
    saving = False
    counter = 0
    saving2 = False
    counter2 = 0
End Sub

Private Sub Winsock1_Close()
    List1.AddItem "Connection closed by server"
    Winsock1.Close
End Sub

Private Sub Winsock1_Connect()
    List1.AddItem "Connected"
End Sub

Private Sub Winsock1_DataArrival(ByVal bytesTotal As Long)
    Dim sData As String
    Winsock1.GetData sData, vbString
    Buffer = Buffer & sData
    If state = IDLE Then
        If (InStr(Buffer, "START") > 0) Then
            state = WRITING
        End If
    End If
    If state = WRITING Then
        If (InStr(Len(Buffer) - 4, Buffer, "STOP") > 0) Then
            state = IDLE
    Dim temp As String
    Open "temp.jpg" For Binary As #1
temp = Mid(Buffer, 6, Len(Buffer) - 9)
If saving = True Then
   Dim s As String
   s = App.Path & ":data\dat" & CStr(counter) & ".jpg"
   'frmMain.Caption = s
   Open s For Binary As #3
   Put #3, , temp
   Close #3
   counter = counter + 1
End If
   Put #1, , temp
   Close #1
   Buffer = ""
End If
End If
Me.Picture1.Picture = LoadPicture"temp.jpg"
End Sub

Private Sub Winsock2_Close()
   List2.AddItem "Connection closed by server"
   Winsock2.Close
End Sub

Private Sub Winsock2_Connect()
   List2.AddItem "Connected"
End Sub

Private Sub Winsock2_DataArrival(ByVal bytesTotal As Long)
   Dim sData As String
   Winsock2.GetData sData, vbString
   Buffer2 = Buffer2 & sData
   If state2 = IDLE Then
      If (InStr(Buffer2, "START") > 0) Then
         state2 = WRITING
      End If
   End If
   If state2 = WRITING Then
      If (InStr(Len(Buffer2) - 4, Buffer2, "STOP") > 0) Then
         state2 = IDLE
         Dim temp As String
         Open "temp2.jpg" For Binary As #2
         temp = Mid(Buffer2, 6, Len(Buffer2) - 9)
         If saving2 = True Then
            Dim s As String
            s = App.Path & ":data2\dat" & CStr(counter2) & ".jpg"
            'frmMain.Caption = s
            Open s For Binary As #4
            Put #4, , temp
            Close #4
            counter2 = counter2 + 1
         End If
         Put #2, , temp
   End If
End Sub
Close #2
Buffer2 = ""
End If
End If
Me.Picture2.Picture = LoadPicture("temp2.jpg")
End Sub
## Spesifikasi Perangkat Radio Point To Point

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<td>QPSK</td>
</tr>
<tr>
<td>7</td>
<td>Data rate</td>
<td>512 kbps</td>
</tr>
<tr>
<td>8</td>
<td>Jenis kode PN</td>
<td>Kode Baker</td>
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<td>9</td>
<td>Kode PN</td>
<td>11 bit</td>
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</table>

## Spesifikasi Web Camera

<table>
<thead>
<tr>
<th>No</th>
<th>Parameter</th>
<th>Spesifikasi</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tipe</td>
<td>X-View</td>
</tr>
<tr>
<td>2</td>
<td>Frame rate</td>
<td>15 frame / second</td>
</tr>
<tr>
<td>3</td>
<td>Resolusi</td>
<td>320 x 240</td>
</tr>
<tr>
<td>4</td>
<td>Color depth</td>
<td>24 bit</td>
</tr>
<tr>
<td>5</td>
<td>Interface</td>
<td>USB</td>
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</tbody>
</table>

## Foto Pada Bagian Server
Lampiran : Perangkat Lunak Dan Spesifikasi Alat

Foto Pada Bagian Client

Universitas Kristen Maranatha
Lampiran : Perangkat Lunak Dan Spesifikasi Alat