

```
'DP CLIENT
'Program pengendalian Peralatan Elektronik _
Jarak Jauh Berbasis Jaringan Komputer
'By Danang Prayoga 98 524 099
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Yogyakarta 2002
'Hak cipta program ini tetap pada penulis. _
Tetapi source code ini bebas untuk diperbanyak, _
dikutip baik sebagian atau seluruhnya ataupun _
disebar luaskan dalam bentuk elektronik ataupun _
non-elektronik. Baik untuk tujuan komersial maupun _
non komersial.Selama penyebutan nama asli _
pengarang serta proyek Open Source Campus Agreement _
(OSCA) tetap dilakukan.
```

```
'dP-Client adalah komponen dari Microsoft Winsock _
Control yang merupakan fasilitas VB6.Winsock _
merupakan socket yang digunakan untuk menjadi _
antarmuka (interface) antara TCP/IP dengan _
Microsoft TCP/IP.
```

```
Private Sub Form_Load()
Call false_1sd26
Command27.Enabled = False
Command28.Enabled = False
'untuk meng-disable-kan semua command sampai login=true
Call server_box
'panggil prosedur server_box
End Sub
```

```
Private Sub server_box()
dpclient.RemoteHost = InputBox _
("Insert IP Address Server ", "DESTINATION",
"localhost")
'memunculkan kotak input nomor IP
If dpclient.RemoteHost = "" Then
dpclient.RemoteHost = "localhost"
'apabila kosong, maka default-nya adalah _
loopback 127.0.0.1
End If
dpclient.RemotePort = 17679
'nomor port number yang dipakai
'pilihannya 1024 s/d 65535
Call dpclient.Connect
End Sub
```

```
Private Sub dpclient_Connect()
```

```

'prosedur koneksi ke server
Text2.Text = "Connected to IP Address: " _
& dpclient.RemoteHostIP & " success" & vbCrLf
Command27.Enabled = True
Command28.Enabled = True
End Sub

Private Sub dpclient_DataArrival _
(ByVal bytesTotal As Long)
'prosedur mendapat data dari server
Dim message As String
Call dpclient.GetData(message)
Text2.Text = Text2.Text & message & vbCrLf
Text2.SelStart = Len(Text2.Text)
End Sub

Private Sub dpclient_Close()
'prosedur menutup koneksi
Call false_1sd26
Command27.Enabled = False
Command28.Enabled = False
Call dpclient.Close
Text2.Text = Text2.Text & "Server Close Connection." _
& vbCrLf
Text2.SelStart = Len(Text2.Text)
End Sub

Private Sub dpclient_error _
(ByVal Number As Integer, _
Description As String, ByVal Scode As Long, _
ByVal Source As String, ByVal HelpFile As String, _
ByVal HelpContext As Long, CancelDisplay As Boolean)
'prosedur apabila mengalami kegagalan _
koneksi dengan server
Dim result As Integer
result = MsgBox("No Connection From Server", _
vbExclamation, "CONNECTION FAILURE")
'pesan apabila gagal koneksi
End
End Sub

Private Sub command1_Click()
'prosedur A0
If Command1.Caption = "A0 ON" Then
Call A0_OFF
Else
Call A0_ON

```

```
End If  
End Sub
```

```
Private Sub command2_Click()  
'prosedur A1  
If Command2.Caption = "A1 ON" Then  
Call A1_OFF  
Else  
Call A1_ON  
End If  
End Sub
```

```
Private Sub command3_Click()  
'prosedur A2  
If Command3.Caption = "A2 ON" Then  
Call A2_OFF  
Else  
Call A2_ON  
End If  
End Sub
```

```
Private Sub command4_Click()  
'prosedur A3  
If Command4.Caption = "A3 ON" Then  
Call A3_OFF  
Else  
Call A3_ON  
End If  
End Sub
```

```
Private Sub command5_Click()  
'prosedur A4  
If Command5.Caption = "A4 ON" Then  
Call A4_OFF  
Else  
Call A4_ON  
End If  
End Sub
```

```
Private Sub command6_Click()  
'prosedur A5  
If Command6.Caption = "A5 ON" Then  
Call A5_OFF  
Else  
Call A5_ON  
End If  
End Sub
```

```
Private Sub command7_Click()  
    'prosedur A6  
    If Command7.Caption = "A6 ON" Then  
        Call A6_OFF  
    Else  
        Call A6_ON  
    End If  
End Sub  
  
Private Sub command8_Click()  
    'prosedur A7  
    If Command8.Caption = "A7 ON" Then  
        Call A7_OFF  
    Else  
        Call A7_ON  
    End If  
End Sub  
  
Private Sub command9_Click()  
    'prosedur B0  
    If Command9.Caption = "B0 ON" Then  
        Call B0_OFF  
    Else  
        Call B0_ON  
    End If  
End Sub  
  
Private Sub command10_Click()  
    'prosedur B1  
    If Command10.Caption = "B1 ON" Then  
        Call B1_OFF  
    Else  
        Call B1_ON  
    End If  
End Sub  
  
Private Sub command11_Click()  
    'prosedur B2  
    If Command11.Caption = "B2 ON" Then  
        Call B2_OFF  
    Else  
        Call B2_ON  
    End If  
End Sub  
  
Private Sub command12_Click()
```

```
'prosedur B3
If Command12.Caption = "B3 ON" Then
Call B3_OFF
Else
Call B3_ON
End If
End Sub
```

```
Private Sub command13_Click()
'prosedur B4
If Command13.Caption = "B4 ON" Then
Call B4_OFF
Else
Call B4_ON
End If
End Sub
```

```
Private Sub command14_Click()
'prosedur B5
If Command14.Caption = "B5 ON" Then
Call B5_OFF
Else
Call B5_ON
End If
End Sub
```

```
Private Sub command15_Click()
'prosedur B6
If Command15.Caption = "B6 ON" Then
Call B6_OFF
Else
Call B6_ON
End If
End Sub
```

```
Private Sub command16_Click()
'prosedur B7
If Command16.Caption = "B7 ON" Then
Call B7_OFF
Else
Call B7_ON
End If
End Sub
```

```
Private Sub command17_Click()
'prosedur C0
If Command17.Caption = "C0 ON" Then
```

```
Call C0_OFF
Else
Call C0_ON
End If
End Sub
```

```
Private Sub command18_Click()
'prosedur C1
If Command18.Caption = "C1 ON" Then
Call C1_OFF
Else
Call C1_ON
End If
End Sub
```

```
Private Sub command19_Click()
'prosedur C2
If Command19.Caption = "C2 ON" Then
Call C2_OFF
Else
Call C2_ON
End If
End Sub
```

```
Private Sub command20_Click()
'prosedur C3
If Command20.Caption = "C3 ON" Then
Call C3_OFF
Else
Call C3_ON
End If
End Sub
```

```
Private Sub command21_Click()
'prosedur C4
If Command21.Caption = "C4 ON" Then
Call C4_OFF
Else
Call C4_ON
End If
End Sub
```

```
Private Sub command22_Click()
'prosedur C5
If Command22.Caption = "C5 ON" Then
Call C5_OFF
Else
```

```
Call C5_ON
End If
End Sub

Private Sub command23_Click()
'prosedur C6
If Command23.Caption = "C6 ON" Then
Call C6_OFF
Else
Call C6_ON
End If
End Sub

Private Sub command24_Click()
'prosedur C7
If Command24.Caption = "C7 ON" Then
Call C7_OFF
Else
Call C7_ON
End If
End Sub
Private Sub Command25_Click()
'prosedur all device on
Call dpclient.SendData("50")
Command1.Caption = "A0 ON"
Command2.Caption = "A1 ON"
Command3.Caption = "A2 ON"
Command4.Caption = "A3 ON"
Command5.Caption = "A4 ON"
Command6.Caption = "A5 ON"
Command7.Caption = "A6 ON"
Command8.Caption = "A7 ON"
Command9.Caption = "A0 ON"
Command10.Caption = "B1 ON"
Command11.Caption = "B2 ON"
Command12.Caption = "B3 ON"
Command13.Caption = "B4 ON"
Command14.Caption = "B5 ON"
Command15.Caption = "B6 ON"
Command16.Caption = "B7 ON"
Command17.Caption = "C0 ON"
Command18.Caption = "C1 ON"
Command19.Caption = "C2 ON"
Command20.Caption = "C3 ON"
Command21.Caption = "C4 ON"
Command22.Caption = "C5 ON"
Command23.Caption = "C6 ON"
```

```
Command24.Caption = "C7 ON"
Command25.Caption = "ALL DEVICE ON"
Frame1.BackColor = RGB(0, 255, 0)
Frame2.BackColor = RGB(0, 255, 0)
Frame3.BackColor = RGB(0, 255, 0)
Frame4.BackColor = RGB(0, 255, 0)
Frame5.BackColor = RGB(0, 255, 0)
Frame6.BackColor = RGB(0, 255, 0)
Frame7.BackColor = RGB(0, 255, 0)
Frame8.BackColor = RGB(0, 255, 0)
Frame9.BackColor = RGB(0, 255, 0)
Frame10.BackColor = RGB(0, 255, 0)
Frame11.BackColor = RGB(0, 255, 0)
Frame12.BackColor = RGB(0, 255, 0)
Frame13.BackColor = RGB(0, 255, 0)
Frame14.BackColor = RGB(0, 255, 0)
Frame15.BackColor = RGB(0, 255, 0)
Frame16.BackColor = RGB(0, 255, 0)
Frame17.BackColor = RGB(0, 255, 0)
Frame18.BackColor = RGB(0, 255, 0)
Frame19.BackColor = RGB(0, 255, 0)
Frame20.BackColor = RGB(0, 255, 0)
Frame21.BackColor = RGB(0, 255, 0)
Frame22.BackColor = RGB(0, 255, 0)
Frame23.BackColor = RGB(0, 255, 0)
Frame24.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub command26_click()
'prosedur all device off
Call dpclient.SendData("49")
Command1.Caption = "A0 OFF"
Command2.Caption = "A1 OFF"
Command3.Caption = "A2 OFF"
Command4.Caption = "A3 OFF"
Command5.Caption = "A4 OFF"
Command6.Caption = "A5 OFF"
Command7.Caption = "A6 OFF"
Command8.Caption = "A7 OFF"
Command9.Caption = "B0 OFF"
Command10.Caption = "B1 OFF"
Command11.Caption = "B2 OFF"
Command12.Caption = "B3 OFF"
Command13.Caption = "B4 OFF"
Command14.Caption = "B5 OFF"
Command15.Caption = "B6 OFF"
Command16.Caption = "B7 OFF"
```



```
Command17.Caption = "C0 OFF"
Command18.Caption = "C1 OFF"
Command19.Caption = "C2 OFF"
Command20.Caption = "C3 OFF"
Command21.Caption = "C4 OFF"
Command22.Caption = "C5 OFF"
Command23.Caption = "C6 OFF"
Command24.Caption = "C7 OFF"
Frame1.BackColor = RGB(255, 0, 0)
Frame2.BackColor = RGB(255, 0, 0)
Frame3.BackColor = RGB(255, 0, 0)
Frame4.BackColor = RGB(255, 0, 0)
Frame5.BackColor = RGB(255, 0, 0)
Frame6.BackColor = RGB(255, 0, 0)
Frame7.BackColor = RGB(255, 0, 0)
Frame8.BackColor = RGB(255, 0, 0)
Frame9.BackColor = RGB(255, 0, 0)
Frame10.BackColor = RGB(255, 0, 0)
Frame11.BackColor = RGB(255, 0, 0)
Frame12.BackColor = RGB(255, 0, 0)
Frame13.BackColor = RGB(255, 0, 0)
Frame14.BackColor = RGB(255, 0, 0)
Frame15.BackColor = RGB(255, 0, 0)
Frame16.BackColor = RGB(255, 0, 0)
Frame17.BackColor = RGB(255, 0, 0)
Frame18.BackColor = RGB(255, 0, 0)
Frame19.BackColor = RGB(255, 0, 0)
Frame20.BackColor = RGB(255, 0, 0)
Frame21.BackColor = RGB(255, 0, 0)
Frame22.BackColor = RGB(255, 0, 0)
Frame23.BackColor = RGB(255, 0, 0)
Frame24.BackColor = RGB(255, 0, 0)
End Sub

Private Sub command27_click()
'prosedur login
Dim username As String
Dim pass As String

username = InputBox("LOGIN")
pass = InputBox("PASSWORD")
'menampilkan kotak input USER ID dan PASSWORD

If username = "Yoga" And pass = "5902" Then
MsgBox ("Welcome 'Kang Yoga!")
Call true_1sd26
Command27.Enabled = False
```

```

'apabila USER ID dan PASSWORD benar, _
maka akan meng-enable-kan command
ElseIf username = "Yoga" Then
MsgBox ("INVALID PASSWORD")
'apabila USER ID "Yoga" benar PASSWORD salah
ElseIf username = "Ucok" And pass = "72gar" Then
MsgBox ("We miss u, Ucok")
Call true_1sd26
Command27.Enabled = False
'apabila USER ID dan PASSWORD benar, _
maka akan meng-enable-kan command
ElseIf username = "Ucok" Then
MsgBox ("INVALID PASSWORD")
'apabila USER ID "Ucok" benar PASSWORD salah
Else
MsgBox ("WHO ARE YOU???" )
'apabila USER ID dan PASSWORD salah
End If
End Sub

Private Sub Command28_Click()
'prosedur send
Call dpclient.SendData("Client >>> " & Text1.Text)
Text2.Text = Text2.Text & _
"Client >>> " & Text1.Text & vbCrLf
Text2.SelStart = Len(Text2.Text)
Text1.Text = ""
End Sub

Private Sub A0_OFF()
Call dpclient.SendData("1")
Command1.Caption = "A0 OFF"
Frame1.BackColor = RGB(255, 0, 0)
End Sub

Private Sub A0_ON()
Call dpclient.SendData("2")
Command1.Caption = "A0 ON"
Frame1.BackColor = RGB(0, 255, 0)
End Sub

Private Sub A1_OFF()
Call dpclient.SendData("3")
Command2.Caption = "A1 OFF"
Frame2.BackColor = RGB(255, 0, 0)
End Sub

```

```
Private Sub A1_ON()  
Call dpclient.SendData("4")  
Command2.Caption = "A1 ON"  
Frame2.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub A2_OFF()  
Call dpclient.SendData("5")  
Command3.Caption = "A2 OFF"  
Frame3.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub A2_ON()  
Call dpclient.SendData("6")  
Command3.Caption = "A2 ON"  
Frame3.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub A3_OFF()  
Call dpclient.SendData("7")  
Command4.Caption = "A3 OFF"  
Frame4.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub A3_ON()  
Call dpclient.SendData("8")  
Command4.Caption = "A3 ON"  
Frame4.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub A4_OFF()  
Call dpclient.SendData("9")  
Command5.Caption = "A4 OFF"  
Frame5.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub A4_ON()  
Call dpclient.SendData("10")  
Command5.Caption = "A4 ON"  
Frame5.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub A5_OFF()  
Call dpclient.SendData("11")  
Command6.Caption = "A5 OFF"  
Frame6.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub A5_ON()  
Call dpclient.SendData("12")  
Command6.Caption = "A5 ON"  
Frame6.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub A6_OFF()  
Call dpclient.SendData("13")  
Command7.Caption = "A6 OFF"  
Frame7.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub A6_ON()  
Call dpclient.SendData("14")  
Command7.Caption = "A6 ON"  
Frame7.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub A7_OFF()  
Call dpclient.SendData("15")  
Command8.Caption = "A7 OFF"  
Frame8.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub A7_ON()  
Call dpclient.SendData("16")  
Command8.Caption = "A7 ON"  
Frame8.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub B0_OFF()  
Call dpclient.SendData("17")  
Command9.Caption = "B0 OFF"  
Frame9.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub B0_ON()  
Call dpclient.SendData("18")  
Command9.Caption = "B0 ON"  
Frame9.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub B1_OFF()  
Call dpclient.SendData("19")  
Command10.Caption = "B1 OFF"  
Frame10.BackColor = RGB(255, 0, 0)
```

```
End Sub
```

```
Private Sub B1_ON()  
Call dpclient.SendData("20")  
Command10.Caption = "B1 ON"  
Frame10.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub B2_OFF()  
Call dpclient.SendData("21")  
Command11.Caption = "B2 OFF"  
Frame11.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub B2_ON()  
Call dpclient.SendData("22")  
Command11.Caption = "B2 ON"  
Frame11.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub B3_OFF()  
Call dpclient.SendData("23")  
Command12.Caption = "B3 OFF"  
Frame12.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub B3_ON()  
Call dpclient.SendData("24")  
Command12.Caption = "B3 ON"  
Frame12.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub B4_OFF()  
Call dpclient.SendData("25")  
Command13.Caption = "B4 OFF"  
Frame13.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub B4_ON()  
Call dpclient.SendData("26")  
Command13.Caption = "B4 ON"  
Frame13.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub B5_OFF()  
Call dpclient.SendData("27")  
Command14.Caption = "B5 OFF"
```

```
Frame14.BackColor = RGB(255, 0, 0)
End Sub
```

```
Private Sub B5_ON()
Call dpclient.SendData("28")
Command14.Caption = "B5 ON"
Frame14.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub B6_OFF()
Call dpclient.SendData("29")
Command15.Caption = "B6 OFF"
Frame15.BackColor = RGB(255, 0, 0)
End Sub
```

```
Private Sub B6_ON()
Call dpclient.SendData("30")
Command15.Caption = "B6 ON"
Frame15.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub B7_OFF()
Call dpclient.SendData("31")
Command16.Caption = "B7 OFF"
Frame16.BackColor = RGB(255, 0, 0)
End Sub
```

```
Private Sub B7_ON()
Call dpclient.SendData("32")
Command16.Caption = "B7 ON"
Frame16.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub C0_OFF()
Call dpclient.SendData("33")
Command17.Caption = "C0 OFF"
Frame17.BackColor = RGB(255, 0, 0)
End Sub
```

```
Private Sub C0_ON()
Call dpclient.SendData("34")
Command17.Caption = "C0 ON"
Frame17.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub C1_OFF()
Call dpclient.SendData("35")
```

```
Command18.Caption = "C1 OFF"  
Frame18.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub C1_ON()  
Call dpclient.SendData("36")  
Command18.Caption = "C1 ON"  
Frame18.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub C2_OFF()  
Call dpclient.SendData("37")  
Command19.Caption = "C2 OFF"  
Frame19.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub C2_ON()  
Call dpclient.SendData("38")  
Command19.Caption = "C2 ON"  
Frame19.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub C3_OFF()  
Call dpclient.SendData("39")  
Command20.Caption = "C3 OFF"  
Frame20.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub C3_ON()  
Call dpclient.SendData("40")  
Command20.Caption = "C3 ON"  
Frame20.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub C4_OFF()  
Call dpclient.SendData("41")  
Command21.Caption = "C4 OFF"  
Frame21.BackColor = RGB(255, 0, 0)  
End Sub
```

```
Private Sub C4_ON()  
Call dpclient.SendData("42")  
Command21.Caption = "C4 ON"  
Frame21.BackColor = RGB(0, 255, 0)  
End Sub
```

```
Private Sub C5_OFF()
```

```
Call dpclient.SendData("43")
Command22.Caption = "C5 OFF"
Frame22.BackColor = RGB(255, 0, 0)
End Sub
```

```
Private Sub C5_ON()
Call dpclient.SendData("44")
Command22.Caption = "C5 ON"
Frame22.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub C6_OFF()
Call dpclient.SendData("45")
Command23.Caption = "C6 OFF"
Frame23.BackColor = RGB(255, 0, 0)
End Sub
```

```
Private Sub C6_ON()
Call dpclient.SendData("46")
Command23.Caption = "C6 ON"
Frame23.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub C7_OFF()
Call dpclient.SendData("47")
Command24.Caption = "C7 OFF"
Frame24.BackColor = RGB(255, 0, 0)
End Sub
```

```
Private Sub C7_ON()
Call dpclient.SendData("48")
Command24.Caption = "C7 ON"
Frame24.BackColor = RGB(0, 255, 0)
End Sub
```

```
Private Sub true_1sd26()
Command1.Enabled = True
Command2.Enabled = True
Command3.Enabled = True
Command4.Enabled = True
Command5.Enabled = True
Command6.Enabled = True
Command7.Enabled = True
Command8.Enabled = True
Command9.Enabled = True
Command10.Enabled = True
Command11.Enabled = True
```



```
Command12.Enabled = True
Command13.Enabled = True
Command14.Enabled = True
Command15.Enabled = True
Command16.Enabled = True
Command17.Enabled = True
Command18.Enabled = True
Command19.Enabled = True
Command20.Enabled = True
Command21.Enabled = True
Command22.Enabled = True
Command23.Enabled = True
Command24.Enabled = True
Command25.Enabled = True
Command26.Enabled = True
End Sub
```

```
Private Sub false_1sd26()
Command1.Enabled = False
Command2.Enabled = False
Command3.Enabled = False
Command4.Enabled = False
Command5.Enabled = False
Command6.Enabled = False
Command7.Enabled = False
Command8.Enabled = False
Command9.Enabled = False
Command10.Enabled = False
Command11.Enabled = False
Command12.Enabled = False
Command13.Enabled = False
Command14.Enabled = False
Command15.Enabled = False
Command16.Enabled = False
Command17.Enabled = False
Command18.Enabled = False
Command19.Enabled = False
Command20.Enabled = False
Command21.Enabled = False
Command22.Enabled = False
Command23.Enabled = False
Command24.Enabled = False
Command25.Enabled = False
Command26.Enabled = False
End Sub
```

```
Private Sub Timer1_Timer()
```

```
Label1.Caption = Time  
End Sub
```

```
Private Sub About_Click()  
'prosedur Help - About Author  
MsgBox "DANANG PRAYOGA 98524099 TEKNIK ELEKTRO UII" _  
, vbInformation, "ABOUT AUTHOR"  
End Sub
```

```
Private Sub Exit_Click()  
'prosedur Help - Exit  
Unload Me  
End Sub
```

```
Private Sub Command29_Click()  
'prosedur exit  
End  
End Sub
```