

## **LISTING PROGRAM PADA MIKROKONTROLER**

```
$regfile = "m8535.dat"  
$crystal = 11059200
```

```
Config Porta = Input
```

```
Config Adc = Single , Prescaler = Auto , Reference = Avcc
```

```
Dim Ldr As Long
```

```
Do
```

```
Ldr = Getadc(2)
```

```
Print Ldr
```

```
Waitms 1000
```

```
Loop
```

```
End
```

## LISTING PROGRAM PADA KOMPUTER

```
Private Sub cmdConnect_Click()  
Dim port As Integer  
On Error GoTo errcode  
Select Case Combo1.ListIndex  
Case -1  
    port = 1  
Case 0  
    port = 1  
Case 1  
    port = 2  
Case 2  
    port = 3  
Case 3  
    port = 4  
Case 4  
    port = 5  
Case 5  
    port = 6  
Case 6  
    port = 7  
Case 7  
    port = 8  
Case 8  
    port = 9  
End Select  
If MSComm1.PortOpen = False Then  
    MSComm1.CommPort = port  
    MSComm1.RThreshold = 1  
    MSComm1.InputLen = 40  
    MSComm1.Settings = Combo2.List(Combo2.ListIndex) & ",N,8,1"  
    MSComm1.PortOpen = True  
cmdConnect.Enabled = False  
cmdDisconnect.Enabled = True  
End If  
Exit Sub  
errcode:  
    MsgBox "Port Salah !", vbOKOnly, "Peringatan"  
    Combo1.SetFocus  
End Sub
```

```

Private Sub cmdDisconnect_Click()
If MSComm1.PortOpen = True Then
    MSComm1.PortOpen = False
End If
cmdConnect.Enabled = True
cmdDisconnect.Enabled = False
End Sub

```

```

Private Sub Form_Load()
With Combo1
    .AddItem "COM1"
    .AddItem "COM2"
    .AddItem "COM3"
    .AddItem "COM4"
    .AddItem "COM5"
    .AddItem "COM6"
    .AddItem "COM7"
    .AddItem "COM8"
    .AddItem "COM9"
End With

```

```

With Combo2
    .AddItem "2400"
    .AddItem "4800"
    .AddItem "9600"
    .AddItem "19200"
    .AddItem "38400"
    .AddItem "56600"
End With

```

```

Timer1.Enabled = False
cmdConnect.Enabled = True
cmdDisconnect.Enabled = False
End Sub

```

```

Private Sub MSComm1_OnComm()
Dim ldr As Long
Dim tegangan As Currency
Dim kecerahan As Currency
Dim temp As String
Dim hasil As Single

```

```

ldr = Val(MSComm1.Input)
tegangan = ((ldr / 1023) * 5)
kecerahan = (((tegangan ^ 2) / (tegangan awal ^ 2)) * 100) ;tegangan awal diganti
dengan nilai 1,11 untuk LED merah, 2,01 untuk LED biru dan 3,72 untuk LED
hijau.

```

```
Text1.Text = Round(tegangan, 2)  
Text2.Text = Round(kecerahan, 0)  
End Sub
```

```
Private Sub Timer1_Timer()  
MSComm1_OnComm  
End Sub
```