**Listing Program Form Pengujian**

Dim kata As String

Dim data1 As Integer

Dim data2 As Integer

Dim koordinatX As Integer

Dim ordinat As Integer

Dim tonjolan As Integer

Private Sub Command2\_Click()

List1.Clear

MSChart1.RowCount = 1

tonjolan = 0

End Sub

Private Sub Form\_Load()

MSComm1.CommPort = Form3.text1.Text

MSComm2.CommPort = Form3.Text2.Text

End Sub

Private Sub Form\_Unload(Cancel As Integer)

MSComm1.PortOpen = False

MSComm2.PortOpen = False

MSComm1.CommPort = Form3.text1.Text

MSComm2.CommPort = Form3.Text2.Text

cdlg1.FileName = ""

cdlg1.ShowSave

angka = Len(cdlg1.FileName)

If (angka <> 0) Then

'buka file di aplikasi excell

Set exlmyapp = CreateObject("Excel.Application")

Set exlmybook = exlmyapp.Workbooks.Open("D:\DATA APIH\KULIAH\TUGAS AKHIR Rancang bangun mesin uji tarik\tugas grafik TA\tarik.xlsx")

Set exlmysheet1 = exlmybook.worksheets(1)

Set sheet2 = exlmybook.worksheets(2)

jml\_item = List1.ListCount

exlmysheet1.cells(2, 1) = 0

sheet2.cells(2, 1) = 0

exlmysheet1.cells(2, 2) = 0

sheet2.cells(2, 2) = 0

perbandingan\_defleksi = ((Form2.Text2.Text / (3.14 \* (Form2.text1.Text ^ 2) / 4)) / ((Form2.Text5.Text / (3.14 \* (Form2.Text5.Text ^ 2) / 4)) + (Form2.Text2.Text / (3.14 \* (Form2.text1.Text ^ 2) / 4)) + (Form2.Text4.Text / (3.14 \* (Form2.Text4.Text ^ 2) / 4))))

For i = 0 To (jml\_item - 1)

kata1 = List1.List(i)

spasi = InStr(kata1, " ")

pjkata = Len(kata1)

kata2 = Left(kata1, spasi - 1)

kata3 = Right(kata1, pjkata - spasi)

'menulis karakter di aplikasi excell

exlmysheet1.cells(i + 3, 1) = ((kata2 \* (0.1008 / Form2.Text3.Text)) \* perbandingan\_defleksi)

sheet2.cells(i + 3, 1) = (((kata2 \* (0.1008 / Form2.Text3.Text)) / Form2.Text2.Text) \* perbandingan\_defleksi)

exlmysheet1.cells(i + 3, 2) = kata3

sheet2.cells(i + 3, 2) = ((kata3 \* 9.81) / (3.14 \* (Form2.text1.Text ^ 2) / 4))

Next

'menutup aplikasi excell

exlmysheet1.SaveAs cdlg1.FileName

exlmysheet1.Application.Quit

Set exlmysheet1 = Nothing

Set exlmybook = Nothing

End If

End

End Sub

Private Sub MSComm1\_OnComm()

If (MSComm1.CommEvent = comEvReceive) Then

buffer = MSComm1.Input

kata = kata & buffer

angka = InStr(kata, "k")

If (angka <> 0) Then

a = kata

jml = Len(kata)

pss = InStr(kata, "k")

kata1 = Left(kata, pss - 1)

jml2 = Len(kata1)

pss2 = InStr(kata1, "N")

kata2 = Right(kata1, jml2 - pss2)

Text2.Text = (Val(kata2))

b = kata1

kata = ""

End If

End If

End Sub

Private Sub MSComm2\_OnComm()

If (MSComm2.CommEvent = comEvReceive) Then

sopi = MSComm2.Input

panjang = Len(sopi)

If (panjang > 1) Then sopi = Left(sopi, 1)

data1 = Val(sopi)

End If

End Sub

Private Sub Timer1\_Timer()

If (data1 > data2) Then

koordinatX = koordinatX + 1

kata2 = Text2.Text

jumlah\_deteksi = Val(Form2.Text3.Text)

If (jumlah\_deteksi = 0) Then

jumlah\_deteksi = jumlah\_deteksi + 1

End If

baut = 12

deteksi = koordinatX Mod (baut / jumlah\_deteksi)

If (deteksi = 0) Then

tonjolan = tonjolan + 1

Y = tonjolan & " " & kata2

List1.AddItem (Y)

MSChart1.RowCount = tonjolan

MSChart1.Row = tonjolan

MSChart1.Data = kata2

MSChart1.RowLabel = tonjolan

ordinat = (tonjolan \ 4) + 1

If (ordinat > 3) Then ordinat = 3

MSChart1.Width = ordinat \* 4000

End If

End If

data2 = data1

text1.Text = tonjolan

End Sub