**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