

Membuat Angka Terbilang

Buatlah form seperti gambar di bawah ini



Tulis koding berikut ini

```
Public Function TerbilangDesimal(InputCurrency As String,
Optional MataUang As String = "rupiah") As String
    Dim strInput As String
    Dim strBilangan As String
    Dim strPecahan As String
    On Error GoTo Pesan
    Dim strValid As String, huruf As String *
    1 Dim i As Integer
    'Periksa setiap karakter yg diketikkan ke
    kotak 'UserID
    strValid = "1234567890,"
    For i% = 1 To Len(InputCurrency)
        huruf = Chr(Asc(Mid(InputCurrency, i%, 1)))
        If InStr(strValid, huruf) = 0 Then
            Set AngkaTerbilang = Nothing
            MsgBox "Harus karakter angka!", _
                vbCritical, "Karakter Tidak Valid"
            Exit Function
        End If
    Next i%

    If InputCurrency = "" Then Exit Function
    If Len(Trim(InputCurrency)) > 15 Then GoTo Pesan

    strInput = CStr(InputCurrency) 'Konversi ke string
    'Periksa apakah ada tanda "," jika ya berarti pecahan
    If InStr(1, strInput, ",", vbBinaryCompare) Then
```

```
strBilangan = Left(strInput, InStr(1, strInput,
_ ",", vbBinaryCompare) - 1)
'strBilangan = Right(strInput, InStr(1, strInput, _
'
      ".", vbBinaryCompare) - 2)
strPecahan = Trim(Right(strInput, Len(strInput) - Len(strBilangan)
- 1))

If MataUang <> "" Then

If CLng(Trim(strPecahan)) > 99 Then
    strInput = Format(Round(CDbl(strInput), 2), "#0.00")
    strPecahan = Format((Right(strInput, Len(strInput) -
Len(strBilangan) - 1)), "00")
End If

If Len(Trim(strPecahan)) = 1 Then
    strInput = Format(Round(CDbl(strInput), 2), _
"#0.00")
    strPecahan = Format((Right(strInput, _
Len(strInput) - Len(strBilangan) - 1)), "00")
End If

If CLng(Trim(strPecahan)) = 0 Then
    TerbilangDesimal = (KonversiBilangan(strBilangan) & MataUang & " "
& KonversiBilangan(strPecahan))
Else
    TerbilangDesimal = (KonversiBilangan(strBilangan) & MataUang & " " &
KonversiBilangan(strPecahan) & "sen")
End If
Else
    TerbilangDesimal = (KonversiBilangan(strBilangan) & "koma " &
KonversiPecahan(strPecahan))
End If

Else
    TerbilangDesimal = (KonversiBilangan(strInput))
End If
Exit Function
Pesan:
    TerbilangDesimal = "(maksimal 15 digit)"
End Function

'Fungsi ini untuk mengkonversi nilai pecahan (setelah 'angka
0) Private Function KonversiPecahan(strAngka As String) As
String Dim i%, strJmlHuruf$, Urai$, Kar$
If strAngka = "" Then Exit Function
strJmlHuruf = Trim(strAngka)
Urai = ""
Kar = ""
For i = 1 To Len(strJmlHuruf)
    'Tampung setiap satu karakter ke Kar
    Kar = Mid(strAngka, i, 1)
    Urai = Urai & Kata(CInt(Kar))
```

```
Next i
KonversiPecahan = Urai
End Function
```

'Fungsi ini untuk menterjemahkan setiap satu angka ke 'kata

```
Private Function Kata(angka As Byte) As String
```

```
    Select Case angka
        Case 1: Kata = "satu "
        Case 2: Kata = "dua "
        Case 3: Kata = "tiga "
        Case 4: Kata = "empat "
        Case 5: Kata = "lima "
        Case 6: Kata = "enam "
        Case 7: Kata = "tujuh "
        Case 8: Kata = "delapan "
        Case 9: Kata = "sembilan "
        Case 0: Kata = "nol "
```

```
    End Select
```

```
End Function
```

'Ini untuk mengkonversi nilai bilangan sebelum pecahan

```
Private Function KonversiBilangan(strAngka As String) As String
```

```
Dim strJmlHuruf$, intPecahan As Integer, strPecahan$, Urai$,  
Bill$, strTot$, Bil2$
```

```
Dim X, Y, z As Integer
```

```
If strAngka = "" Then Exit Function
```

```
strJmlHuruf = Trim(strAngka)
```

```
X = 0
```

```
Y = 0
```

```
Urai = ""
```

```
While (X < Len(strJmlHuruf))
```

```
    X=X+1
```

```
    strTot = Mid(strJmlHuruf, X, 1)
```

```
    Y = Y + Val(strTot)
```

```
    z = Len(strJmlHuruf) - X + 1
```

```
    Select Case Val(strTot)
```

```
        'Case 0
```

```
        ' Bill = "NOL
```

```
    " Case 1
```

```
        If (z = 1 Or z = 7 Or z = 10 Or z = 13)
```

```
            Then Bill = "satu "
```

```
        ElseIf (z = 4) Then
```

```
            If (X = 1) Then
```

```
                Bill = "se"
```

```
            Else
```

```
                Bill = "satu "
```

```
            End If
```

```
        ElseIf (z = 2 Or z = 5 Or z = 8 Or z = 11 Or z = 14)
```

```
            Then X=X+1
```

```
            strTot = Mid(strJmlHuruf, X, 1)
```

```
            z = Len(strJmlHuruf) - X + 1
```

```
            Bil2 = ""
```

```
Select Case Val(strTot)
Case 0
    Bill = "sepuluh "
Case 1
    Bill = "sebelas "
Case 2
    Bill = "dua belas "
Case 3
    Bill = "tiga belas "
Case 4
    Bill = "empat belas "
Case 5
    Bill = "lima belas "
Case 6
    Bill = "enam belas "
Case 7
    Bill = "tujuh belas "
Case 8
    Bill = "delapan belas "
Case 9
    Bill = "sembilan belas "
End Select
Else
    Bill = "se"
End If

Case 2
    Bill = "dua "
Case 3
    Bill = "tiga "
Case 4
    Bill = "empat "
Case 5
    Bill = "lima "
Case 6
    Bill = "enam "
Case 7
    Bill = "tujuh "
Case 8
    Bill = "delapan "
Case 9
    Bill = "sembilan "
Case Else
    Bill = ""
End Select

If (Val(strTot) > 0) Then
    If (z = 2 Or z = 5 Or z = 8 Or z = 11 Or z = 14) Then
        Bil2 = "puluh "
    ElseIf (z = 3 Or z = 6 Or z = 9 Or z = 12 Or z = 15)
        Then Bil2 = "ratus "
    Else
        Bil2 = ""
    End If
End If
```

```
        End If
    Else
        Bil2 = ""
    End If
    If (Y > 0) Then
        Select Case z
            Case 4
                Bil2 = Bil2 + "ribu "
                Y = 0
            Case 7
                Bil2 = Bil2 + "juta "
                Y = 0
            Case 10
                Bil2 = Bil2 + "milyar "
                Y = 0
            Case 13
                Bil2 = Bil2 + "trilyun "
                Y = 0
        End Select
    End If
    Urai = Urai + Bill + Bil2
Wend
KonversiBilangan = Urai
End Function

Private Sub Text1_Change() 'Isi besar uang diulangi 'dengan terbilang
huruf...
    Text2.Text = TerbilangDesimal(Text1.Text)
End Sub
```
