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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
```

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```
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))
```

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```
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 = ""
```

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```
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
```

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```
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 + Bil1 + Bil2
Wend
KonversiBilangan = Urai
End Function

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