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Posttest 1 Pemograman Visual

Source Code:

```vbnet
Public Class Form1

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        Dim input As Decimal = TextBox1.Text
        Dim output As Decimal
        Dim fromUnit As String = ComboBox1.SelectedItem
        Dim toUnit As String = ComboBox2.SelectedItem

        Select Case fromUnit
            Case "km"
                Select Case toUnit
                    Case "km"
                        output = input
                    Case "hm"
                        output = input * 10
                    Case "dam"
                        output = input * 100
                    Case "m"
                        output = input * 1000
                    Case "dm"
                        output = input * 10000
                    Case "cm"
                        output = input * 100000
                    Case "mm"
                        output = input * 1000000
                End Select

            Case "hm"
                Select Case toUnit
                    Case "km"
                        output = input / 10
                    Case "hm"
                        output = input
                    Case "dam"
                        output = input * 10
                    Case "m"
                        output = input * 100
                    Case "dm"
                        output = input * 1000
                    Case "cm"
                        output = input * 10000
                    Case "mm"
                        output = input * 100000
                End Select
```

```vb
Case "dam"
    Select Case toUnit
        Case "km"
            output = input / 100
        Case "hm"
            output = input / 10
        Case "dam"
            output = input
        Case "m"
            output = input * 10
        Case "dm"
            output = input * 100
        Case "cm"
            output = input * 1000
        Case "mm"
            output = input * 10000
    End Select

Case "m"
    Select Case toUnit
        Case "km"
            output = input / 1000
        Case "hm"
            output = input / 100
        Case "dam"
            output = input / 10
        Case "m"
            output = input
        Case "dm"
            output = input * 10
        Case "cm"
            output = input * 100
        Case "mm"
            output = input * 1000
    End Select

Case "dm"
    Select Case toUnit
        Case "km"
            output = input / 10000
        Case "hm"
            output = input / 1000
        Case "dam"
            output = input / 100
        Case "m"
            output = input / 10
        Case "dm"
            output = input
        Case "cm"
            output = input * 10
        Case "mm"
            output = input * 100
    End Select

Case "mm"
    Select Case toUnit
        Case "km"
            output = input / 100000
```

```vbnet
                    Case "hm"
                        output = input / 10000
                    Case "dam"
                        output = input / 1000
                    Case "m"
                        output = input / 100
                    Case "dm"
                        output = input / 10
                    Case "cm"
                        output = input
                    Case "mm"
                        output = input * 10
                End Select

            Case "mm"
                Select Case toUnit
                    Case "km"
                        output = input / 1000000
                    Case "hm"
                        output = input / 100000
                    Case "dam"
                        output = input / 10000
                    Case "m"
                        output = input / 1000
                    Case "dm"
                        output = input / 100
                    Case "cm"
                        output = input / 10
                    Case "mm"
                        output = input
                End Select
        End Select

        'Menampilkan hasil dari nilai konversi
        TextBox3.Text = output.ToString()

        TextBox2.Text = fromUnit

        TextBox4.Text = toUnit
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles
Button2.Click
        TextBox1.Text = ""
        TextBox3.Text = ""
        TextBox2.Clear()
        TextBox4.Clear()
        ComboBox1.SelectedIndex = -1
        ComboBox2.SelectedIndex = -1
    End Sub
End Class
```