LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023

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Tugas 4 : Membuat Aplikasi Konversi Reamur dan Kelvin

1. **Konversi Reamur ke Celcius, Fahrenheit, dan Kelvin**

   Source Code :

```vbnet
Public Class ConvertReamur
    Private Sub btnConvert_Click(sender As Object, e As EventArgs) Handles btnConvert.Click

        Dim R, C, F, K As Decimal
        R = CDec(txtReamur.Text)
        C = ToCelcius(R)
        F = ToFahrenheit(R)
        K = ToKelvin(R)

        txtCelcius.Text = Str(C)
        txtFahrenheit.Text = Str(F)
        txtKelvin.Text = Str(K)
    End Sub

    Private Function ToCelcius(suhu As Decimal) As Decimal
        Dim C As Decimal
        C = (5 / 4) * suhu
        Return C
    End Function

    Private Function ToFahrenheit(suhu As Decimal) As Decimal
        Dim F As Decimal
        F = (9 / 4) * suhu + 32
        Return F
    End Function

    Private Function ToKelvin(suhu As Decimal) As Decimal
        Dim K As Decimal
        K = (5 / 4 * suhu) + 273
        Return K
    End Function

End Class
```
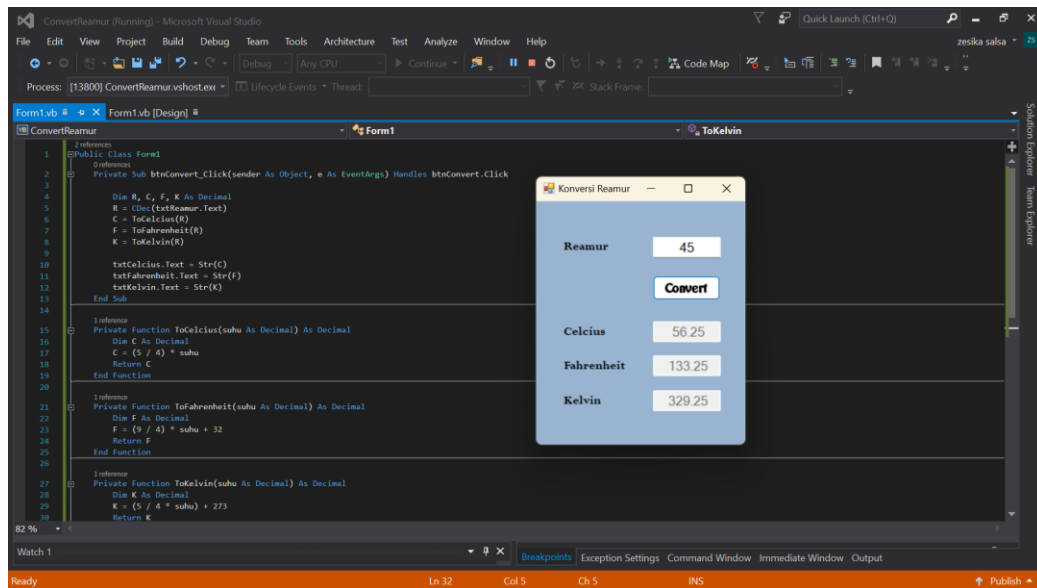
2. Konversi Kelvin ke Celcius, Fahrenheit, dan Reamur

Source Code :

```
Public Class ConvertKelvin
   Private Sub btnConvert_Click(sender As Object, e As EventArgs) Handles
btnConvert.Click

      Dim K, C, F, R As Decimal
      K = CDec(txtKelvin.Text)
      C = ToCelcius(K)
      F = ToFahrenheit(K)
      R = ToReamur(K)

      txtCelcius.Text = Str(C)
      txtFahrenheit.Text = Str(F)
      txtReamur.Text = Str(R)

   End Sub

   Private Function ToCelcius(suhu As Decimal) As Decimal
      Dim C As Decimal
      C = suhu - 273
      Return C
   End Function

   Private Function ToFahrenheit(suhu As Decimal) As Decimal
      Dim F As Decimal
      F = 9 / 5 * (suhu - 273) + 32
      Return F
```

End Function

Private Function ToReamur(suhu As Decimal) As Decimal
    Dim R As Decimal
    R = 4 / 5 * (suhu - 273)
    Return R
End Function

End Class