LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023

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Tugas 3 : Membuat aplikasi konversi celcius, Fahrenheit dan reamur

1. Konversi Reamur ke Celcius, Fahrenheit, dan Kelvin

Source Code :

```
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
```
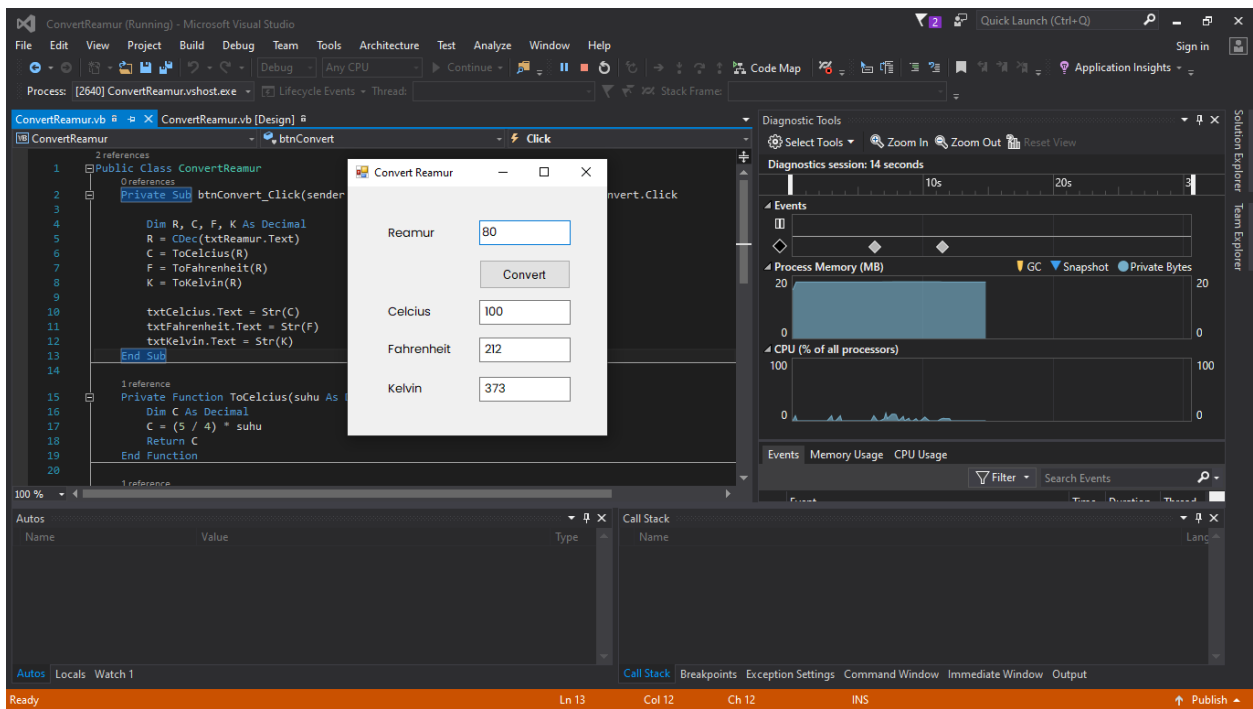
Hasil Program Konversi Reamur ke Celcius, Fahrenheit, dan Kelvin:

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
```

Hasil Program Konversi Fahrenheit ke Reamur :