LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023

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Aplikasi Konversi Suhu Menggunakan Visual Basic 2015

1. Konversi dari Reamur ke Celcius, Fahrenheit, dan Kelvin
2. Konversi dari Kelvin ke Celcius, Fahrenheit dan Reamur

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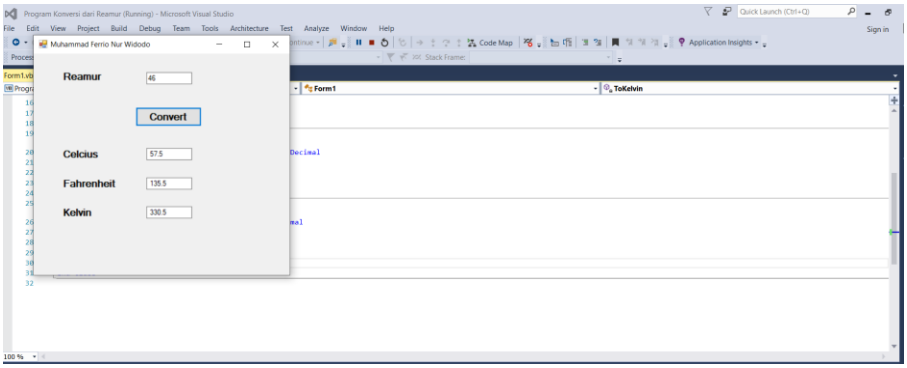
Source Code

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

```
Public Class Form1
    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 SS



2. **Konversi dari Kelvin ke Celcius, Fahrenheit dan Reamur**

```
Public Class Form1
    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 SS