

LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023



Prepared By:

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LAPORAN PRAKTIKUM 4

PEMROGRAMAN VISUAL



Disusun Oleh :

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KATA PENGANTAR

Puji syukur kita panjatkan kehadiran Allah SWT yang telah memberikan rahmat dan hidayah-Nya sehingga saya dapat menyelesaikan tugas yang berjudul “Laporan Praktikum Pemrograman Visual”.

Adapun tujuan dari penulisan laporan ini adalah untuk memenuhi tugas pada matakuliah Pemrograman Visual. Selain itu, laporan ini juga bertujuan untuk menambah ilmu tentang Object Oriented Programming (OOP).

Saya menyadari, tugas yang saya tulis ini masih jauh dari kata sempurna. Oleh karena itu, kritik dan saran yang membangun saya butuhkan demi kesempurnaan laporan praktikum ini.

Cirebon, 9 April 2023

Penyusun

APLIKASI PERHITUNGAN PROGRAM SEDERHANA MENGHITUNG SUHU

1. Menghitung program sederhana untuk konversi dari Kelvin ke:
Celcius, Fahrenheit, dan Reamur

Source code :

```
Public Class Form1
    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.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(K As Decimal) As Decimal
        Dim C As Decimal
        C = K - 273
        Return C
    End Function

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

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

End Class
```

Hasil Program :

The screenshot shows a Windows application window titled 'Form1'. Inside the window, there are four input fields for temperature conversion: 'Kelvin' with the value '280', 'Celcius' with '7', 'Fahrenheit' with '44.6', and 'Reamur' with '5.6'. A blue button labeled 'Hitung' is positioned between the Kelvin and Celcius fields. The background of the form is a light gray.

2. Menghitung program sederhana untuk konversi dari Reamur ke :
Celcius, Fahrenheit, dan Kelvin **Source code :**

```
Public Class Form1
    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
        btnHitung.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(R As Decimal) As Decimal
            Dim C As Decimal
            C = 5 / 4 * R
            Return C
        End Function

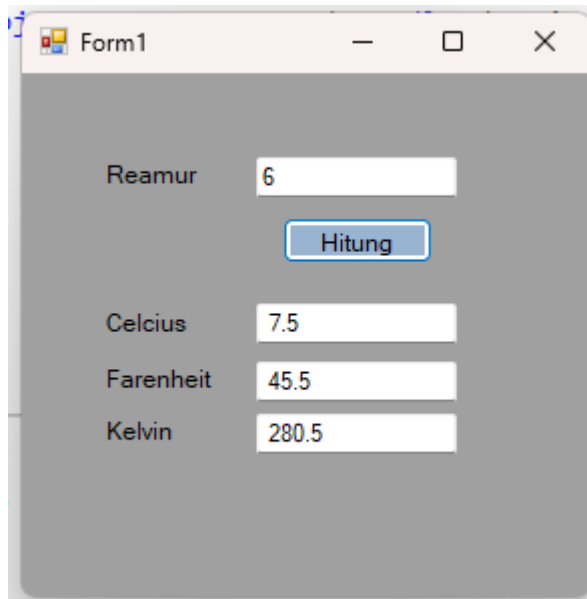
        Private Function ToFahrenheit(R As Decimal) As Decimal
            Dim F As Decimal
            F = (9 / 4) * R + 32
            Return F
        End Function

        Private Function ToKelvin(R As Decimal) As Decimal
            Dim K As Decimal
```

```
K = 5 / 4 * R + 273  
Return K  
End Function
```

```
End Class
```

Hasil program :



The screenshot shows a Windows application window titled "Form1". Inside the window, there is a user interface for temperature conversion. It features four labels on the left: "Reamur", "Celcius", "Fahrenheit", and "Kelvin". To the right of each label is a text box containing a numerical value. Above the "Celcius" text box is a blue button labeled "Hitung". The values displayed in the text boxes are: Reamur: 6, Celcius: 7.5, Fahrenheit: 45.5, and Kelvin: 280.5.

Unit	Value
Reamur	6
Celcius	7.5
Fahrenheit	45.5
Kelvin	280.5