

# LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023



Prepared By:

SHINDY PUTRI INTAN (200511009) TI20C

# **LAPORAN PRAKTIKUM 4**

## **PEMROGRAMAN VISUAL**



Disusun Oleh :

Nama : Shindy Putri Intan

NIM : 200511009

Kelas : TI20C

**Jurusan Teknik Informatika**  
**Fakultas Teknik**  
**Universitas Muhammadiyah Cirebon (UMC)**  
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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

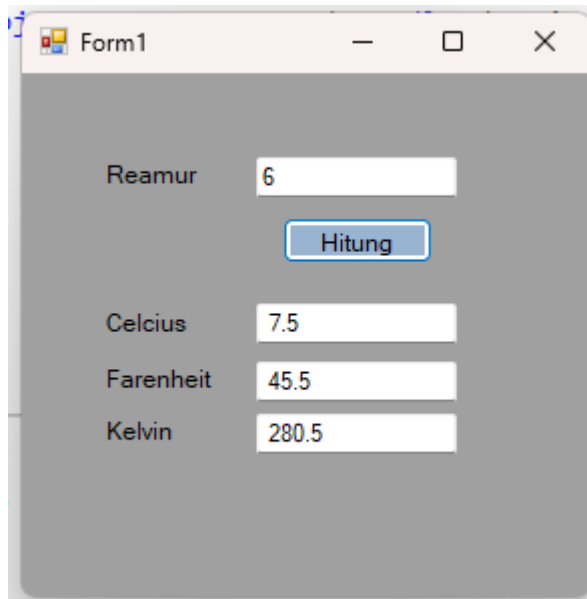
        Private Function ToFahrenheit(R As Decimal) As Decimal
            Dim F As Decimal
            F = (9 / 4) * R + 32
            Return F
        End Function

        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 input fields with corresponding labels: "Reamur" (containing the value 6), "Celcius" (containing 7.5), "Fahrenheit" (containing 45.5), and "Kelvin" (containing 280.5). A blue button labeled "Hitung" is positioned between the Reamur and Celcius fields. The window has a standard Windows title bar with minimize, maximize, and close buttons.

Unit	Value
Reamur	6
Celcius	7.5
Fahrenheit	45.5
Kelvin	280.5