

# LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023



Prepared By:

## **PEMROGRAMAN VISUAL**

Diajukan untuk memenuhi salah satu tugas mata kuliah Pemrograman Visual yang diampu oleh **Freddi Wicaksono**



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**PROGRAM STUDI TEKNIK INFORMATIKA**  
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**2023**

## Tugas 4

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

Gunakan Teknik Pemrograman Terstruktur

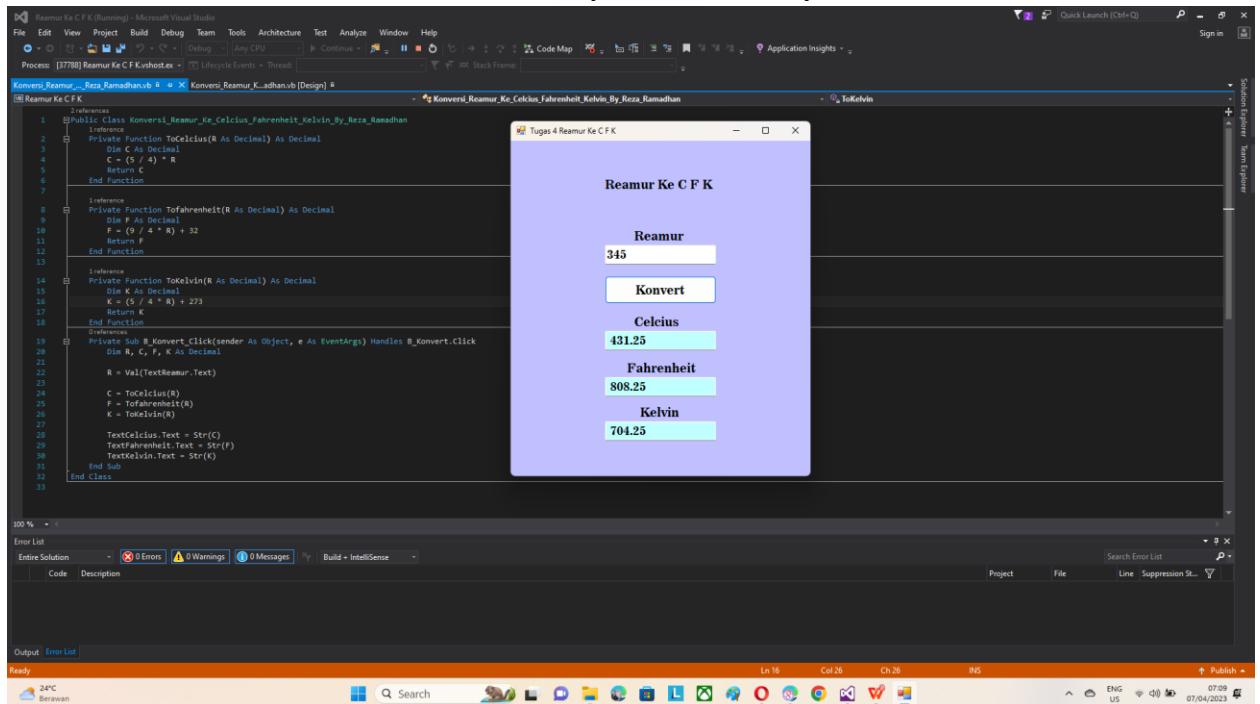
## Rumus Dasar Konversi Suhu

- $C \rightarrow F = (C * 9/5) + 32$
- $C \rightarrow K = C + 273.15$
- $C \rightarrow R = 4/5 * C$
- $F \rightarrow C = (F - 32) * 5/9$
- $F \rightarrow K = (F - 32) * 5/9 + 273.15$
- $F \rightarrow R = 4/9 * (F - 32)$
- $K \rightarrow C = K - 273.15$
- $K \rightarrow F = (K - 273.15) * 9/5 + 32$
- $K \rightarrow R = 4/5 * (K - 273)$
- $R \rightarrow C = (5/4) * R$
- $R \rightarrow F = (9/4 * R) + 32$
- $R \rightarrow K = C + 273$

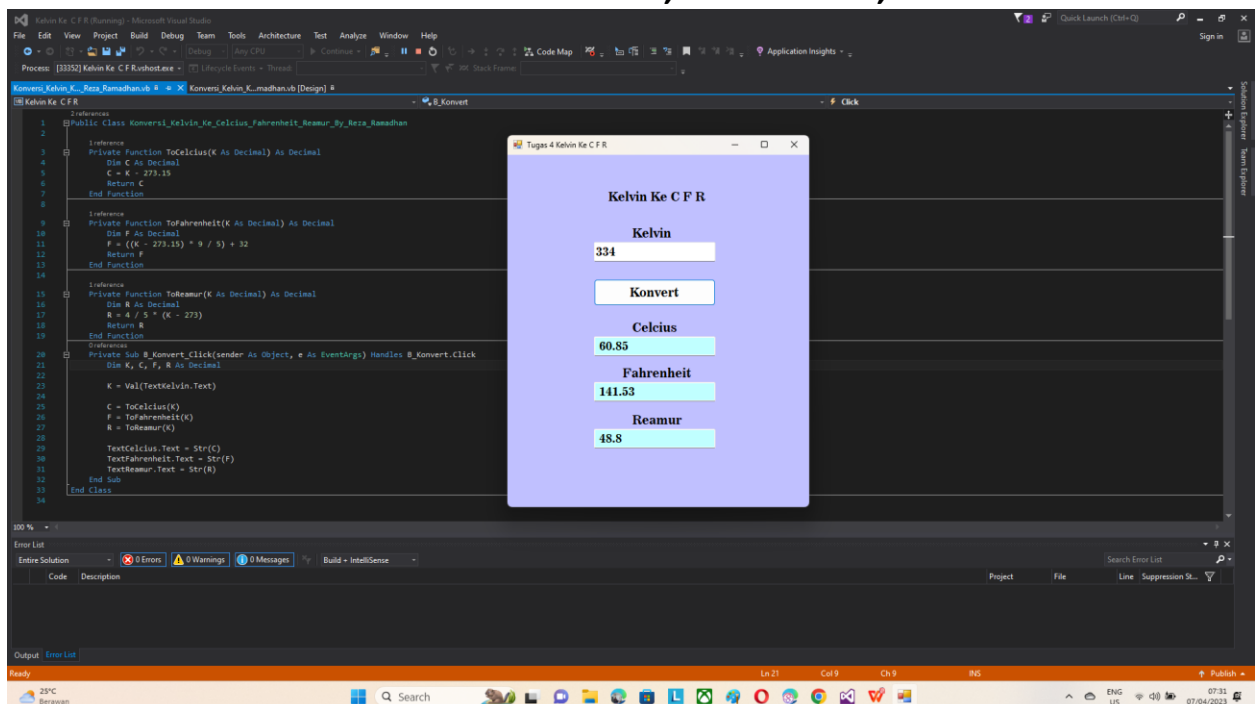
	Celcius	Reamur	Kelvin	Fahrenheit
Celcius		$R = (4/5) C$	$K = C + 273$	$F = (9/5) C + 32$
Reamur	$C = (5/4) R$		$K = C + 273 = (5/4) R + 273$	$F = (9/4) R + 32$
Fahrenheit	$C = 5/9 (F - 32)$	$R = 4/9 (F - 32)$	$K = 5/9 (F - 32) + 273$	
Kelvin	$C = K - 273$	$R = 4/5 (K - 273)$		$F = 9/5 (K - 273) + 32$

# ScreenShoot

## 1. konversi dari Reamur ke : Celcius, Fahrenheit, dan Kelvin



## 2. untuk konversi dari Kelvin ke: Celcius, Fahrenheit, dan Reamur



## Scrip Coding

- **konversi dari Reamur ke : Celcius, Fahrenheit, dan Kelvin  
(Terstruktur)**

```
• Public Class Konversi_Reamur_Ke_Celcius_Fahrenheit_Kelvin_By_Reza_Ramadhan
•     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
•     Private Sub B_Konvert_Click(sender As Object, e As EventArgs) Handles
B_Konvert.Click
•         Dim R, C, F, K As Decimal
•
•         R = Val(TextReamur.Text)
•
•         C = ToCelcius(R)
•         F = Tofahrenheit(R)
•         K = ToKelvin(R)
•
•         TextCelcius.Text = Str(C)
•         TextFahrenheit.Text = Str(F)
•         TextKelvin.Text = Str(K)
•     End Sub
• End Class
```

- **untuk konversi dari Kelvin ke: Celcius, Fahrenheit, dan Reamur (TERSTRUKTUR)**

```

• Public Class Konversi_Kelvin_Ke_Celcius_Fahrenheit_Reamur_By_Reza_Ramadhan
•
•     Private Function ToCelcius(K As Decimal) As Decimal
•         Dim C As Decimal
•         C = K - 273.15
•         Return C
•     End Function
•
•     Private Function ToFahrenheit(K As Decimal) As Decimal
•         Dim F As Decimal
•         F = ((K - 273.15) * 9 / 5) + 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
•     Private Sub B_Konvert_Click(sender As Object, e As EventArgs) Handles
B_Konvert.Click
•         Dim K, C, F, R As Decimal
•
•         K = Val(TextKelvin.Text)
•
•         C = ToCelcius(K)
•         F = ToFahrenheit(K)
•         R = ToReamur(K)
•
•         TextCelcius.Text = Str(C)
•         TextFahrenheit.Text = Str(F)
•         TextReamur.Text = Str(R)
•     End Sub
• End Class

```