

LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023



Prepared By:

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Tugas Aplikasi Konversi Menggunakan Visual Basic 2015

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MataKuliah : Pemrograman Visual

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

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
```

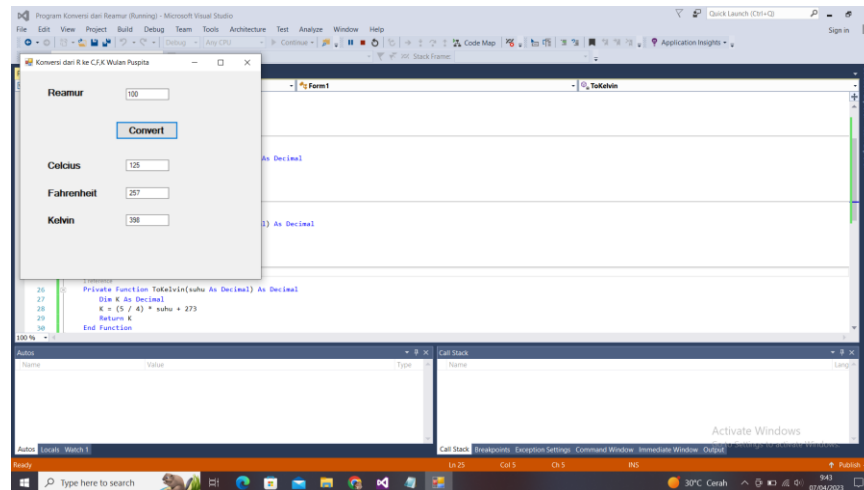
```
    End Function
```

```

Private Function ToKelvin(suhu As Decimal) As Decimal
    Dim K As Decimal
    K = (5 / 4) * suhu + 273
    Return K
End Function
End Class

```

Hasil Konversi dari Reamur ke Celcius, Fahrenheit, dan Kelvin



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

$F = 9 / 5 * (\text{suhu} - 273) + 32$

Return F

End Function

Private Function ToReamur(suhu As Decimal) As Decimal

Dim R As Decimal

$R = 4 / 5 * (\text{suhu} - 273)$

Return R

End Function

End Class

Hasil Konversi dari Kelvin ke Celcius, Fahrenheit, dan Reamur

