LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023

Prepared By:

Gema Tri Sunanto

200511081

TIF20C

LAPORAN PRAKTIKUM 3
PEMROGRAMAN VISUAL

Disusun Oleh :

Nama : Gema Tri Sunanto

NIM : 200511081

Kelas : TIF20C

Jurusan Teknik Informatika
Fakultas Teknik
Universitas Muhammadiyah Cirebon (UMC)
2023

KATA PENGANTAR

Puji syukur kita panjatkan kehadirat 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

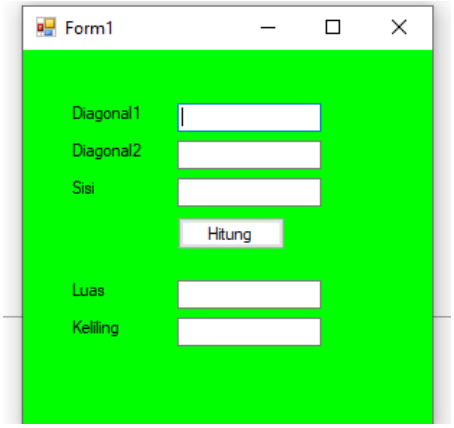
Penyusun

APLIKASI SEDERHANA MENGGUNAKAN
TEKNIK PEMROGRAMAN TERSTRUKTUR

1. Menghitung Luas dan Keliling Belahketupat
   Source code :

```
Public Class Form1

    Private Sub Label5_Click(sender As Object, e As EventArgs) Handles
Label5.Click

    End Sub

    Private Function HitungLuas(diagonal1 As Integer, diagonal2 As Integer)
As Integer
        Dim luas As Integer
        luas = 0.5 * diagonal1 * diagonal2
        Return luas
    End Function

    Private Function HitungKeliling(sisi As Integer) As Integer
        Dim keliling As Integer
        keliling = 4 * sisi
        Return keliling
    End Function

    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim diagonal1, diagonal2, sisi, luas, keliling As Integer

        diagonal1 = txtDiagonal1.Text
        diagonal2 = txtDiagonal2.Text
        sisi = txtSisi.Text

        luas = HitungLuas(diagonal1, diagonal2)
        keliling = HitungKeliling(sisi)

        txtLuas.Text = Str(luas)
        txtKeliling.Text = Str(keliling)
    End Sub
End Class
```

Hasil Program :



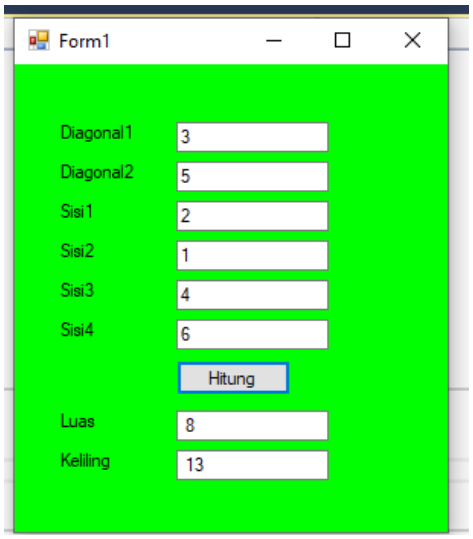
2. Menghitung Luas dan Keliling Layang-layang

Source Code :

```
Public Class Form1
    Private Sub Label5_Click(sender As Object, e As EventArgs) Handles
Label5.Click

    End Sub

    Private Function HitungLuas(diagonal1 As Integer, diagonal2 As Integer)
As Integer
        Dim luas As Integer
        luas = (diagonal1 * diagonal2) / 2
        Return luas
    End Function

    Private Function HitungKeliling(sisi1 As Integer, sisi2 As Integer,
sisi3 As Integer, sisi4 As Integer) As Integer
        Dim keliling As Integer
        keliling = sisi1 + sisi2 + sisi3 + sisi4
        Return keliling
    End Function


    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim diagonal1, diagonal2, sisi1, sisi2, sisi3, sisi4, luas, keliling
As Integer

        diagonal1 = txtDiagonal1.Text
        diagonal2 = txtDiagonal2.Text
        sisi1 = txtSisi1.Text
        sisi2 = txtSisi2.Text
        sisi3 = txtSisi3.Text
        sisi4 = txtSisi4.Text


        luas = HitungLuas(diagonal1, diagonal2)
        keliling = HitungKeliling(sisi1, sisi2, sisi3, sisi4)




        txtLuas.Text = Str(luas)
```

```
        txtKeliling.Text = Str(keliling)
    End Sub
End Class
```

Hasil program :



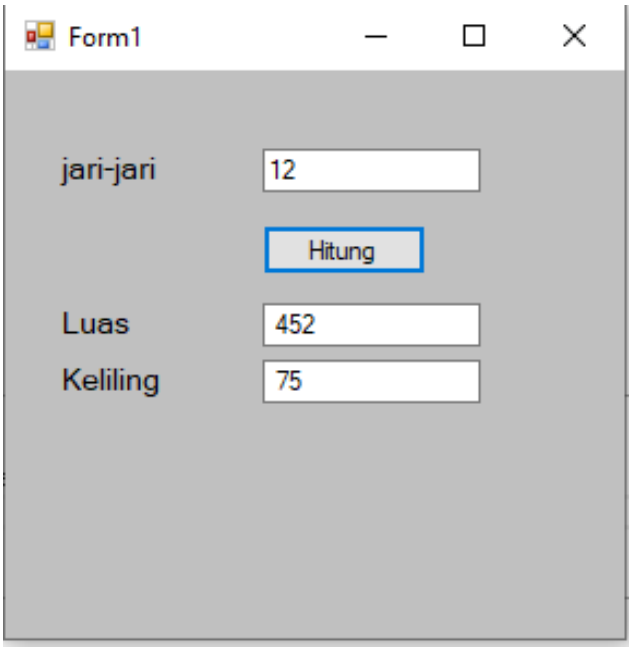
3. Menghitung Luas dan Keliling Lingkaran
   Source Kode :

```
Public Class Form1

    Private Sub Label3_Click(sender As Object, e As EventArgs) Handles
Label3.Click

    End Sub

    Private Function HitungLuas(jarijari As Integer) As Integer
        Dim luas As Integer
        luas = 3.14 * jarijari * jarijari
        Return luas
    End Function

    Private Function HitungKeliling(jarijari As Integer) As Integer
        Dim keliling As Integer
        keliling = 2 * 3.14 * jarijari
        Return keliling
    End Function
```

```
    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim jarijari, luas, keliling As Integer

        jarijari = txtJarijari.Text

        luas = HitungLuas(jarijari)
```

```
        keliling = HitungKeliling(jarijari)

        txtLuas.Text = Str(luas)
        txtKeliling.Text = Str(keliling)

    End Sub
End Class
```

Hasil Program :



4. Menghitung Luas dan Keliling Persegi Panjang
   Source Kode :

```
Public Class Form1
    Private Sub Label5_Click(sender As Object, e As EventArgs) Handles
Label5.Click

    End Sub

    Private Function HitungLuas(panjang As Integer, lebar As Integer) As
Integer
        Dim luas As Integer
        luas = panjang * lebar
        Return luas
    End Function

    Private Function HitungKeliling(panjang As Integer, lebar As Integer) As
Integer
        Dim keliling As Integer
        keliling = 2 * (panjang + lebar)
        Return keliling
    End Function
```

```
    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim panjang, lebar, luas, keliling As Integer

        panjang = txtPanjang.Text
        lebar = txtLebar.Text

        luas = HitungLuas(panjang, lebar)
        keliling = HitungKeliling(panjang, lebar)

        txtLuas.Text = Str(luas)
        txtKeliling.Text = Str(keliling)
    End Sub
End Class
```

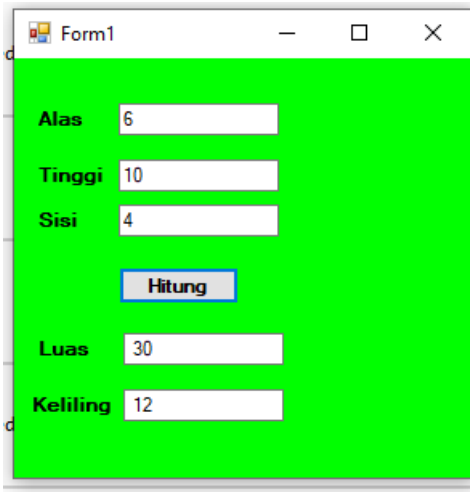
Hasil program :

5. Menghitung Luas dan Keliling Segitiga
   Source Kode :

```
Public Class Form1

    Private Sub Label5_Click(sender As Object, e As EventArgs) Handles
Label5.Click

    End Sub

    Private Function HitungLuas(alas As Integer, tinggi As Integer) As
Integer
        Dim luas As Integer
        luas = 1 / 2 * alas * tinggi
        Return luas
    End Function

    Private Function HitungKeliling(sisi As Integer) As Integer




        Dim keliling As Integer
        keliling = sisi + sisi + sisi
        Return keliling
    End Function
```

```
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        Dim alas, tinggi, sisi, luas, keliling As Integer

        alas = txtAlas.Text
        tinggi = txtTinggi.Text
        sisi = txtSisi.Text

        luas = HitungLuas(alas, tinggi)
        keliling = HitungKeliling(sisi)

        txtLuas.Text = Str(luas)
        txtKeliling.Text = Str(keliling)
    End Sub
End Class
```

Hasil program :

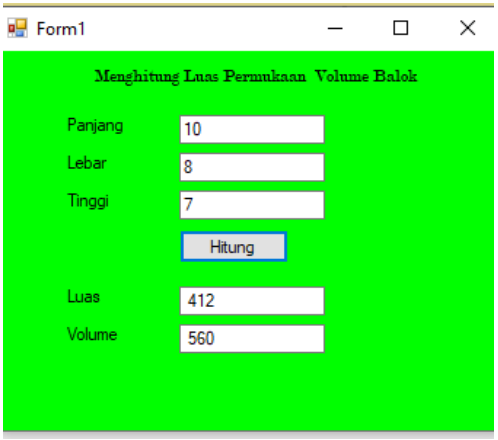


6. Menghitung Luas dan Volume Balok
   Souce Kode :

```
Public Class Form1
    Private Sub Label5_Click(sender As Object, e As EventArgs) Handles
Label5.Click

    End Sub

    Private Function HitungLuas(panjang As Integer, lebar As Integer, tinggi
As Integer) As Integer

        Dim luas As Integer
        luas = 2 * (panjang * lebar + panjang * tinggi + lebar * tinggi)
        Return luas
    End Function
```

```
    Private Function HitungVolume(panjang As Integer, lebar As Integer,
tinggi As Integer) As Integer
        Dim volume As Integer
        volume = panjang * lebar * tinggi
        Return volume
    End Function


    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim panjang, lebar, tinggi, luas, volume As Integer

        panjang = txtPanjang.Text
        lebar = txtLebar.Text
        tinggi = txtTinggi.Text

        luas = HitungLuas(panjang, lebar, tinggi)
        volume = HitungVolume(panjang, lebar, tinggi)

        txtLuas.Text = Str(luas)
        txtVolume.Text = Str(volume)
    End Sub
End Class
```

Hasil Program :

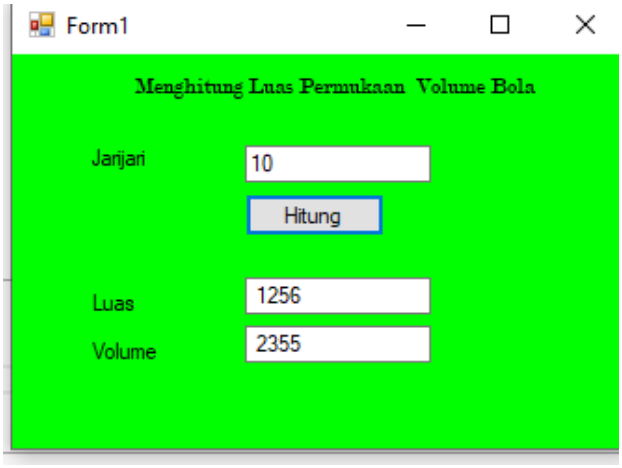


7. Menghitung Luas dan Volume Bola
   Source Kode :

```
Public Class Form1




    Private Sub Label4_Click(sender As Object, e As EventArgs) Handles
Label4.Click

    End Sub

    Private Function HitungLuas(jarijari As Integer) As Integer
        Dim luas As Integer
        luas = 4 * 3.14 * jarijari * jarijari
        Return luas
    End Function

    Private Function HitungVolume(jarijari As Integer) As Integer
        Dim Volume As Integer
```

```
        Volume = 3 / 4 * 3.14 * jarijari * jarijari * jarijari
        Return Volume
    End Function


    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim jarijari, luas, volume As Integer

        jarijari = txtJarijari.Text

        luas = HitungLuas(jarijari)
        volume = HitungVolume(jarijari)

        txtLuas.Text = Str(luas)
        txtVolume.Text = Str(volume)
    End Sub
End Class
```

Hasil Program :

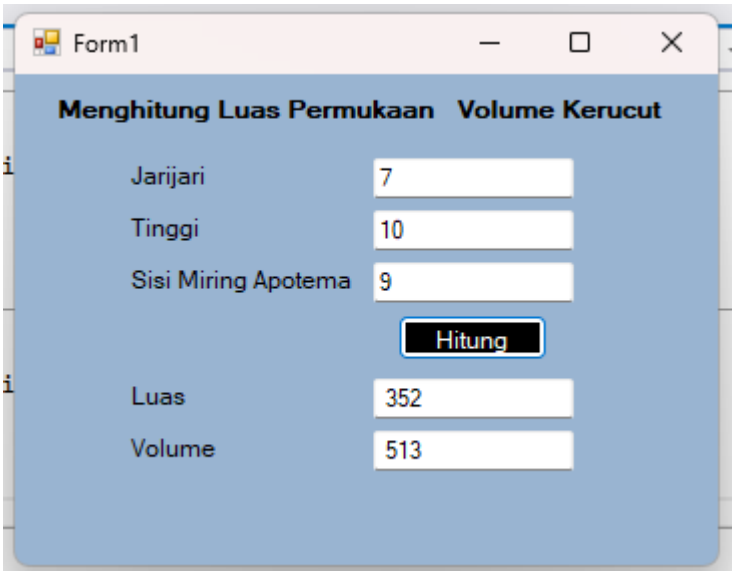


8. Menghitung Luas dan Volume Kerucut
   Source Kode :

```
Public Class Form1
    Private Sub Label1_Click(sender As Object, e As EventArgs) Handles
Label1.Click




    End Sub

    Private Function HitungLuas(jarijari As Integer, sisimiringa As Integer)
As Integer
        Dim luas As Integer
        luas = 3.14 * jarijari * (jarijari + sisimiringa)
        Return luas
    End Function

    Private Function HitungVolume(jarijari As Integer, tinggi As Integer) As
Integer
        Dim volume As Integer
        volume = 1 / 3 * 3.14 * jarijari * jarijari * tinggi
```

```
        Return volume
    End Function

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim jarijari, tinggi, sisimiringa, luasp, volume As Integer

        jarijari = txtJarijari.Text
        tinggi = txtTinggi.Text
        sisimiringa = txtSisimiring.Text

        luasp = HitungLuas(jarijari, sisimiringa)
        volume = HitungVolume(jarijari, tinggi)

        txtLuas.Text = Str(luasp)
        txtVolume.Text = Str(volume)
    End Sub
End Class
```

Hasil Program :

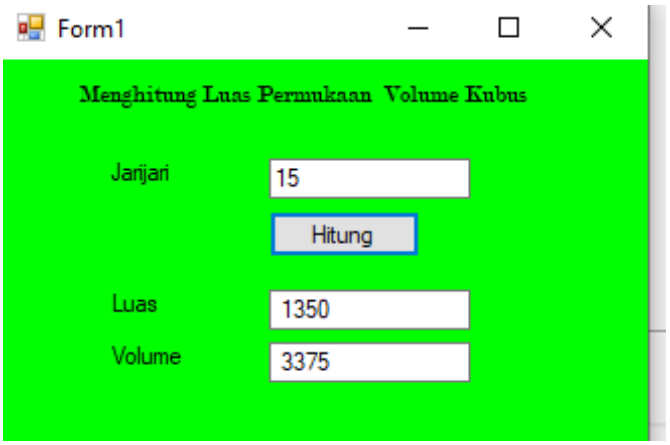


9. Menghitung Luas dan Volume Kubus
   Souce kode :

```
Public Class Form1

    Private Sub Label1_Click(sender As Object, e As EventArgs) Handles
Label1.Click

    End Sub
    Private Function HitungLuas(sisi As Integer) As Integer
        Dim luas As Integer
        luas = 6 * sisi * sisi
        Return luas
    End Function
```

```
    Private Function HitungVolume(sisi As Integer) As Integer
        Dim volume As Integer
        volume = sisi * sisi * sisi
        Return volume
    End Function


    Private Sub btnHitung_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim sisi, luas, volume As Integer

        sisi = Val(txtSisi.Text)

        luas = HitungLuas(sisi)
        volume = HitungVolume(sisi)

        txtLuas.Text = Str(luas)
        txtVolume.Text = Str(volume)

    End Sub
End Class
```

Hasil Program :



10. Menghitung luas dan Volume Tabung

Source Kode :

```
Public Class Form1
    Private Sub Label4_Click(sender As Object, e As EventArgs) Handles
Label4.Click

    End Sub

    Private Function HitungLuas(jarijari As Integer, tinggi As Integer) As
Integer
        Dim luas As Integer
        luas = 2 * 3.14 * jarijari * (jarijari + tinggi)
        Return luas
    End Function
```

```
    Private Function HitungVolume(jarijari As Integer, tinggi As Integer) As
Integer
        Dim volume As Integer
        volume = 3.14 * jarijari * jarijari * tinggi
        Return volume
    End Function

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
btnHitung.Click
        Dim jarijari, tinggi, luasp, volume As Integer

        jarijari = txtJarijari.Text
        tinggi = txtTinggi.Text

        luasp = HitungLuas(jarijari, tinggi)
        volume = HitungVolume(jarijari, tinggi)

        txtLuas.Text = Str(luasp)
        txtVolume.Text = Str(volume)
    End Sub
End Class
```

Hasil program :