

# Dasar-dasar Pemrograman Visual Studio 2010

**Budi Permana, S.Kom**  
nobiasta@gmail.com

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## **Pendahuluan**

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Karena penulis juga manusia dan memiliki kekurangan semoga kritik dan saran membangun diperlukan untuk penulis guna menjadikan buku ini lebih baik lagi.

Kritik dan saran bisa disampaikan melalui :

Facebook : Budhi Nobi Permana

Email FB : [nobinice@gmail.com](mailto:nobinice@gmail.com)

Email : [nobiasta@gmail.com](mailto:nobiasta@gmail.com)

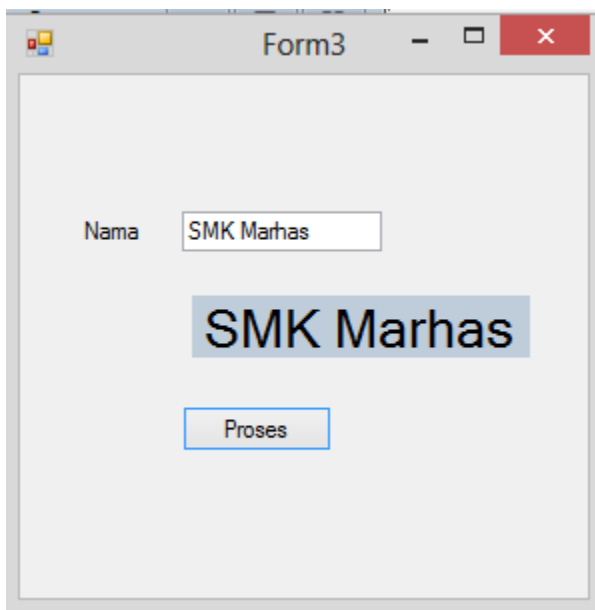
YM : [budinobipermana@yahoo.co.id](mailto:budinobipermana@yahoo.co.id)

Akhir kata penulis ucapkan terima kasih semoga menjadi ilmu bermanfaat bagi mereka yang menggunakan buku ini amin.

## Membuat Program Sederhana

Contoh 1

Nama Control	Propertis	Nilai
Form3	Text	Form
Label1	Text	Nama
Label2	Text	Kosongkan
Button	Name	btnproses
	Text	Proses



Kode Program

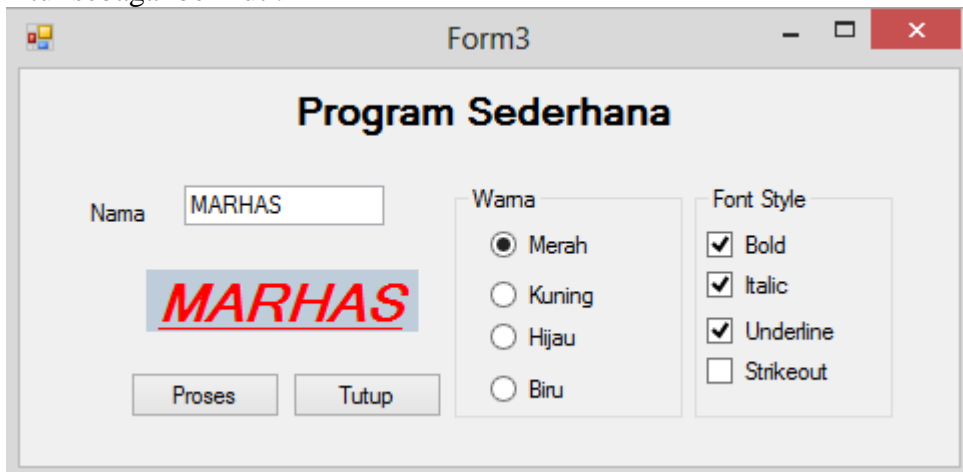
```
Public Class Form3
    Private Sub btnproses_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnproses.Click
        Label2.Text = txtnama.Text
    End Sub
End Class
```

Contoh 2

Nama Control	Propertis	Nilai
Form3	Text	Form
Label1	Text	Nama
Label2	Text	Kosongkan
Button1	Name	btnproses
	Text	Proses
Button1	Name	Btntutup
	Text	Tutup
Grupbox1	Text	Warna
Grupbox2	Text	Font Style
Radiobutton1	Text	Merah
Radiobutton2	Text	Kuning

<b>Radiobutton3</b>	<b>Text</b>	<b>Hijau</b>
<b>Radiobutton4</b>	<b>Text</b>	<b>Biru</b>
<b>Checkbox1</b>	<b>Text</b>	<b>Bold</b>
<b>Checkbox2</b>	<b>Text</b>	<b>Italic</b>
<b>Checkbox3</b>	<b>Text</b>	<b>Underline</b>
<b>Checkbox4</b>	<b>Text</b>	<b>Strikeout</b>

Atur sebagai berikut :



```
Public Class Form3

    Private Sub btnproses_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnproses.Click
        Label12.Text = txtnama.Text
    End Sub

    Private Sub btntutup_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btntutup.Click
        End
    End Sub

    Private Sub RadioButton1_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton1.CheckedChanged
        Label12.ForeColor = Color.Red
    End Sub

    Private Sub RadioButton2_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton2.CheckedChanged
        Label12.ForeColor = Color.Yellow
    End Sub

    Private Sub RadioButton3_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton3.CheckedChanged
        Label12.ForeColor = Color.Green
    End Sub

    Private Sub RadioButton4_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton4.CheckedChanged
        Label12.ForeColor = Color.Blue
    End Sub

    Private Sub Form3_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
End Sub

Private Sub CheckBox1_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CheckBox1.CheckedChanged
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size, Label2.Font.Style Xor FontStyle.Bold)
End Sub

Private Sub CheckBox2_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CheckBox2.CheckedChanged
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size, Label2.Font.Style Xor FontStyle.Italic)
End Sub

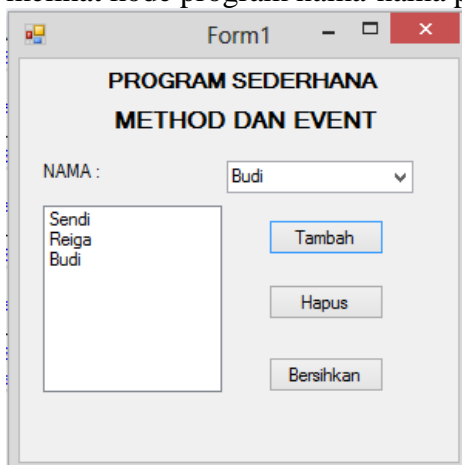
Private Sub CheckBox3_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CheckBox3.CheckedChanged
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size, Label2.Font.Style Xor FontStyle.Underline)
End Sub

Private Sub CheckBox4_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CheckBox4.CheckedChanged
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size, Label2.Font.Style Xor FontStyle.Strikeout)
End Sub

End Class
```

### Contoh 3

Untuk selanjutnya nama control penulis asumsikan pembaca sudah mengerti dengan melihat kode program nama-nama property yang dimaksud.



```
Public Class Form1

    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        ComboBox1.Items.Add("Budi")
        ComboBox1.Items.Add("Sendi")
        ComboBox1.Items.Add("Kiki")
        ComboBox1.Items.Add("Reiga")
        ComboBox1.Items.Add("Fauzi")
    End Sub

End Class
```

```

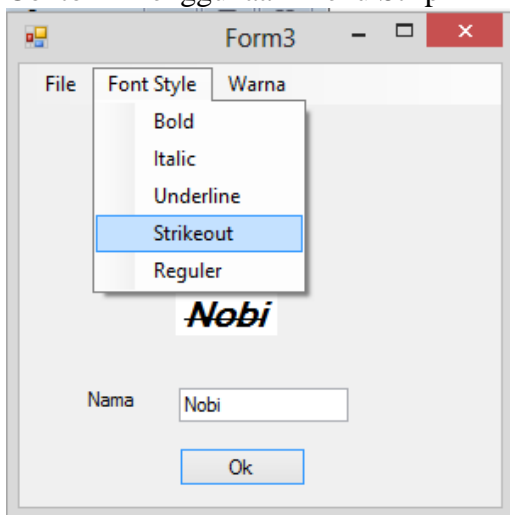
End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    ListBox1.Items.Add(ComboBox1.Text)
End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
    ListBox1.Items.Remove(ListBox1.Text)
End Sub

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
    ListBox1.Items.Clear()
End Sub
End Class
    
```

Contoh 4 Penggunaan Menu Strip



```

Public Class Form3

    Private Sub ExitToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ExitToolStripMenuItem.Click
        End
    End Sub

    Private Sub BoldToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles BoldToolStripMenuItem.Click
        Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size, Label2.Font.Style Xor FontStyle.Bold)
    End Sub

    Private Sub FontStyleToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FontStyleToolStripMenuItem.Click

    End Sub

    Private Sub ItalicToolStripMenuItem_Click(ByVal sender As System.Object, ByVal
    
```

```
e As System.EventArgs) Handles ItalicToolStripMenuItem.Click
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size,
Label2.Font.Style Xor FontStyle.Italic)
End Sub

Private Sub UnderlineToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles UnderlineToolStripMenuItem.Click
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size,
Label2.Font.Style Xor FontStyle.Underline)
End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Label2.Text = TextBox1.Text
End Sub

Private Sub StrikeoutToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles StrikeoutToolStripMenuItem.Click
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size,
Label2.Font.Style Xor FontStyle.Strikeout)
End Sub

Private Sub RegularToolStripMenuItem_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles RegularToolStripMenuItem.Click
    Label2.Font = New Font("Microsoft Sans Serif", Label2.Font.Size,
Label2.Font.Style Xor FontStyle.Regular)
End Sub

Private Sub MerahToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles MerahToolStripMenuItem.Click
    Label2.ForeColor = Color.Red
End Sub

Private Sub KuningToolStripMenuItem_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles KuningToolStripMenuItem.Click
    Label2.ForeColor = Color.Yellow
End Sub

Private Sub HijauToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles HijauToolStripMenuItem.Click
    Label2.ForeColor = Color.Green
End Sub

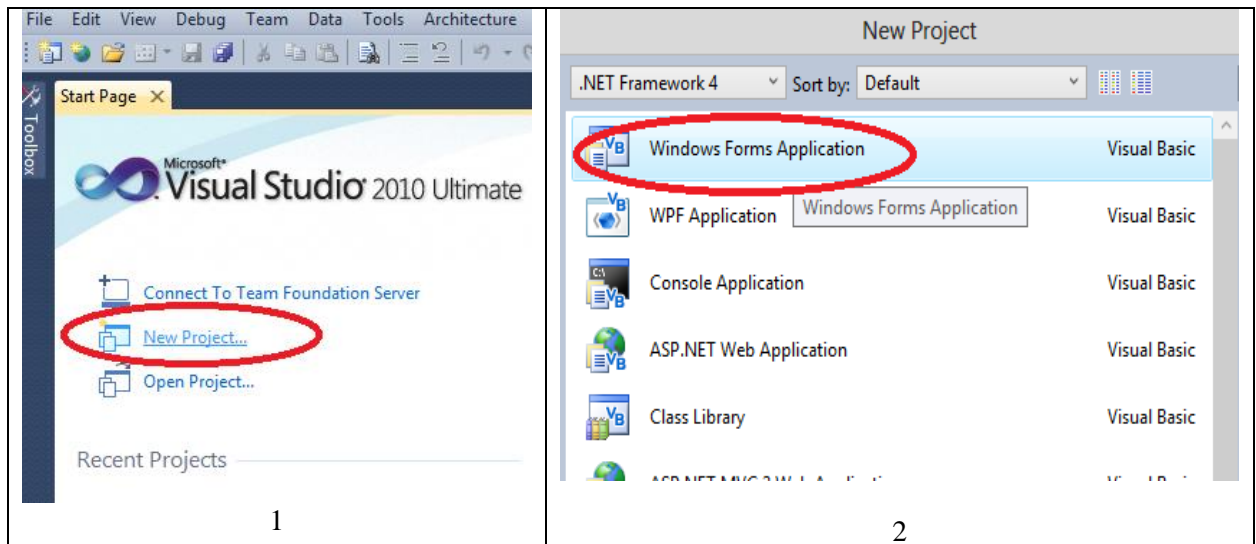
Private Sub BiruToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles BiruToolStripMenuItem.Click
    Label2.ForeColor = Color.Blue
End Sub

Private Sub KuningToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles KuningToolStripMenuItem1.Click
    Label2.ForeColor = Color.Yellow
End Sub
End Class
```

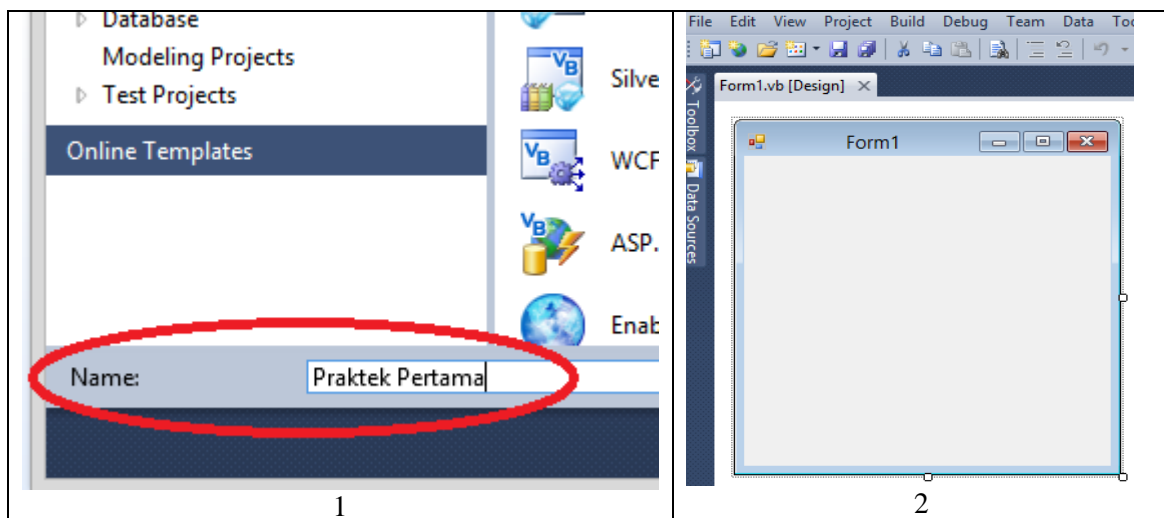
## MessageBox

### Membuat Aplikasi MessageBox :

1. Klik New Project > Windows Form Application



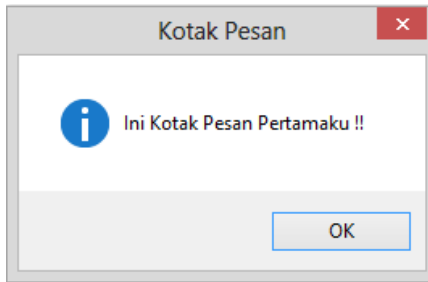
2. Kemudian ketikkan Peraktek pertama pada kotak Name setelah itu klik oke maka akan tampak form yang kita buat :



3. Kemudian klik dua kali pada kota form dan ketikkan kode di bawah ini :

```
Public Class Form1
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        MessageBox.Show("Ini Kotak Pesan Pertamaku !!", "Kotak Pesan",
            MessageBoxButtons.OK, MessageBoxIcon.Information)
    End Sub
End Class
```

4. Setelah itu klik run maka hasilnya akan terlihat seperti gambar di bawah ini :



5. Setelah itu klik ok

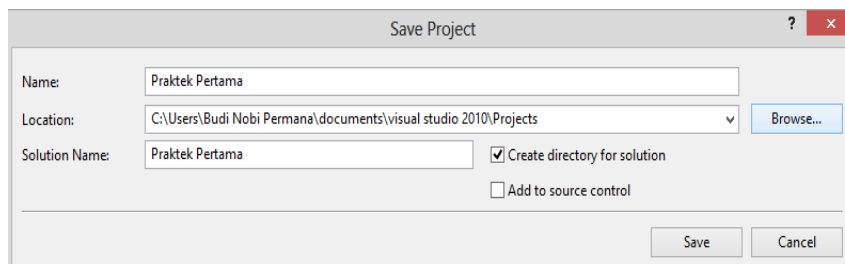
#### Penjelasan Kode :

```
1 Public Class Form1
2
3     Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
4         MessageBox.Show("Ini Kotak Pesan Pertamaku !!", "Kotak Pesan",
5             MessageBoxButtons.OK, MessageBoxIcon.Information)
6     End Sub
7 End Class
```

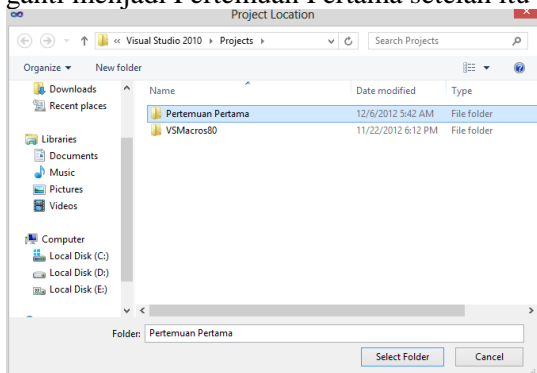
Pada baris ke 4 dan 5 akan menampilkan kotak pesan dengan icon pesan informasi, pada saat form di run.

#### Menyimpan Aplikasi :

1. Klik file > Save All maka akan muncul kotak dialog seperti gambar di bawah ini :



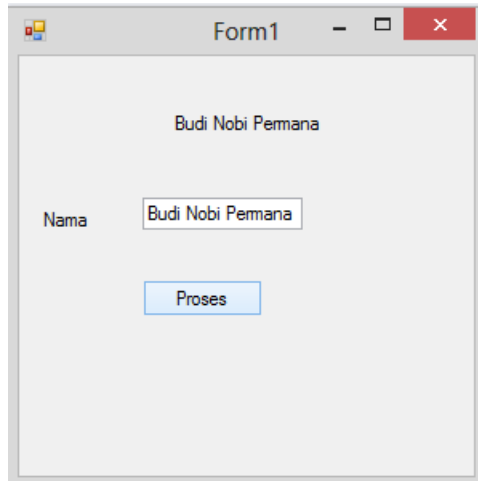
Kemudian klik Browse pilih tempat untuk menyimpan aplikasi buat folder kemudian rename ganti menjadi Pertemuan Pertama setelah itu select folder dan klik save.





Latihan :

1. Buat proyek baru dengan nama Latihan Pertama.
2. Tambahkan dua label dan satu textbox dan satu button.
3. Atur lah seperti tampak pada gambar dibawah ini.

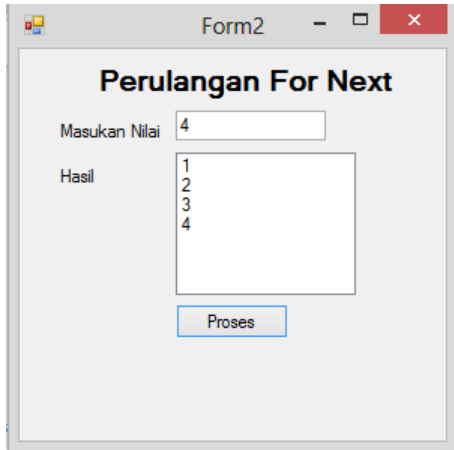


4. Ketika kita mengetik nama di kotak textbox dan tombol proses di klik maka akan muncul nama yang sama seperti di atas.

## Penggunaan For Next, While, Array

### Perulangan For Next

#### Contoh 1



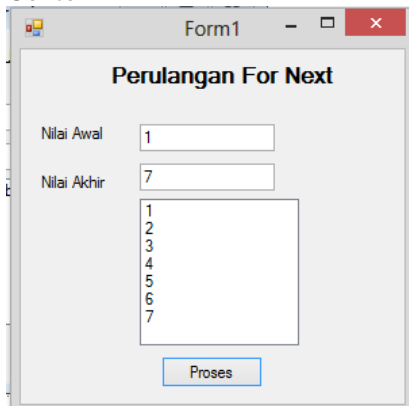
#### Kode program

```
Public Class Form2

    Private Sub BtnProses_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles BtnProses.Click
        Dim angka As Integer
        For angka = 1 To Txtnilai.Text
            LbHasil.Items.Add(angka)

        Next
    End Sub
End Class
```

#### Contoh 2



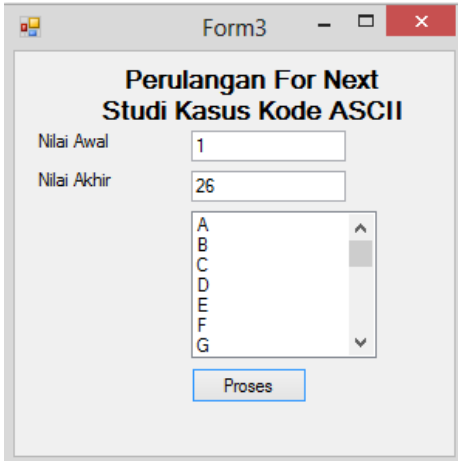
#### Kode Program

```
Public Class Form1

    Private Sub btnproses_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnproses.Click
        Dim angka As Integer
        For angka = Txtawal.Text To Txtakhir.Text
            Lbhasil.Items.Add(angka)
        Next
    End Sub
End Class
```

```
Next angka  
End Sub  
End Class
```

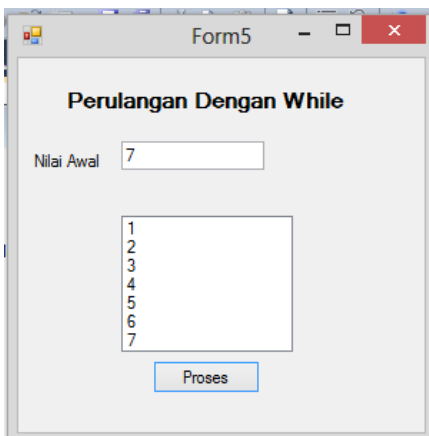
Contoh 3



Kode program

```
Public Class Form3  
  
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Btnproses.Click  
        Dim angka As Integer  
        Dim kodeascii As Char  
  
        For angka = Txtawal.Text To txtakhir.Text  
            kodeascii = ChrW(64 + angka)  
            lbhasil.Items.Add(kodeascii)  
        Next angka  
    End Sub  
End Class
```

### Perulangan While

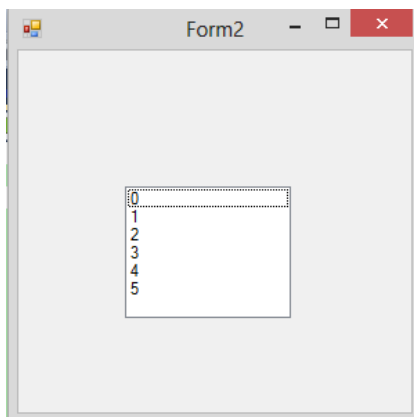


Klik dua kalik tombol proses dan masukan kode berikut :

```
Public Class Form5

    Private Sub Btnproses_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Btnproses.Click
        Dim bilangan As Integer = 1
        lbhasil.Items.Clear()
        While bilangan <= txtawal.Text
            lbhasil.Items.Add(bilangan)
            bilangan = bilangan + 1
        End While
    End Sub
End Class
```

**Penggunaan Array :**



**Kode program :**

```
Public Class Form2
    Dim nama(6) As String
    Private Sub Form2_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        Dim i As Integer
        nama(0) = "Indra"
        nama(1) = "maulana"
        nama(2) = "akbar"
        nama(3) = "Riki"
        nama(4) = "nobi"
        nama(5) = "Rendi"
        For i = 0 To 5
            ListBox1.Items.Add(i)
        Next i
    End Sub
End Class
```

Latihan:

Buatlah kode program seperti dibawah ini yang memisahkan antara bilangan ganjil dan genap

The screenshot shows a Windows application window titled "Form4". Inside the window, the text "Perulangan For Next Memisahkan Ganjil dan Genap" is displayed. Below the text, there are two input fields: "Nilai Awal" with the value "1" and "Nilai Akhir" with the value "7". Underneath these fields are two text boxes. The left text box contains the numbers "1", "3", "5", and "7" stacked vertically. The right text box contains the numbers "2", "4", and "6" stacked vertically. At the bottom center of the form is a button labeled "Proses".

#### Referensi

1. [www.msdn.microsoft.com](http://www.msdn.microsoft.com)
2. Budi Permana, Modul Belajar Cepat Membuat Program Dengan Visual Studio 2010 dan SQL Server 2008.

#### Biografi Penulis



Budi Permana, S.Kom adalah alumni dari Stmik Mardira Indonesia kota bandung, setelah lulus melanjutkan kuliah selama 6 bulan untuk mengambil Akta IV di UNISBA. Penulis pernah bekerja sebagai teknisi jaringan dan guru di smk marhas dan juga pernah bekerja sebagai Konsultan IT.