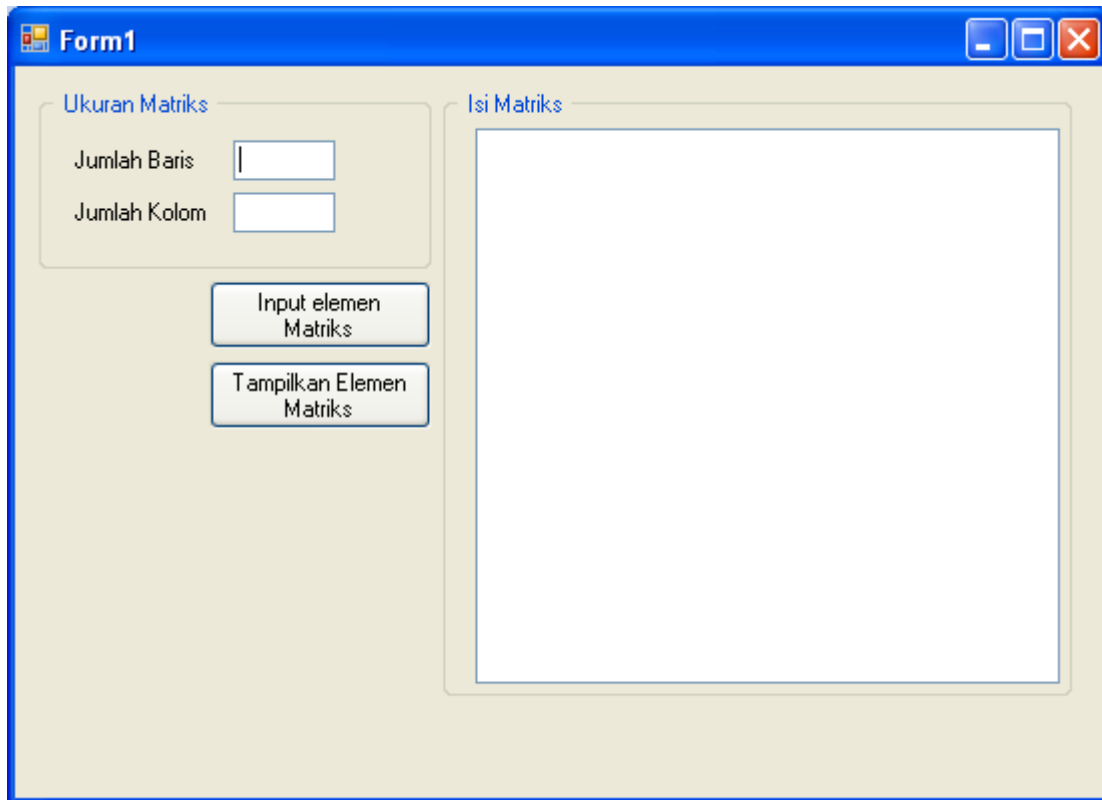


## Tampilan Form



## Listing program

Public Class Form1

```
'deklarasi array matriks.. jumlah elemen maksimum  
Dim matriks(100, 100) As Integer  
Dim baris As Integer, kolom As Integer  
Dim max_baris As Integer, max_kolom As Integer
```

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles  
btn_input.Click
```

```
Dim isian
```

```
If IsNumeric(Me.txt_baris.Text) = False Then  
MsgBox("Isian baris harus angka", MsgBoxStyle.Critical)  
Me.txt_baris.Text = "0"  
Exit Sub  
End If
```

```
If IsNumeric(Me.txt_kolom.Text) = False Then  
MsgBox("Isian kolom harus angka", MsgBoxStyle.Critical)  
Me.txt_kolom.Text = "0"  
Exit Sub  
End If
```

```
'deklarasi ulang matriks sesuai jumlah baris dan kolom
```

```
max_baris = CInt(Me.txt_baris.Text)
max_kolom = CInt(Me.txt_kolom.Text)
ReDim matriks(max_baris + 1, max_kolom + 1)
```

```
For baris = 1 To max_baris
    For kolom = 1 To max_kolom
        isian = InputBox("Masukkan elemen matriks[" & _
            baris & "," & kolom & "]", "input", "0")
        matriks(baris, kolom) = CInt(isian)
    Next
Next
MsgBox("Pengisian elemen selesai", MsgBoxStyle.Information)
End Sub
```

```
Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btn_tampil.Click
    Dim elemen
    Dim out1 As String

    out1 = ""
    For baris = 1 To max_baris
        For kolom = 1 To max_kolom
            elemen = CStr(matriks(baris, kolom))
            out1 = out1 & elemen & " "
        Next
        out1 = out1 + vbCrLf
    Next
    Me.txt_hasil.Text = out1
End Sub
End Class
```

### ALGORITMA PENJUMLAHAN MATRIKS

```
matriks1(baris,kolom)
matriks2(baris,kolom)
matrikshasil(baris,kolom)
```

```
//penjumlahan
for baris = 1 to max_baris
    for kolom = 1 to max_kolom
        matrikshasil(baris,kolom) = matriks1(baris,kolom) + matriks2(baris+kolom)
    next
next
```

## ALGORITMA PERKALIAN MATRIKS

matriks1(baris,kolom)  
matriks2(baris,kolom)  
matrikshasil(baris,kolom)

//perkalian

max\_baris\_hasil = max\_baris1  
max\_kolom\_hasil = max\_kolom2

For baris = 1 To max\_baris3

For kolom = 1 To max\_kolom3

hasil = 0

For kolom2 = 1 To max\_kolom3

hasil = hasil + (matriks1(baris, kolom2) \* matriks2(kolom2, kolom))

Next

matriks\_hasil(baris, kolom) = hasil

Next

Next