Public Class Form3

Dim cekKolom As Boolean = True

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

Try

Dim barisMatriks1 As Integer = TextBox1.Lines.Count

Dim kolomMatriks1 As Integer = TextBox1.Lines.ElementAt(0).Split(" ").Length

Dim barisMatriks2 As Integer = TextBox1.Lines.Count

Dim kolomMatriks2 As Integer = TextBox1.Lines.ElementAt(0).Split(" ").Length

Dim copyMatriks1(barisMatriks1, kolomMatriks1) As Integer

Dim copyMatriks2(barisMatriks2, kolomMatriks2) As Integer

cek(barisMatriks1, barisMatriks2, kolomMatriks1, kolomMatriks2)

copyToArray(barisMatriks1, barisMatriks2, kolomMatriks1, kolomMatriks2, copyMatriks1, copyMatriks2)

operasi(copyMatriks1, copyMatriks2, barisMatriks1, kolomMatriks2)

Catch ex As Exception

End Try

End Sub

Private Sub copyToArray(ByVal baris1 As Integer, baris2 As Integer, kolom1 As Integer, kolom2 As Integer, ByRef nilai1(,) As Integer, ByRef nilai2(,) As Integer)

If (Me.cekKolom) Then

For baris As Integer = 0 To baris1 - 1

For kolom As Integer = 0 To kolom1 - 1

nilai1(baris, kolom) = TextBox1.Lines.ElementAt(baris).Split(" ").ElementAt(kolom)

nilai2(baris, kolom) = TextBox2.Lines.ElementAt(baris).Split(" ").ElementAt(kolom)

Next

Next

End If

End Sub

Private Sub cek(ByVal baris1 As Integer, baris2 As Integer, kolom1 As Integer, kolom2 As Integer)

Dim tmp As Boolean = True

For baris = 0 To baris1 - 2

If (TextBox1.Lines.ElementAt(baris).Split(" ").Length <> TextBox1.Lines.ElementAt(baris + 1).Split(" ").Length) Then

tmp = False

End If

Next

For baris = 0 To baris2 - 2

If (TextBox2.Lines.ElementAt(baris).Split(" ").Length <> TextBox2.Lines.ElementAt(baris + 1).Split(" ").Length) Then

tmp = False

End If

Next

If (tmp = False) Then

Me.cekKolom = False

Convert.ToInt32(TextBox1.Text)

Convert.ToInt32(TextBox2.Text)

End If

End Sub

Private Sub operasi(ByVal matriks1(,) As Integer, matriks2(,) As Integer, batasBaris As Integer, batasKolom As Integer)

Dim hasil As String = ""

If (Me.cekKolom) Then

Select Case ComboBox1.Text

Case "Tambah"

For baris As Integer = 0 To batasBaris - 1

For kolom As Integer = 0 To batasKolom - 1

hasil &= (matriks1(baris, kolom) + matriks2(baris, kolom)).ToString & vbTab

Next

hasil &= vbNewLine

Next

Case "Kurang"

For baris As Integer = 0 To batasBaris - 1

For kolom As Integer = 0 To batasKolom - 1

hasil &= (matriks1(baris, kolom) - matriks2(baris, kolom)).ToString & vbTab

Next

hasil &= vbNewLine

Next

End Select

TextBox3.Text = hasil

End If

End Sub

End Class