Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

### Format Angka Desimal Dalam VB.Net

### **DATABASE ACCESS**

- 1. Buka MS. Access
- 2. Buat database dengan nama DESIMALDB
- 3. Buat tabel dengan nama TABLE1
- 4. Field hasil lihat format pada gambar di bawah ini :

📑 Table1 : Table	
Field Nam	e Data Type
Nilai 1	Number
Nilai2	Number
Hasil	Number 🚽
F I I	ield Properties
General Lookup	
Field Size	Decimal
Format	Standard
Precision	18
Scale	2
Decimal Places	2
Input Mask	
Caption	
Default Value	0
Validation Rule	
Validation Text	
Required	No
Indexed	No
Smart Tags	

5. Data hasil entri darai aplikasi terlihat pada gambar di bawah ini

	Table1 : Table					
	Nilai1	Nilai2	Hasil			
	25	40	32,50			
	55	60	57,50			
▶	0	0	0			
Re	Record: I 3 DE * of 3					

- 6. Membuat project baru di vb.net
- 7. Membuat form seperti gambar di bawah ini

## Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

•				
[	Data D	esimal	Access	
Nilai 1				
Nilai 2 Hasil				_
		Simpan		
	Nilai 1	Nilai2	Hasil	
•	25	40	32,50	
	55	60	57,50	
	75	68	71,50	
*				

#### Coding :

```
Imports System.Data.OleDb
Public Class Form1
    Dim conn As OleDbConnection
    Dim da As OleDbDataAdapter
    Dim ds As DataSet
    Dim cmd As OleDbCommand
    Dim dr As OleDbDataReader
    Sub Koneksi()
        conn = New
OleDbConnection("provider=microsoft.jet.oledb.4.0;data source
=desimal.mdb")
        conn.Open()
    End Sub
    Sub TampilGrid()
        da = New OleDbDataAdapter("select * from table1", conn)
        ds = New DataSet
        da.Fill(ds)
        DGV.DataSource = ds.Tables(0)
        DGV.ReadOnly = True
    End Sub
```

### Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

```
Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Call Koneksi()
        Call TampilGrid()
    End Sub
    Private Sub TextBox1_KeyDown(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyEventArgs) Handles TextBox1.KeyDown
        If e.KeyCode = Keys.Enter Then
            TextBox2.Focus()
        End If
    End Sub
    Private Sub TextBox2_KeyDown(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyEventArgs) Handles TextBox2.KeyDown
        If e.KeyCode = Keys.Enter Then
            TextBox3.Text = (Val(TextBox1.Text) +
Val(TextBox2.Text)) / 2
            Button1.Focus()
        End If
    End Sub
   Private Sub Button1_Click(ByVal sender As System.Object, ByVal e
As System. EventArgs) Handles Button1. Click
        Call Koneksi()
        Dim simpan As String = "insert into table1 values('" &
TextBox1.Text & "','" & TextBox2.Text & "','" & TextBox3.Text & "')"
        cmd = New OleDbCommand(simpan, conn)
        cmd.ExecuteNonOuerv()
        TextBox1.Clear()
        TextBox2.Clear()
        TextBox3.Clear()
        TextBox1.Focus()
        Call TampilGrid()
    End Sub
End Class
```

#### FORMAT DATA DESIMAL SQL SERVER

- 1. Buka sql server
- 2. Membuat database dengan nama DBDESIMAL
- 3. Membuat tabel dengan nama TABEL\_1
- 4. Format field Hasil lihat pada gambar di bawah ini :

## Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

SEN-FC SQLEAF RE	al - dbo. lable_1 Sum	mary	
Column Name	Data Type	Allow Nulls	
Nilai 1	numeric(18, 0)		
Nilai2	numeric(18, 0)		
Hasil	decimal(18, 2)		
<b>2</b> ↓ ©			
(Name)			Hasil
Allow Nulls			Yes
Data Type			decima
Data Type Default Value or Bindir	ng		decima
Data Type Default Value or Bindir Precision	ng		decimal

5. Data hasil etri dari aplikasi terlihat pada gambar di bawah ini

USER-PC\SQLE	(PREal - dbo.Table	e_1 USER-PC\SQLEXPRE
Nilai 1	Nilai2	Hasil
95	70	82,50
85	60	72,50
		2

- 6. Membuat project baru
- 7. Membuat form seperti gambar di bawah ini (supaya cepat, copy dari form access)

🖳 SqlSe	🖞 SqlServerDesimal 📃 🔲 🕰					
Da	Data Desimal Sql Server					
Nilai 1						
Nilai 2						
Hasil						
	Simpan					
	Nilai 1	Nilai2	Hasil			
•	95	70	82,50			
	85	60	72,50			
*						

Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

#### Coding:

```
Imports System.Data.SqlClient
Public Class SqlserverDesimal
    Dim conn As SqlConnection
    Dim da As SqlDataAdapter
    Dim ds As DataSet
    Dim cmd As SqlCommand
    Dim dr As SqlDataReader
    Sub Koneksi()
        conn = New SqlConnection("data
source=.\sqlexpress; initial catalog=DBdesimal; integrated
security=true")
        conn.Open()
    End Sub
    Sub TampilGrid()
        da = New SqlDataAdapter("select * from table_1", conn)
        ds = New DataSet
        da.Fill(ds)
        DGV.DataSource = ds.Tables(0)
        DGV.ReadOnly = True
    End Sub
    Private Sub SqlserverDesimal_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
        Call Koneksi()
        Call TampilGrid()
    End Sub
    Private Sub TextBox1_KeyDown(ByVal sender As Object, ByVal
e As System.Windows.Forms.KeyEventArgs) Handles
TextBox1.KeyDown
        If e.KeyCode = Keys.Enter Then
            TextBox2.Focus()
        End If
    End Sub
    Private Sub TextBox2 KeyDown (ByVal sender As Object, ByVal
e As System.Windows.Forms.KeyEventArgs) Handles
TextBox2.KeyDown
        If e.KeyCode = Keys.Enter Then
```

## Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

```
TextBox3.Text = (Val(TextBox1.Text) +
Val(TextBox2.Text)) / 2
            Button1.Focus()
        End If
    End Sub
    Private Sub Button1_Click(ByVal sender As System.Object,
ByVal e As System. EventArgs) Handles Button1. Click
        Call Koneksi()
        TextBox3.Text = TextBox3.Text.Replace(", ", ".")
        Dim simpan As String = "insert into table_1 values('"
& TextBox1.Text & "','" & TextBox2.Text & "','" &
TextBox3.Text & "')"
        cmd = New SqlCommand(simpan, conn)
        cmd.ExecuteNonQuery()
        TextBox1.Clear()
        TextBox2.Clear()
        TextBox3.Clear()
        TextBox1.Focus()
        Call TampilGrid()
    End Sub
End Class
```

### FORMAT ANGKA DESIMAL MYSQL

- 1. Run xampp control panel
- 2. Run apache dan mysql
- 3. Membuat database dengan nama desimaldb
- 4. Membuat tabel dengan nama tabeldata
- 5. Format field Hasil terlihat pada gambar di bawah ini

Browse	Structure
Field	Туре
Nilai1	int(5)
Nilai2	int(5)
Hasil	decimal(5,2)
	15

6. Data hasil entri dari aplikasi tampak pada gambar berikut :

+ Opt	ions				
			Nilai1	Nilai2	Hasil
	1	$\mathbf{X}$	85	60	72.50
	Þ	$\mathbf{X}$	85	70	77.50
					17

- 7. Membuat project baru
- 8. Membuat form

## Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

🖳 MySo	qlDesimal			Ĵ	
[	Data D	esimal	MySql	,	
Nilai 1 Nilai 2 Hasil					
	Simpan				
	Nilai 1	Nilai2	Hasil		
•	85	60	72,50		
	85	70	77,50		
*					

### Coding :

```
Imports System.Data.Odbc
Public Class MySqlDesimal
    Dim conn As odbcConnection
    Dim da As odbcDataAdapter
    Dim ds As DataSet
    Dim cmd As odbcCommand
    Dim dr As odbcDataReader
    Sub Koneksi()
        conn = New OdbcConnection("Driver=MySQL ODBC 5.1
Driver;SERVER=localhost;UID=root;DATABASE=desimaldb;PORT=3306"
)
        conn.Open()
    End Sub
    Sub TampilGrid()
        Call Koneksi()
        da = New OdbcDataAdapter("select * from tabeldata",
conn)
        ds = New DataSet
        da.Fill(ds)
        DGV.DataSource = ds.Tables(0)
```

### Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

```
DGV.ReadOnly = True
    End Sub
    Private Sub MySqlDesimal_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
        Call Koneksi()
        Call TampilGrid()
    End Sub
    Private Sub TextBox1 KeyDown (ByVal sender As Object, ByVal
e As System.Windows.Forms.KeyEventArgs) Handles
TextBox1.KeyDown
        If e.KeyCode = Keys.Enter Then
            TextBox2.Focus()
        End If
    End Sub
    Private Sub TextBox2_KeyDown(ByVal sender As Object, ByVal
e As System.Windows.Forms.KeyEventArgs) Handles
TextBox2.KeyDown
        If e.KeyCode = Keys.Enter Then
            TextBox3.Text = (Val(TextBox1.Text) +
Val(TextBox2.Text)) / 2
            Button1.Focus()
        End If
    End Sub
    Private Sub Button1_Click (ByVal sender As System.Object,
ByVal e As System. EventArgs) Handles Button1. Click
        Call Koneksi()
        TextBox3.Text = TextBox3.Text.Replace(", ", ".")
        Dim simpan As String = "insert into tabeldata
values('" & TextBox1.Text & "','" & TextBox2.Text & "','" &
TextBox3.Text & "')"
        cmd = New odbcCommand(simpan, conn)
        cmd.ExecuteNonQuery()
        TextBox1.Clear()
        TextBox2.Clear()
        TextBox3.Clear()
        TextBox1.Focus()
        Call TampilGrid()
    End Sub
End Class
```