

BAB 4

TIP DAN TRIK DATABASE DALAM VB.NET 2005

Buatlah form sebagai berikut :

The screenshot shows a Windows form titled "Tip Dan Trik Database". The form has a light beige background and a blue title bar. On the left side, there is a large, empty white rectangular area. To its right, there is a grid of seven textboxes arranged in two columns: Textbox1 and Textbox4 in the top row, Textbox2 and Textbox5 in the second row, Textbox3 and Textbox6 in the third row, and Combobox1 and Textbox7 in the bottom row. Below this grid is a large, dark gray rectangular area. At the bottom left, there is a button labeled "Button1". At the bottom right, there are two more textboxes, Textbox8 and Textbox9, stacked vertically. The form has standard Windows window controls (minimize, maximize, close) in the top right corner.

Skenario :

1. pada saat form di panggil, tampilkan kode_barang di listbox1
2. pada saat form di panggil, tampilkan kode_barang dan Nama_Barang di combobox1
3. pada saat kode barang di listbox1 diklik, maka tampilkan :
kode_barang di textbox1
Nama_Barang di textbox2
Harga_beli di textbox3
Harga_jual di textbox4
Jumlah_Barang di textbox5
Satuan di textbox6
4. pada saat data di combobox1 diklik, maka tampilkan :

kode_barang	di textbox1
Nama_Barang	di textbox2
Harga_beli	di textbox3
Harga_jual	di textbox4
Jumlah_Barang	di textbox5
Satuan	di textbox6

5. pada saat textbox7 diketik nama_barang, maka jika data ditemukan tampilkan data tersebut ke dalam grid, jika data tidak ditemukan tampilkan pesan bahwa data tidak ada
6. pada saat button1 di klik, maka tampilkan seluruh data barang ke dalam grid
7. pada saat button1 di klik, maka tampilkan jumlah seluruh record yang ada dalam grid
8. pada saat button1 di klik, maka tampilkan seluruh total harga_beli yang ada dalam grid
9. pikirkan ide lain untuk melakukan manipulasi (mencari menampilkan) database

Jawaban :

```
Imports System.Data.OleDb
```

```
Public Class Form2
```

```
    Dim Conn As OleDbConnection
```

```
    Dim da As OleDbDataAdapter
```

```
    Dim rd As OleDbDataReader
```

```
    Dim ds As DataSet
```

```
    Dim cmd As OleDbCommand
```

```
    Dim str As String
```

```
    Sub Koneksi()
```

```
        str = "provider=microsoft.jet.oledb.4.0;data source=db1.mdb"
```

```
        Conn = New OleDbConnection(str)
```

```
        If Conn.State = ConnectionState.Closed Then
```

```
            Conn.Open()
```

```
        End If
```

```
    End Sub
```

```
    Private Sub Form2_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
        Call Koneksi()
```

```
        cmd = New OleDbCommand("select * from barang", Conn)
```

```
        rd = cmd.ExecuteReader
```

```
        Do While rd.Read
```

```
        ListBox1.Items.Add(rd.GetString(0))
        ComboBox1.Items.Add(rd.GetString(0) & Space(5) &
rd.GetString(1))
    Loop
End Sub

Private Sub ListBox1_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ListBox1.SelectedIndexChanged
    cmd = New OleDbCommand("Select * from barang where
kode_barang='" & ListBox1.Text & "'", Conn)
    rd = cmd.ExecuteReader
    rd.Read()
    If rd.HasRows Then
        TextBox1.Text = rd.GetString(0)
        TextBox2.Text = rd.GetString(1)
        TextBox3.Text = rd.GetValue(2)
        TextBox4.Text = rd.GetValue(3)
        TextBox5.Text = rd.GetValue(4)
        TextBox6.Text = rd.GetString(5)
    End If
End Sub

Private Sub ComboBox1_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ComboBox1.SelectedIndexChanged
    cmd = New OleDbCommand("Select * from barang where
kode_barang='" & Microsoft.VisualBasic.Left(ComboBox1.Text, 2) & "'",
Conn)
    rd = cmd.ExecuteReader
    rd.Read()
    If rd.HasRows Then
        TextBox1.Text = rd.GetString(0)
        TextBox2.Text = rd.GetString(1)
        TextBox3.Text = rd.GetValue(2)
        TextBox4.Text = rd.GetValue(3)
        TextBox5.Text = rd.GetValue(4)
        TextBox6.Text = rd.GetString(5)
    End If
End Sub

Sub TampilGrid()
    da = New OleDbDataAdapter("Select * from barang", Conn)
    ds = New DataSet
    da.Fill(ds, "Barang")
    DGV.DataSource = ds.Tables("Barang")
End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Call TampilGrid()
    Call CariJumlahData()
    Call TotalHarga()
```

```
End Sub

Sub CariJumlahData()
    TextBox8.Text = DGV.RowCount - 1
End Sub

Sub TotalHarga()
    cmd = New OleDbCommand("Select sum(Harga_beli) as ketemu from
barang", Conn)
    rd = cmd.ExecuteReader
    rd.Read()
    TextBox9.Text = rd.GetValue(0)
End Sub

Sub TampilNama()
    da = New OleDbDataAdapter("select * from barang where
nama_barang like '%" & TextBox7.Text & "%'", Conn)
    ds = New DataSet
    da.Fill(ds, "Barang")
    DGV.DataSource = ds.Tables("Barang")
End Sub

Private Sub TextBox7_GotFocus(ByVal sender As Object, ByVal e As
System.EventArgs) Handles TextBox7.GotFocus
    TextBox7.Clear()
End Sub

Private Sub TextBox7_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles TextBox7.KeyPress
    If e.KeyChar = Chr(13) Then
        cmd = New OleDbCommand("select * from barang where
nama_barang like '%" & TextBox7.Text & "%'", Conn)
        rd = cmd.ExecuteReader
        rd.Read()
        If rd.HasRows Then
            da = New OleDbDataAdapter("select * from barang where
nama_barang like '%" & TextBox7.Text & "%'", Conn)
            ds = New DataSet
            da.Fill(ds, "Barang")
            DGV.DataSource = ds.Tables("Barang")
            Call CariJumlahData()
            Exit Sub
        Else
            MsgBox("Nama Barang tidak ditemukan")
            Call TampilGrid()
        End If
    End If
End Sub

End Sub
End Class
```