

## BAB 4

### TIP DAN TRIK DATABASE DALAM VB.NET 2005

Buatlah form sebagai berikut :

The screenshot shows a Windows application window titled "Tip Dan Trik Database". The window contains a form with the following controls:

- Textbox1, Textbox2, Textbox3, and Combobox1 are arranged vertically on the left side.
- Textbox4, Textbox5, Textbox6, and Textbox7 are arranged vertically on the right side.
- Textbox8 and Textbox9 are arranged vertically at the bottom right.
- Button1 is located at the bottom left.

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
```