

[ Manipulasi Database [Part 4 ]  
**Microsoft Visual Basic 6.0**

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# Paraktikum : FORM MAHASISWA

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**Manipulasi database Part 4  
.. ?, ko ada sambungan nya  
lagi yah?**

**Biarin deh asal jangan  
cintaku saja yg putus  
nyambung hihi.. 😊**

# Membuat Form Mahasiswa

- 1.) Buat Database dengan nama “dbakademik.mdb”  
-Simpan di folder khusus satukan dengan project program yang akan dibuat
- 2.) Buat Tabel dengan nama tabel “t\_mahasiswa” dengan data sebagai berikut :

No	Nama Field	Data Type	Size
1	npm	Text	15
2	nama_mahasiswa	Text	45
3	jenis_kelamin	Text	15
4	program_studi	Text	35
1	tanggal_lahir	Date	-
2	tempat_lahir	Text	35
3	alamat	Text	50
4	no_telepon	Text	15

\* Ket

Primary Key : “ npm “

# Membuat Form Transaksi

3.) Buka program Microsoft Visual Basic kemudian buat project lalu tambahkan module.bas

-Tambahkan Kode Program dibawah ini :

```
Global conn As ADODB.Connection
Global rst_mahasiswa As ADODB.Recordset

Public kode As String

Sub Koneksi()

Set conn = New ADODB.Connection
conn.Provider = "microsoft.jet.oledb.4.0"
    conn.CursorLocation = adUseClient
    conn.Open App.Path & "\dbakademik.mdb"

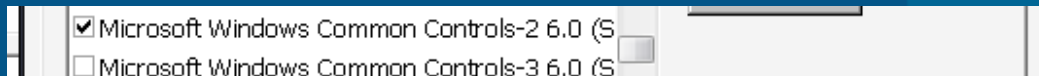
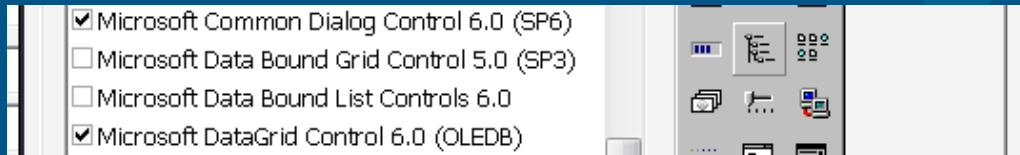
End Sub
```

# Membuat Form Transaksi

4. ) Kemudian tambahkan form dengan nama "frm\_mahasiswa"

Tambahan Komponen Baru :

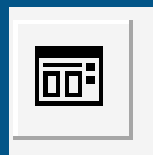
- Microsoft DataGrid Control 6.0 (OLEDB)
- Microsoft Common Dialog Control 6.0 (SP6)
- Microsoft Windows Common Control-2 6.0 (SP6)



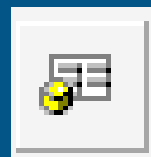
DTPicker



CommonDialog



DataGrid



# Membuat Form Transaksi

5.) Buat Layout Form sebagai berikut:

The screenshot shows a Windows application window titled "FORM DATA MAHASISWA". The form contains the following fields and controls:

- NPM: Text1
- Nama: Text2
- Jenis Kelamin: Combo1
- Program Studi: Combo2
- Tanggal Lahir: 20/05/2014
- Tempat Lahir: Text3
- Alamat: Text4
- No Telepon: Text5
- Foto: A dashed box for a photo, with a "Pilih Foto" button below it.
- Buttons: BARU, SIMPAN, EDIT, HAPUS, KELUAR
- Pencarian: Text6
- Table: DATA MAHASISWA (empty table)

\*Ket . Utuk menyimpan file gambar baut folder di dalam folder project program dengan nama folder " foto"

# Membuat Form Transaksi

## 6.) Set Properties :

No	Nama Objek	Properties	Isi
1	Form1	Caption	FORM DATA MAHASISSWA
2	Text4	Multiline	True
3	Image1	Stretch	True
4	Frame1	Caption	Foto
5	DataGrid1	Caption	DATA MAHASISWA
6	Combo1	List	Laki-laki Perempuan
7	Combo2	List	S1 Teknik Informatika D3 Komputer Akuntansi D3 Teknik Komputer Jaringan



# Membuat Form Transaksi

6.) Tambahkan Kode Program berikut kedalam Form Mahasiswa:

```
Private Sub Tampil()  
Set rst_mahasiswa = New ADODB.Recordset  
With rst_mahasiswa  
.LockType = adLockOptimistic  
.CursorType = adOpenDynamic  
.Open " select * from t_mahasiswa ", conn, , , adCmdText  
End With  
Set DataGrid1.DataSource = rst_mahasiswa  
End Sub  
  
Private Sub Simpan()  
Set rst_mahasiswa = New ADODB.Recordset  
With rst_mahasiswa  
.LockType = adLockOptimistic  
.CursorType = adOpenDynamic  
.Open " insert into t_mahasiswa values ('" & Text1.Text & "', " & _  
    "'" & Text2.Text & "', " & _  
    "'" & Combo1.Text & "', " & _  
    "'" & Combo2.Text & "', " & _  
    "'" & DTPicker1.Value & "', " & _  
    "'" & Text3.Text & "', " & _  
    "'" & Text4.Text & "', " & _  
    "'" & Text5.Text & "')", conn, , , adCmdText  
  
End With  
SavePicture Image1.Picture, App.Path & "\foto\" & Text1.Text & ".jpg"  
  
End Sub
```

```
Private Sub Edit()  
Set rst_mahasiswa = New ADODB.Recordset  
With rst_mahasiswa  
.LockType = adLockOptimistic  
.CursorType = adOpenDynamic  
.Open " update t_mahasiswa set npm='" & Text1.Text & "', " & _  
        " nama_mahasiswa ='" & Text2.Text & "'," & _  
        " jenis_kelamin ='" & Comb1.Text & "'," & _  
        " program_studi ='" & Combo2.Text & "'," & _  
        " tempat_lahir ='" & Text3.Text & "'," & _  
        " alamat ='" & Text4.Text & "'," & _  
        " no_telepon ='" & Text5.Text & "'" where npm = '" & kode & "'", conn, , , adCmdText  
End With  
  
SavePicture Imagel.Picture, App.Path & "\foto\" & Text1.Text & ".jpg"  
  
End Sub  
  
Private Sub Hapus()  
Set rst_mahasiswa = New ADODB.Recordset  
With rst_mahasiswa  
.LockType = adLockOptimistic  
.CursorType = adOpenDynamic  
.Open " delete from t_mahasiswa where npm ='" & Text1.Text & "'", conn, , , adCmdText  
End With  
  
End Sub
```

```
Private Sub Cari()  
Set rst_mahasiswa = New ADODB.Recordset  
With rst_mahasiswa  
.LockType = adLockOptimistic  
.CursorType = adOpenDynamic  
.Open " select * from t_mahasiswa where npm like '%" & Text6.Text & "%'  
or nama_mahasiswa like '%" & Text6.Text & "%'", conn, , , adCmdText  
End With  
Set DataGrid1.DataSource = rst_mahasiswa
```

End Sub

```
Private Sub Muncul()  
kode = DataGrid1.Columns(0)  
Text1.Text = DataGrid1.Columns(0)  
Text2.Text = DataGrid1.Columns(1)  
Combo1.Text = DataGrid1.Columns(2)  
Combo2.Text = DataGrid1.Columns(3)  
DTPicker1.Value = DataGrid1.Columns(4)  
  
Text3.Text = DataGrid1.Columns(5)  
Text4.Text = DataGrid1.Columns(6)  
Text5.Text = DataGrid1.Columns(7)  
Image1.Picture = LoadPicture(App.Path & "\foto\" & Text1.Text & ".jpg")
```

End Sub

```
Private Sub kosong()  
Text1.Text = ""  
Text2.Text = ""  
Text3.Text = ""  
Text4.Text = ""  
Text5.Text = ""  
Text6.Text = ""  
Combo1.Text = ""  
Combo2.Text = ""  
DTPicker1.Value = Date  
Image1.Picture = LoadPicture("")  
End Sub
```

```
Private Sub cair()  
Text1.Enabled = True  
Text2.Enabled = True  
Text3.Enabled = True  
Text4.Enabled = True  
Text5.Enabled = True  
Combo1.Enabled = True  
Combo2.Enabled = True  
DTPicker1.Enabled = True  
End Sub
```

```
Private Sub beku()  
Text1.Enabled = False  
Text2.Enabled = False  
Text3.Enabled = False  
Text4.Enabled = False  
Text5.Enabled = False  
Combo1.Enabled = False  
Combo2.Enabled = False  
DTPicker1.Enabled = False  
End Sub
```

```
Private Sub Command1_Click()
```

```
    cair
```

```
    kosong
```

```
    Text1.SetFocus
```

```
End Sub
```

```
Private Sub Command2_Click()
```

```
    If Text1.Text = "" Or Text2.Text = "" Or Combo1.Text = "" Or Combo2.Text = "" |  
    Or Text3.Text = "" Or Text4.Text = "" Or Text5.Text = "" Or Combo1.Text = "" Then
```

```
        MsgBox "Isi data dengan lengkap !", vbInformation, "Perhatian"
```

```
    Else
```

```
        Simpan
```

```
        Tampil
```

```
        kosong
```

```
        beku
```

```
        MsgBox "Data berhasil disimpan !", vbInformation, "Berhasil"
```

```
    End If
```

```
End Sub
```

```
Private Sub Command3_Click()  
If Command3.Caption = "EDIT" Then  
    cair  
    Command3.Caption = "UPDATE"  
ElseIf Command3.Caption = "UPDATE" Then  
    If Text1.Text = "" Or Text2.Text = "" Or Text3.Text = "" Or Text4.Text = ""  
    Or Text5.Text = "" Or Combol.Text = "" Then  
        MsgBox "Isi data dengan lengkap !", vbInformation, "Perhatian"  
    Else  
  
        Command3.Caption = "EDIT"  
        Edit  
        Tampil  
        kosong  
        beku  
        MsgBox "Data berhasil diperbaharui !", vbInformation, "Berhasil"  
  
    End If  
End If  
  
End Sub
```

```
Private Sub Command4_Click()  
Hapus  
Tampil  
kosong  
beku  
MsgBox "Data berhasil dihapus !", vbInformation, "Berhasil"  
  
End Sub
```

```
Private Sub Command5_Click()  
Unload Me  
End Sub
```

```
Private Sub Command6_Click()  
CommonDialog1.ShowOpen  
Image1.Picture = LoadPicture(CommonDialog1.FileName)  
End Sub
```

```
Private Sub DataGrid1_Click()  
Muncul  
End Sub
```

```
Private Sub Form_Load()  
Koneksi  
Tampil  
kosong  
beku  
End Sub
```

```
Private Sub Text6_Change()  
Cari  
End Sub
```