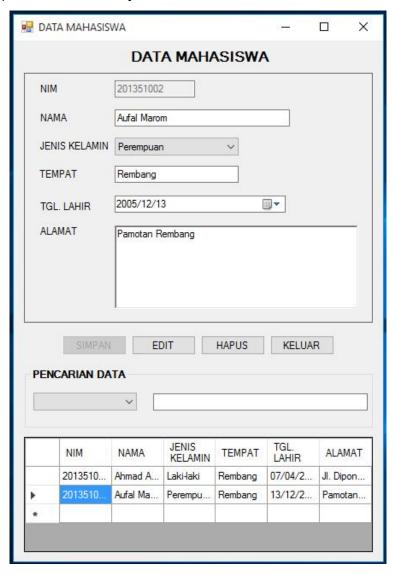**PERTEMUAN X**

MEMBUAT FORM KONEKSI DATABASE LANJUTAN

1. Membuat Form Koneksi Database

a. Tampilan Form saat dijalankan

b. Ketikkan Source Code berikut

```vb
Private Sub cmdedit_Click(sender As Object, e As EventArgs) Handles cmdedit.Click
    conn.Open()
    Try
        Dim perintah As New MySql.Data.MySqlClient.MySqlCommand
        perintah.CommandType = CommandType.Text
        perintah.CommandText = "update mahasiswa set nama = '" & txtnama.Text & "' , jekel = '" & cbojekel.Text & "' ,
        tempat = '" & txttempat.Text & "' , tgl_lahir = '" & tanggal.Text & "' , alamat = '" & txtalamat.Text & "'
        where nim = '" & txtnim.Text & "'"
        perintah.Connection = conn
        perintah.ExecuteNonQuery()
        MySQLReader = perintah.ExecuteReader
        MsgBox("Data berhasil diubah", MsgBoxStyle.Information, "Informasi")
    Catch ex As Exception
        MsgBox("Data gagal diubah" + ex.Message, MsgBoxStyle.Critical)
    End Try
    conn.Close()
    tampildata()
    cmdsimpan.Enabled = True
    txtnim.Enabled = True
    txtnim.Focus()
End Sub


Private Sub cmdhapus_Click(sender As Object, e As EventArgs) Handles cmdhapus.Click
    Dim hasil As MsgBoxResult = MessageBox.Show("Apakah Data ingin dihapus?", "Pesan",
                                    MessageBoxButtons.OKCancel, MessageBoxIcon.Warning)

    If hasil = vbOK Then
        conn.Open()
        perintah.Connection = conn
        perintah.CommandType = CommandType.Text
        perintah.CommandText = "Delete from mahasiswa WHERE nim='" & txtnim.Text & "'"
        perintah.ExecuteNonQuery()
        conn.Close()
    End If
    tampildata()
    cmdsimpan.Enabled = True
    txtnim.Enabled = True
    txtnim.Focus()
End Sub

Private Sub tabelmhs_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles tabelmhs.CellClick
    'menampilkan data di field
    Dim i As Integer
    i = Me.tabelmhs.CurrentRow.Index
    With tabelmhs.Rows.Item(i)
        Me.txtnim.Text = .Cells(0).Value
        Me.txtnama.Text = .Cells(1).Value
        Me.cbojekel.Text = .Cells(2).Value
        Me.txttempat.Text = .Cells(3).Value
        Me.tanggal.Text = .Cells(4).Value
        Me.txtalamat.Text = .Cells(5).Value
    End With
    txtnim.Enabled = False
    cmdsimpan.Enabled = False
End Sub

Private Sub cmdkeluar_Click(sender As Object, e As EventArgs) Handles cmdkeluar.Click
    Me.Close()
End Sub
```

```vb
Private Sub txtcari_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtcari.KeyPress
    Dim dt As DataTable
    Dim adapter As MySqlDataAdapter
    Dim sqlstr As String
    Dim data As Integer
    If cbocari.Text = "Nim" Then
        sqlstr = "Select * from mahasiswa where nim like '%" & txtcari.Text & "%'"
    Else cbocari.Text = "Nama"
        sqlstr = "Select * from mahasiswa where nama like '%" & txtcari.Text & "%'"
    End If
    adapter = New MySqlDataAdapter(sqlstr, conn)
    dt = New DataTable
    data = adapter.Fill(dt)
    If data > 0 Then
        tabelmhs.DataSource = dt
        tabelmhs.AutoSizeColumnsMode = DataGridViewAutoSizeColumnsMode.Fill
        tabelmhs.Columns(0).HeaderText = "NIM"
        tabelmhs.Columns(1).HeaderText = "NAMA"
        tabelmhs.Columns(2).HeaderText = "JEKEL"
        tabelmhs.Columns(3).HeaderText = "TEMPAT"
        tabelmhs.Columns(4).HeaderText = "TGL. LAHIR"
        tabelmhs.Columns(5).HeaderText = "ALAMAT"
    Else
        tabelmhs.DataSource = Nothing
        MsgBox("Data Tidak Ditemukan", MsgBoxStyle.Information, "Informasi")
    End If
End Sub
```

c.   Tampilan Aplikasi Untuk melakukan pencarian