

## LISTING PROGRAM

### 1. Form Log In

```
Imports System.Data.OleDb
Public Class LogIn

    Private Sub LblUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Ubah_Password.Show()
    End Sub

    Private Sub btnOK_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnOK.Click
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
        Dim cmd As OleDbCommand = conn.CreateCommand

        If txtUser.Text = "" And txtPass.Text = "" Then
            MsgBox("Data tidak lengkap")
        Else
            cmd.CommandText = "SELECT * FROM users WHERE [username]='" & txtUser.Text & "' AND
[password]='" & txtPass.Text & "'"
            Try
                conn.Open()
                Dim dr As OleDbDataReader = cmd.ExecuteReader

                Dim userFound = False
                Dim username As String = ""

                While dr.Read
                    userFound = True
                    username = dr("username").ToString()
                End While

                If userFound Then
                    Main.Show()
                    Me.Hide()
                    Main.Profiltmi.Text = username
                Else
                    MsgBox("Username dan password salah", MsgBoxStyle.Critical, "Login Gagal")
                End If
            Catch ex As Exception
                MsgBox(ex.Message)
            Finally
                conn.Close()
            End Try
        End If

    End Sub

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnBatal.Click
        Dim exit_app As String = MsgBox("Anda yakin keluar?", vbQuestion +vbYesNo, "Keluar")
        If exit_app = vbYes Then
            End
        End If

    End Sub
End Class
```

## 2. Form Main

Public Class Main

```
Private Sub Main_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
    Timer1.Enabled = True
    Timer2.Enabled = True
    Label1.Text = TimeOfDay()
    Label2.Text = Today()
End Sub
```

```
Private Sub DataBarangToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles DataBarangToolStripMenuItem.Click
    Data_Barang.Show()
    Me.Hide()
End Sub
```

```
Private Sub DataSupplierToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles DataSupplierToolStripMenuItem.Click
    Data_Supplier.Show()
    Me.Hide()
End Sub
```

```
Private Sub BarangMasukToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BarangMasukToolStripMenuItem.Click
    Barang_Masuk.Show()
    Me.Hide()
End Sub
```

```
Private Sub BarangKeluarToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BarangKeluarToolStripMenuItem.Click
    Barang_Keluar.Show()
    Me.Hide()
End Sub
```

```
Private Sub LogOutToolStripMenuItem1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles LogOutToolStripMenuItem1.Click
    Dim out_app As String = MsgBox("Anda yakin Logout?", vbQuestion + vbYesNo, "Logout")
    If out_app = vbYes Then
        Me.Hide()
        LogIn.Show()
    End If
End Sub
```

```
Private Sub UbahPasswordToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles UbahPasswordToolStripMenuItem.Click
    Ubah_Password.Show()
    Me.Close()
End Sub
```

```
Private Sub SeluruhBarangToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles SeluruhBarangToolStripMenuItem.Click
    Dim a As New databarang
    Dim b As New laporandatabarang
    b.CRdatabarang.ReportSource = a
    b.ShowDialog()
End Sub
```

```
Private Sub PerbulanToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles PerbulanToolStripMenuItem.Click
    Dim a As New datasupplier
    Dim b As New laporandatasupplier
```

```

        b.Crdatasupplier.ReportSource = a
        b.ShowDialog()
    End Sub

    Private Sub PertahunToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles PertahunToolStripMenuItem.Click
        Dim a As New barangmasuk
        Dim b As New laporanbarangmasuk
        b.Crbarangmasuk.ReportSource = a
        b.ShowDialog()
    End Sub

    Private Sub LaporanBarangKeluarToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles LaporanBarangKeluarToolStripMenuItem.Click
        Dim a As New barangkeluar
        Dim b As New laporanbarangkeluar
        b.Crbarangkeluar.ReportSource = a
        b.ShowDialog()
    End Sub

End Class

```

### 3. Form Data Barang

```

Imports System.Data.OleDb
Public Class Data_Barang
    Dim da As New OleDbDataAdapter
    Dim dt As New DataTable

    Private Sub btnKeluar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnKeluar.Click
        Main.Show()
        Me.Hide()
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnSimpan.Click
        Ubah()
    End Sub

    Function cekStok() As Integer
        Dim stok As String = ""
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
        Dim cmd As OleDbCommand = conn.CreateCommand
        Dim jumlah As Integer
        Dim dataJumlah() As String
        cmd.CommandText = "SELECT stok FROM data_barang WHERE kode_barang=" & txtKodeBrg.Text & ""
        Try
            conn.Open()
            Dim dr As OleDbDataReader = cmd.ExecuteReader

            While dr.Read
                stok = dr("stok").ToString()
            End While
            dataJumlah = Split(stok, " ")
            jumlah = Val(dataJumlah(0)) + Val(txtStock.Text)

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Function

```

```

Return jumlah
End Function

Sub updateJumlah()
Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
Dim cmd As OleDbCommand = conn.CreateCommand
Dim jumlahStok As Integer = cekStok()
MsgBox(jumlahStok)
cmd.CommandText = "UPDATE data_barang SET stok="
Try
conn.Open()
Dim i As Integer

i = cmd.ExecuteNonQuery
cmd.Dispose()
If i > 0 Then
MsgBox("Data berhasil dimasukkan!")
End If
Catch ex As Exception
MsgBox(ex.Message)
Finally
conn.Close()
End Try
End Sub

Sub MasukkanData()
Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
Dim cmd As OleDbCommand = conn.CreateCommand
cmd.CommandText = "INSERT INTO data_barang(kode_supplier, kode_barang, nama_barang, stock, modal,
harga_jual)" & _
" VALUES(" & txtKodeSup.Text & "," & txtKodeBrg.Text & "," & txtNamaBrg.Text & "," &
txtStok.Text & " " & cbSatuan.Text & "," & txtModal.Text & "," & txtHarga.Text & ")"
Try
conn.Open()
Dim i As Integer

i = cmd.ExecuteNonQuery
cmd.Dispose()
If i > 0 Then
MsgBox("Data berhasil dimasukkan!")
End If
Catch ex As Exception
MsgBox(ex.Message)
Finally
conn.Close()
ShowData()
End Try
End Sub

Sub ShowData()
Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
Dim cmd As OleDbCommand = conn.CreateCommand
cmd.CommandText = "SELECT * FROM data_barang"

Try
conn.Open()
da.SelectCommand = cmd
dt.Clear()
da.Fill(dt)
dgvData_Barang.DataSource = dt

```

```

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
End Sub

Private Sub Data_Barang_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
    ShowData()
End Sub

Sub Ubah()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "UPDATE data_barang SET kode_supplier=" & txtKodeSup.Text & ", kode_barang=" &
txtKodeBrg.Text & ", nama_barang=" & txtNamaBrg.Text & ", stock=" & txtStock.Text & " " & cbSatuan.Text & ",
modal=" & txtModal.Text & ", harga_jual=" & txtHarga.Text & " WHERE kode_barang=" & txtKodeBrg.Text & ""

    Try
        conn.Open()
        i = cmd.ExecuteNonQuery

        If i > 0 Then
            MsgBox("Data berhasil diupdate")
        Else

            End If

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
            ShowData()
        End Try
    End Sub

Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnHapus.Click
    Hapus()
End Sub

Sub Hapus()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "DELETE FROM data_barang WHERE kode_barang=" & txtKodeBrg.Text & ""

    Try
        conn.Open()

        i = cmd.ExecuteNonQuery

        If i > 0 Then
            MsgBox("Data Berhasil Dihapus")
        End If
    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
        ShowData()
    End Try
End Sub

```

```

    End Try
End Sub

Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCari.Click
    Cari()
End Sub
Sub Cari()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT * FROM data_barang WHERE kode_supplier LIKE '%" & txtCari.Text & "%'
OR kode_barang LIKE '%" & txtCari.Text & "%' OR nama_barang LIKE '%" & txtCari.Text & "%'"

    Try
        conn.Open()
        da.SelectCommand = cmd
        dt.Clear()
        da.Fill(dt)
        dgvData_Barang.DataSource = dt

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    ShowData()
End Sub

Private Sub dgvData_Barang_CellClick(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles dgvData_Barang.CellClick
    Dim stock As String = ""
    Dim satuan As String = ""
    Dim jumlah As Integer
    Dim dataStock(4) As String
    Try
        txtKodeSup.Text = dgvData_Barang.Item(0, e.RowIndex).Value
        txtKodeBrg.Text = dgvData_Barang.Item(1, e.RowIndex).Value
        txtNamaBrg.Text = dgvData_Barang.Item(2, e.RowIndex).Value

        stock = dgvData_Barang.Item(3, e.RowIndex).Value

        dataStock = stock.Split(" ")
        jumlah = dataStock(0)
        satuan = dataStock(1)

        cbSatuan.Text = satuan
        txtStock.Text = jumlah.ToString()

        txtModal.Text = dgvData_Barang.Item(4, e.RowIndex).Value
        txtHarga.Text = dgvData_Barang.Item(5, e.RowIndex).Value
    Catch ex As Exception
        MsgBox(ex.Message)
    End Try
End Sub
End Class

```

#### 4. Form Data Supplier

```
Imports System.Data.OleDb
Public Class Data_Supplier
    Dim da As New OleDbDataAdapter
    Dim dt As New DataTable
    Private Sub btnKeluar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnKeluar.Click
        Main.Show()
        Me.Hide()
    End Sub

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnSimpan.Click
        MasukkanDataSupplier()
    End Sub

    Sub MasukkanDataSupplier()
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
        Dim cmd As OleDbCommand = conn.CreateCommand
        cmd.CommandText = "INSERT INTO supplier(kode_supplier, nama_supplier, pemilik, alamat, no_telp)" & _
            " VALUES('" & txtKodeSup.Text & "','" & txtNamaSup.Text & "','" & txtPemilik.Text & "','" &
txtAlamat.Text & "','" & txtNomor.Text & "')"
        Try
            conn.Open()
            Dim i As Integer

            i = cmd.ExecuteNonQuery
            cmd.Dispose()
            If i > 0 Then
                MsgBox("Data berhasil dimasukkan!")
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
            ShowData()
        End Try
    End Sub

    Sub ShowData()
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
        Dim cmd As OleDbCommand = conn.CreateCommand
        cmd.CommandText = "SELECT * FROM supplier"

        Try
            conn.Open()
            da.SelectCommand = cmd
            dt.Clear()
            da.Fill(dt)
            dgvSupplier.DataSource = dt

        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

    Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnUbah.Click
        Ubah()
    End Sub
```

```

Sub Ubah()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "UPDATE supplier SET kode_supplier=" & txtKodeSup.Text & ", nama_supplier=" &
txtNamaSup.Text & ", pemilik=" & txtPemilik.Text & ", alamat=" & txtAlamat.Text & ", no_telp=" &
txtNomor.Text & " WHERE kode_supplier=" & lblKS.Text & ""

    Try
        conn.Open()
        i = cmd.ExecuteNonQuery

        If i > 0 Then
            MsgBox("Data berhasil diupdate")
        Else

        End If

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
        ShowData()
    End Try
End Sub

Private Sub dgvSupplier_CellClick(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles dgvSupplier.CellClick
    Try
        lblKS.Text = dgvSupplier.Item(0, e.RowIndex).Value
        txtKodeSup.Text = dgvSupplier.Item(0, e.RowIndex).Value
        txtNamaSup.Text = dgvSupplier.Item(1, e.RowIndex).Value
        txtPemilik.Text = dgvSupplier.Item(2, e.RowIndex).Value
        txtAlamat.Text = dgvSupplier.Item(3, e.RowIndex).Value
        txtNomor.Text = dgvSupplier.Item(4, e.RowIndex).Value
    Catch ex As Exception
        MsgBox(ex.Message)
    End Try
End Sub

Private Sub Data_Supplier_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
    ShowData()
End Sub

Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnHapus.Click
    Hapus()
End Sub

Sub Hapus()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "DELETE FROM supplier WHERE kode_supplier=" & txtKodeSup.Text & ""

    Try
        conn.Open()

        i = cmd.ExecuteNonQuery
    
```



```

        If i > 0 Then
            MsgBox("Data Berhasil Dihapus")
        End If
    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
        ShowData()
    End Try
End Sub

Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCari.Click
    Cari()
End Sub
Sub Cari()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT * FROM supplier WHERE kode_supplier LIKE '%" & txtCari.Text & "%' OR
nama_supplier LIKE '%" & txtCari.Text & "%' OR pemilik LIKE '%" & txtCari.Text & "%' OR alamat LIKE '%" &
txtCari.Text & "%"

    Try
        conn.Open()
        da.SelectCommand = cmd
        dt.Clear()
        da.Fill(dt)
        dgvSupplier.DataSource = dt

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
End Sub

End Class

```

## 5. Form Barang Masuk

```

Imports System.Data.OleDb
Public Class Barang_Masuk
    Dim da As New OleDbDataAdapter
    Dim dt As New DataTable

    Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnSimpan.Click
        MasukkanDataBarangMasuk()
        If cekKode() = True Then
            updateDataBarang()
        Else
            MasukkanDataBarang()
        End If
        ShowData()
    End Sub

    Sub updateDataBarang()
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
        Dim cmd As OleDbCommand = conn.CreateCommand
        Dim stock As Integer = cekStok() + Val(txtStock.Text)
        cmd.CommandText = "UPDATE data_barang SET stock=" & stock & " " & cbSatuan.Text & " WHERE
kode_barang=" & txtKodeBrg.Text & ""
    Try

```

```

    conn.Open()
    Dim i As Integer

    i = cmd.ExecuteNonQuery
    cmd.Dispose()
    If i > 0 Then
        MsgBox("Data barang berhasil diupdate!")
    End If
Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
End Try
End Sub

Function cekStok() As Integer
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

    Dim stokBarang As String = ""
    Dim jumlah As Integer
    Dim dataJumlah() As String

    Try
        conn.Open()
        Dim cmd As OleDbCommand = conn.CreateCommand
        cmd.CommandText = "SELECT * FROM data_barang WHERE kode_barang=" & txtKodeBrg.Text & ""
        Dim dr As OleDbDataReader = cmd.ExecuteReader

        While dr.Read
            stokBarang = dr("stock")
        End While

        dataJumlah = stokBarang.Split(" ")
        jumlah = Val(dataJumlah(0))

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
    Return jumlah
End Function

Function cekKode() As Boolean
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

    Dim temu As Boolean = False
    Try
        conn.Open()
        Dim cmd As OleDbCommand = conn.CreateCommand
        cmd.CommandText = "SELECT kode_barang FROM data_barang WHERE kode_barang=" &
txtKodeBrg.Text & ""
        Dim dr As OleDbDataReader = cmd.ExecuteReader

        While dr.Read
            temu = True
        End While

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
End Function

```

```

End Try
Return temu
End Function

```

```

Private Sub btnTambah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)

```

```

    txtKodeSup.Clear()
    txtKodeBrg.Clear()
    txtNamaBrg.Clear()
    txtStock.Clear()
    txtModal.Clear()
    txtHarga.Clear()
    txtKodeSup.Focus()

```

```

End Sub

```

```

Sub MasukkanDataBarangMasuk()

```

```

    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "INSERT INTO barang_masuk(tanggal, kode_supplier, kode_barang, nama_barang, stock,
modal, harga_jual)" & _
        " VALUES('" & dtpTanggal.Value & "', '" & txtKodeSup.Text & "', '" & txtKodeBrg.Text & "', '" &
txtNamaBrg.Text & "', '" & txtStock.Text & " " & cbSatuan.Text & "', '" & txtModal.Text & "', '" & txtHarga.Text & "')"

```

```

Try

```

```

    conn.Open()
    Dim i As Integer

```

```

    i = cmd.ExecuteNonQuery
    cmd.Dispose()
    If i > 0 Then
        MsgBox("Data berhasil dimasukkan!")
    End If

```

```

Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()

```

```

End Try

```

```

End Sub

```

```

Sub MasukkanDataBarang()

```

```

    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "INSERT INTO data_barang(kode_supplier, kode_barang, nama_barang, stock, modal,
harga_jual)" & _
        " VALUES('" & txtKodeSup.Text & "', '" & txtKodeBrg.Text & "', '" & txtNamaBrg.Text & "', '" &
txtStock.Text & " " & cbSatuan.Text & "', '" & txtModal.Text & "', '" & txtHarga.Text & "')"

```

```

Try

```

```

    conn.Open()
    Dim i As Integer

```

```

    i = cmd.ExecuteNonQuery
    cmd.Dispose()
    If i > 0 Then
        MsgBox("Data berhasil dimasukkan!")
    End If

```

```

Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()

```

```

End Try

```

```

End Sub

```

```

Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)

```

```

    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

```

```

Dim cmd As OleDbCommand = conn.CreateCommand
cmd.CommandText = "SELECT * FROM barang_masuk WHERE nama_barang='" & txtCari.Text & "'"

Try
    conn.Open()
    da.SelectCommand = cmd
    dt.Clear()
    da.Fill(dt)
    dgvBarangMasuk.DataSource = dt

Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
End Try
End Sub

Sub ShowData()
Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
Dim cmd As OleDbCommand = conn.CreateCommand
cmd.CommandText = "SELECT * FROM barang_masuk"

Try
    conn.Open()
    da.SelectCommand = cmd
    dt.Clear()
    da.Fill(dt)
    dgvBarangMasuk.DataSource = dt

Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
End Try
End Sub

Private Sub btnDataBarang_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnDataBarang.Click
    Data_Barang.Show()
    Me.Hide()
End Sub

Private Sub btnTest_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    MsgBox(cekStok())
End Sub

Private Sub Barang_Masuk_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
    ShowData()
End Sub

Private Sub dgvBarangMasuk_CellClick(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles dgvBarangMasuk.CellClick
    Dim stock As String = ""
    Dim satuan As String = ""
    Dim jumlah As Integer
    Dim dataStock(4) As String
    Try
        dtpTanggal.Value = dgvBarangMasuk.Item(1, e.RowIndex).Value
        lblKodeBarang.Text = dgvBarangMasuk.Item(0, e.RowIndex).Value
        txtKodeSup.Text = dgvBarangMasuk.Item(2, e.RowIndex).Value
        txtKodeBrg.Text = dgvBarangMasuk.Item(3, e.RowIndex).Value
    
```

```

txtNamaBrg.Text = dgvBarangMasuk.Item(4, e.RowIndex).Value

stock = dgvBarangMasuk.Item(5, e.RowIndex).Value

dataStock = stock.Split(" ")
jumlah = dataStock(0)
satuan = dataStock(1)

cbSatuan.Text = satuan
txtStock.Text = jumlah.ToString()

txtModal.Text = dgvBarangMasuk.Item(6, e.RowIndex).Value
txtHarga.Text = dgvBarangMasuk.Item(7, e.RowIndex).Value
Catch ex As Exception
    MsgBox(ex.Message)
End Try
End Sub

Private Sub btnTambah_Click_1(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnTambah.Click
    txtKodeBrg.Clear()
    txtHarga.Clear()
    txtKodeSup.Clear()
    txtModal.Clear()
    txtStock.Clear()
End Sub

Private Sub btnHapus1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnHapus1.Click
    Hapus()
End Sub
Sub Hapus()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "DELETE FROM barang_masuk WHERE id=" & lblKodeBarang.Text & ""

    Try
        conn.Open()

        i = cmd.ExecuteNonQuery

        If i > 0 Then
            MsgBox("Data Berhasil Dihapus")
        End If
    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
        ShowData()
    End Try
End Sub

Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnUbah.Click
    Ubah()
End Sub

Sub Ubah()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand

```

```

cmd.CommandText = "UPDATE barang_masuk SET tanggal=" & dtpTanggal.Value & ", kode_supplier=" &
txtKodeSup.Text & ", kode_barang=" & txtKodeBrg.Text & ", nama_barang=" & txtNamaBrg.Text & ", stock=" &
txtStock.Text & " " & cbSatuan.Text & ", modal=" & txtModal.Text & ", harga_jual=" & txtHarga.Text & "
WHERE kode_barang=" & lblKodeBarang.Text & ""

```

```

Try
    conn.Open()

    i = cmd.ExecuteNonQuery

    If i > 0 Then
        MsgBox("Data Berhasil diupdate")
    End If
Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
    ShowData()
End Try
End Sub

```

```

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    Main.Show()
    Me.Hide()
End Sub

```

```

Private Sub btnCari_Click_1(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnCari.Click
    Cari()
End Sub
Sub Cari()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT * FROM barang_masuk WHERE kode_supplier LIKE '%" & txtCari.Text & "%'
OR kode_barang LIKE '%" & txtCari.Text & "%' OR nama_barang LIKE '%" & txtCari.Text & "%'"

```

```

Try
    conn.Open()
    da.SelectCommand = cmd
    dt.Clear()
    da.Fill(dt)
    dgvBarangMasuk.DataSource = dt

Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
End Try
End Sub

```

```

Private Sub lblKodeBarang_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
lblKodeBarang.Click

```

```

End Sub
End Class

```

## 6. Form Barang Keluar

```

Imports System.Data.OleDb
Public Class Barang_Keluar
    Dim da As New OleDbDataAdapter
    Dim dt As New DataTable

```

```

Private Sub btnKeluar_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnKeluar.Click
    Main.Show()
    Me.Close()
End Sub

Private Sub btnSimpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnSimpan.Click
    If cekKode() = True Then
        updateDataBarang()
    End If
    ShowData()
End Sub

Sub updateDataBarang()
    If cekStok() < Val(txtJumlah.Text) Then
        MsgBox("Jumlah tidak sesuai")
    Else
        MasukkanDataBarangKeluar()
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data
Source=TugasAkhir.accdb")
        Dim cmd As OleDbCommand = conn.CreateCommand
        Dim i As Integer
        Dim stock As Integer = cekStok() - Val(txtJumlah.Text)
        cmd.CommandText = "UPDATE data_barang SET stock=" & stock & " " & cbSatuan.Text & " WHERE
kode_barang=" & cbKodeBarang.Text & ""
        Try
            conn.Open()

            i = cmd.ExecuteNonQuery
            cmd.Dispose()
            If i > 0 Then
                MsgBox("Data barang berhasil diupdate!")
            End If
        Catch ex As Exception
            MsgBox(ex.Message)
        Finally
            conn.Close()
        End Try
    End Sub

Function cekStok() As Integer
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

    Dim stokBarang As String = ""
    Dim jumlah As Integer
    Dim dataJumlah() As String

    Try
        conn.Open()
        Dim cmd As OleDbCommand = conn.CreateCommand
        cmd.CommandText = "SELECT * FROM data_barang WHERE kode_barang=" & cbKodeBarang.Text & ""
        Dim dr As OleDbDataReader = cmd.ExecuteReader

        While dr.Read
            stokBarang = dr("stock")
        End While

        dataJumlah = stokBarang.Split(" ")
    
```

```

        jumlah = Val(dataJumlah(0))

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
    Return jumlah
End Function

Function cekKode() As Boolean
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

    Dim temu As Boolean = False
    Try
        conn.Open()
        Dim cmd As OleDbCommand = conn.CreateCommand
        cmd.CommandText = "SELECT kode_barang FROM data_barang WHERE kode_barang=" &
cbKodeBarang.Text & """"
        Dim dr As OleDbDataReader = cmd.ExecuteReader

        While dr.Read
            temu = True
        End While

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
    Return temu
End Function

Function AutoNumber() As Integer
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    Dim nomor_transaksi As Integer
    Dim temu As Boolean = False
    cmd.CommandText = "SELECT TOP 1 * FROM barang_keluar ORDER BY nomor_transaksi DESC"

    Try
        conn.Open()
        Dim dr As OleDbDataReader = cmd.ExecuteReader

        While dr.Read
            temu = True
            nomor_transaksi = Val(dr("nomor_transaksi"))
        End While
        If temu = False Then
            nomor_transaksi = 0
        End If
        nomor_transaksi = nomor_transaksi + 1
    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
    Return nomor_transaksi
End Function

Sub MasukkanDataBarangKeluar()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

```



```

Dim cmd As OleDbCommand = conn.CreateCommand
cmd.CommandText = "INSERT INTO barang_keluar(nomor_transaksi, tanggal, kode_barang, nama_barang,
jumlah_beli, total)" & _
    " VALUES(" & txtTransaksi.Text & ", " & dtpTanggal.Value & ", " & cbKodeBarang.Text & ", " &
txtNamaBrg.Text & ", " & txtJumlah.Text & ", " & txtTotal.Text & ")"
Try
    conn.Open()
    Dim i As Integer

    i = cmd.ExecuteNonQuery
    cmd.Dispose()
    If i > 0 Then
        MsgBox("Data berhasil dimasukkan!")
    End If
Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
    ShowData()
End Try
End Sub

```

```

Private Sub Barang_Keluar_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
    ShowData()
    ShowKodeBarang()
    txtTransaksi.Text = AutoNumber().ToString()
End Sub

```

```

Sub ShowKodeBarang()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT kode_barang FROM data_barang"

    Try
        conn.Open()

        Dim dr As OleDbDataReader = cmd.ExecuteReader

        While dr.Read
            cbKodeBarang.Items.Add(dr("kode_barang").ToString())
        End While
    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
        ShowData()
    End Try
End Sub

```

```

Sub ShowData()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT * FROM barang_keluar"

    Try
        conn.Open()
        da.SelectCommand = cmd
        dt.Clear()
        da.Fill(dt)
        dgvBarangKeluar.DataSource = dt
    End Try
End Sub

```

```

Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
End Try
End Sub

```

```

Private Sub btnDataBarang_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnDataBarang.Click
    Data_Barang.Show()
    Me.Hide()
End Sub

```

```

Private Sub dgvBarangKeluar_CellClick(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles dgvBarangKeluar.CellClick
    Try
        txtTransaksi.Text = dgvBarangKeluar.Item(0, e.RowIndex).Value
        dtpTanggal.Value = dgvBarangKeluar.Item(1, e.RowIndex).Value
        cbKodeBarang.Text = dgvBarangKeluar.Item(2, e.RowIndex).Value
        txtNamaBrg.Text = dgvBarangKeluar.Item(3, e.RowIndex).Value
        txtJumlah.Text = dgvBarangKeluar.Item(4, e.RowIndex).Value
        txtTotal.Text = dgvBarangKeluar.Item(5, e.RowIndex).Value
    Catch ex As Exception
        MsgBox(ex.Message)
    End Try
End Sub

```

```

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    txtTransaksi.Text = AutoNumber().ToString()
    txtTotal.Clear()
    txtJumlah.Clear()
    txtNamaBrg.Clear()
End Sub

```

```

Private Sub btnCari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCari.Click
    Cari()
End Sub
Sub Cari()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT * FROM barang_keluar WHERE nama_barang LIKE '%" & txtCari.Text & "%'
OR kode_barang LIKE '%" & txtCari.Text & "%'"

```

```

    Try
        conn.Open()
        da.SelectCommand = cmd
        dt.Clear()
        da.Fill(dt)
        dgvBarangKeluar.DataSource = dt

    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
    End Try
End Sub

```

```

Private Sub btnUbah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
    Ubah()

```

```

End Sub

Sub Ubah()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "UPDATE barang_keluar SET tanggal=" & dtpTanggal.Value & ", nomor_transaksi=" &
txtTransaksi.Text & ", kode_barang=" & cbKodeBarang.Text & ", nama_barang=" & txtNamaBrg.Text & ", stock=" &
& txtJumlah.Text & " & cbSatuan.Text & ", total=" & txtTotal.Text & " WHERE nomor_transaksi=" &
lblKodeBarang.Text & ""

    Try
        conn.Open()

        i = cmd.ExecuteNonQuery

        If i > 0 Then
            MsgBox("Data Berhasil diupdate")
        End If
    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
        ShowData()
    End Try
End Sub

Private Sub cbKodeBarang_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles cbKodeBarang.SelectedIndexChanged
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT * FROM data_barang WHERE kode_barang=" & cbKodeBarang.Text & ""
    Try
        conn.Open()
        Dim dr As OleDbDataReader = cmd.ExecuteReader
        While dr.Read
            txtNamaBrg.Text = dr("nama_barang").ToString()

        End While
    Catch ex As Exception
        MsgBox(ex.Message)
    End Try
End Sub

Private Sub btnHapus_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnHapus.Click
    Hapus()
End Sub

Sub Hapus()
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim i As Integer
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "DELETE FROM barang_keluar WHERE nomor_transaksi=" & txtTransaksi.Text & ""

    Try
        conn.Open()

        i = cmd.ExecuteNonQuery

        If i > 0 Then
            MsgBox("Data Berhasil Dihapus")
        End If
    End Try
End Sub

```

```

        End If
    Catch ex As Exception
        MsgBox(ex.Message)
    Finally
        conn.Close()
        ShowData()
    End Try
End Sub

Private Sub txtJumlah_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
txtJumlah.TextChanged
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")
    Dim cmd As OleDbCommand = conn.CreateCommand
    cmd.CommandText = "SELECT * FROM data_barang WHERE kode_barang='" & cbKodeBarang.Text & "'"
    Dim harga As Integer
    Dim total As Integer
    Try
        conn.Open()
        Dim dr As OleDbDataReader = cmd.ExecuteReader
        While dr.Read
            harga = Val(dr("harga_jual"))

            End While
            total = harga * Val(txtJumlah.Text)
            txtTotal.Text = total.ToString()
        Catch ex As Exception
            MsgBox(ex.Message)
        End Try
    End Sub
End Class

```

## 7. Form Ubah Password

```

Imports System.Data.OleDb
Public Class Ubah_Password

    Private Sub btnBatal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnBatal.Click
        Main.Show()
        Me.Close()
    End Sub

    Private Sub btnOK_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnOK.Click
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0; Data Source=TugasAkhir.accdb")

        Dim i As Integer
        Dim temu As Boolean
        Dim cmd As OleDbCommand = conn.CreateCommand
        cmd.CommandText = "SELECT * FROM users WHERE username='" & txtUser.Text & "' AND password='" &
txtPass1.Text & "'"

        Try
            conn.Open()

            Dim dr As OleDbDataReader = cmd.ExecuteReader

            While dr.Read
                temu = True
            End While
            dr.Close()

            If temu = True Then

```

```
    If txtPass2.Text = txtPass1.Text Then
        Dim cmd2 As OleDbCommand = conn.CreateCommand
        cmd2.CommandText = "UPDATE users SET [password]='" & txtPass2.Text & "' WHERE [username]='" &
txtUser.Text & "' AND [password]='" & txtPass1.Text & "'"

        i = cmd2.ExecuteNonQuery
    Else
        MsgBox("Password pertama dan kedua harus sama")
    End If
End If

If i > 0 Then
    MsgBox("Password berhasil diupdate!")
End If

    cmd2.Dispose()
Catch ex As Exception
    MsgBox(ex.Message)
Finally
    conn.Close()
End Try
End Sub
End Class
```