**LISTING PROGRAM**

**Input Data User**

Imports System.Data.Odbc

Public Class frmUser

Dim Ada, tblEdit As Boolean

Private Sub frmUser\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles Me.KeyPress

If Asc(e.KeyChar) = Keys.Enter Then

SendKeys.Send("{tab}")

End If

End Sub

Private Sub frmUser\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Call Koneksi()

Call Tampilkan()

Call databaru()

Call tidaksiapisi()

Call kosongkan()

txtpass.UseSystemPasswordChar = True

txtRepass.UseSystemPasswordChar = True

End Sub

Sub databaru()

txtNama.Text = ""

txtpass.Text = ""

cbolevel.Text = ""

txtnama.Focus()

End Sub

Sub kosongkan()

Call tidaksiapisi()

txtuserId.Text = ""

txtnama.Text = ""

txtpass.Text = ""

txtRepass.Text = ""

cboLevel.Text = ""

txtuserId.Enabled = True

txtuserId.Focus()

End Sub

Sub siapisi()

txtnama.Enabled = True

txtpass.Enabled = True

txtRepass.Enabled = True

cbolevel.Enabled = True

btnHapus.Enabled = False

btnSimpan.Enabled = True

End Sub

Sub tidaksiapisi()

txtnama.Enabled = False

txtpass.Enabled = False

txtRepass.Enabled = False

cbolevel.Enabled = False

btnSimpan.Enabled = False

btnHapus.Enabled = False

End Sub

Sub Tampilkan()

da = New OdbcDataAdapter("Select User\_Id,username,level from tbuser order by user\_Id", Conn)

ds = New DataSet

ds.Clear()

da.Fill(ds, "tbuser")

DGV.DataSource = (ds.Tables("tbuser"))

DGV.ReadOnly = True

DGV.Columns(0).Width = 100

DGV.Columns(1).Width = 170

DGV.GridColor = Color.Blue

DGV.DefaultCellStyle.ForeColor = Color.Blue

DGV.RowHeadersDefaultCellStyle.BackColor = Color.DeepPink

DGV.AlternatingRowsDefaultCellStyle.BackColor = Color.DeepSkyBlue

DGV.SelectionMode = DataGridViewSelectionMode.FullRowSelect

DGV.ColumnHeadersDefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

DGV.Columns(0).HeaderText = "User Id"

DGV.Columns(1).HeaderText = "Nama User"

DGV.Columns(2).HeaderText = "Level"

End Sub

Private Sub txtRepass\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtRepass.KeyPress

If e.KeyChar = Chr(13) And txtpass.Text <> txtRepass.Text Then

MsgBox("Maaf, Password tidak sama", , "Perhatian...!")

txtRepass.Focus()

Exit Sub

Else

btnSimpan.Enabled = True

End If

End Sub

Private Sub txtuserId\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtuserId.KeyPress

If e.KeyChar = Chr(13) Then

cmd = New OdbcCommand("select \* from tbuser where user\_id='" & txtuserId.Text & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If rd.HasRows = True Then

txtnama.Text = rd.Item(1)

cboLevel.Text = rd.Item(3)

Call siapisi()

txtuserId.Enabled = False

Ada = True

btnHapus.Enabled = True

Else

Call databaru()

Call siapisi()

Ada = False

End If

tblEdit = False

End If

End Sub

Private Sub txtuserId\_Validated(ByVal sender As Object, ByVal e As System.EventArgs) Handles txtuserId.Validated

btnSimpan.Enabled = True

End Sub

Private Sub btnSimpan\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnSimpan.Click

If txtuserId.Text = "" Or txtnama.Text = "" Or txtpass.Text = "" Or cboLevel.Text = "" Then

MsgBox("Data Belum Lengkap", , "Perhatian...!")

txtuserId.Focus()

Exit Sub

End If

cmd = New OdbcCommand("Select \* from tbuser where user\_id='" & txtuserId.Text & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If Not rd.HasRows Then

Dim sqltambah As String = "Insert into tbuser (User\_id,username,password,level) values " & \_

"('" & txtuserId.Text & "','" & txtnama.Text & "',md5('" & (txtpass.Text) & "'),'" & cboLevel.Text & "')"

cmd = New OdbcCommand(sqltambah, Conn)

Else

Dim sqledit As String = "Update tbuser set " & \_

"username='" & txtnama.Text & "',password=md5('" & txtpass.Text & "') where user\_id='" & txtuserId.Text & "'"

cmd = New OdbcCommand(sqledit, Conn)

End If

cmd.ExecuteNonQuery()

Call Tampilkan()

Call kosongkan()

btnSimpan.Enabled = False

End Sub

Private Sub btnTutup\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnTutup.Click

Me.Close()

End Sub

Private Sub btnHapus\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnHapus.Click

cmd = New OdbcCommand("Select count(\*) as jml from tbuser ", Conn)

rd = cmd.ExecuteReader

rd.Read()

If rd.Item(0) = 1 Then

MsgBox("Maaf..., Data User tidak dapat dihapus", MsgBoxStyle.Critical, "Perhatian...!")

Exit Sub

Else

If MessageBox.Show("Yakin akan dihapus..?", "Hapus Data", MessageBoxButtons.YesNo) = Windows.Forms.DialogResult.Yes Then

cmd = New OdbcCommand("Delete from tbuser where user\_id='" & txtuserId.Text & "'", Conn)

cmd.ExecuteNonQuery()

End If

End If

Call Tampilkan()

Call kosongkan()

End Sub

Private Sub btnBatal\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnBatal.Click

Call kosongkan()

End Sub

Private Sub txtpass\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtpass.KeyPress

If e.KeyChar = Chr(13) And Ada = True And tblEdit = False Then

cmd = New OdbcCommand("Select \* from tbuser where user\_id='" & txtuserId.Text & "' and password=md5('" & txtpass.Text & "')", Conn)

rd = cmd.ExecuteReader

rd.Read()

If rd.HasRows Then

Call tidaksiapisi()

btnSimpan.Enabled = False

btnHapus.Enabled = True

Else

MsgBox("Maaf..., Password tidak sesuai", MsgBoxStyle.Critical, "Perhatian...!")

txtpass.Text = ""

txtpass.Focus()

btnSimpan.Enabled = False

btnHapus.Enabled = False

Exit Sub

End If

End If

End Sub

Private Sub txtnama\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtnama.TextChanged

txtnama.Text = StripNonAlphaNum(txtnama.Text)

End Sub

Private Sub txtpass\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtpass.TextChanged

End Sub

Private Sub DGV\_CellContentClick(ByVal sender As System.Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles DGV.CellContentClick

End Sub

Private Sub DGV\_CellDoubleClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles DGV.CellDoubleClick

txtuserId.Text = DGV.Rows(e.RowIndex).Cells(0).Value

txtuserId.Focus()

End Sub

Private Sub txtuserId\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtuserId.TextChanged

End Sub

Private Sub chkTampilPass\_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles chkTampilPass.CheckedChanged

If chkTampilPass.CheckState = CheckState.Checked Then

txtpass.UseSystemPasswordChar = False

Else

txtpass.UseSystemPasswordChar = True

End If

End Sub

Private Sub chkTampilPass2\_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles chkTampilPass2.CheckedChanged

If chkTampilPass2.CheckState = CheckState.Checked Then

txtRepass.UseSystemPasswordChar = False

Else

txtRepass.UseSystemPasswordChar = True

End If

End Sub

End Class

**Laporan Dataset**

Imports System.Data.Odbc

Public Class FrmLapDataset

Dim StopWatch As New Diagnostics.Stopwatch

Dim nJumData, JmlDataTemp As Integer

Sub CekDatasetdgnDataTemp()

cmd = New OdbcCommand("select count(distinct nomor) from tbdataset", Conn)

rd3 = cmd.ExecuteReader

rd3.Read()

nJumData = rd3.Item(0)

cmd = New OdbcCommand("select count(distinct nomor) from tbtemp", Conn)

rd3 = cmd.ExecuteReader

rd3.Read()

JmlDataTemp = rd3.Item(0)

If nJumData <> JmlDataTemp Then

Call Tampilkandata()

Else

Call TampilDataTemp()

End If

End Sub

Sub AturGird2()

Dim judul(50) As String

Dim i As Byte

Dim sql As String = "Select \* from `tbatribut` order by kode\_atribut asc"

Dim cmd As New OdbcCommand(sql, Conn)

Dim rd As OdbcDataReader = cmd.ExecuteReader

i = 0

While rd.Read

judul(i) = rd(1)

i = i + 1

End While

rd.Close()

frmMenuUtama.StatusStrip1.Visible = False

DG2.Columns(0).Width = 60

DG2.ReadOnly = True

DG2.AllowUserToAddRows = False

DG2.GridColor = Color.Blue

DG2.DefaultCellStyle.ForeColor = Color.Blue

DG2.RowHeadersDefaultCellStyle.BackColor = Color.DeepPink

DG2.AlternatingRowsDefaultCellStyle.BackColor = Color.DeepSkyBlue

DG2.SelectionMode = DataGridViewSelectionMode.FullRowSelect

DG2.ColumnHeadersDefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

DG2.Columns(0).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

For k As Integer = 1 To nJmlAtribut + 1

' DG2.Columns(k).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

DG2.Columns(k).Width = 80

DG2.Columns(k).HeaderText = judul(k - 1)

Next

DG2.Columns(0).HeaderText = "Nomor"

DG2.Columns(nJmlAtribut + 1).Width = 100

DG2.Columns(nJmlAtribut + 1).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleLeft

txtJumlah.Text = FormatNumber(DG2.RowCount, 0)

If DG2.RowCount > 1 Then

btnCetak.Enabled = True

Else

btnCetak.Enabled = False

End If

End Sub

Sub TampilDataTemp()

da = New OdbcDataAdapter("Select nomor,atribut1,atribut2,atribut3,atribut4,atribut5," & \_

"atribut6,klasifikasi from tbtemp order by nomor", Conn)

ds = New DataSet

ds.Clear()

da.Fill(ds, "tbtemp")

DG2.DataSource = (ds.Tables("tbtemp"))

DG2.ReadOnly = True

Call AturGird2()

End Sub

Sub Tampilkandata()

Dim cmd As OdbcCommand

cmd = New OdbcCommand("delete from `tbtemp` ", Conn)

cmd.ExecuteNonQuery()

Me.Refresh()

frmMenuUtama.StatusStrip1.Visible = True

Timer1.Enabled = True

nData = 0

frmMenuUtama.tspBar1.Maximum = 100

Timer1.Start()

Me.StopWatch.Start()

DG2.Columns.Clear()

DG2.Columns.Add("kode", "Nomor")

Dim sql As String = "Select \* from `tbatribut` order by kode\_atribut asc"

cmd = New OdbcCommand(sql, Conn)

Dim rd As OdbcDataReader = cmd.ExecuteReader

While rd.Read

DG2.Columns.Add(rd(1), rd(1))

End While

rd.Close()

sql = "select \* from `tbdataset` group by nomor order by `nomor` asc"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

Dim i As Integer = 0

While rd.Read

DG2.Rows.Add()

DG2.Item(0, i).Value = rd(0)

i += 1

End While

nJumData = DG2.RowCount

rd.Close()

sql = "select \* from `tbdataset` order by `nomor "

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

If rd.HasRows Then

rd.Close()

For j As Integer = 0 To DG2.RowCount - 2

sql = "select `nilai\_atribut` from `tbdataset` where `nomor`='" & DG2.Item(0, j).Value & "'"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

i = 0

While rd.Read

DG2.Item(i + 1, j).Value = rd(0)

i += 1

End While

rd.Close()

'isi tabel temp

cmd = New OdbcCommand("insert into `tbtemp`(nomor,atribut1,atribut2,atribut3,atribut4,atribut5," & \_

"atribut6,klasifikasi) values('" & DG2.Item(0, j).Value & "', " & \_

"'" & DG2.Item(1, j).Value & "','" & DG2.Item(2, j).Value & "','" & DG2.Item(3, j).Value & "'," & \_

"'" & DG2.Item(4, j).Value & "','" & DG2.Item(5, j).Value & "','" & DG2.Item(6, j).Value & "'," & \_

"'" & DG2.Item(7, j).Value & "')", Conn)

cmd.ExecuteNonQuery()

nData = nData + 1

frmMenuUtama.tspBar1.PerformStep()

frmMenuUtama.tspPersen.Text = ((nData / nJumData) \* 100).ToString("N2") & "% Completing..."

frmMenuUtama.tspBar1.Value = Math.Round(nData / nJumData \* 100)

Application.DoEvents()

Next

Else

rd.Close()

End If

Call AturGird2()

End Sub

Private Sub FrmLapDataTraining\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Call CekJmlAtribut()

Call CekDatasetdgnDataTemp()

End Sub

Private Sub btnTutup\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnTutup.Click

Me.Dispose()

End Sub

Private Sub btnCetak\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnCetak.Click

Dim frmCetakHasil As New frmLaporan

frmCetakHasil.CRV.ReportSource = Nothing

frmCetakHasil.CRV.ReportSource = "rptDataSet.rpt"

frmCetakHasil.CRV.Refresh()

frmCetakHasil.CRV.RefreshReport()

frmCetakHasil.Show(Me)

End Sub

Private Sub Timer1\_Tick(sender As System.Object, e As System.EventArgs) Handles Timer1.Tick

Dim elapsed As TimeSpan = Me.StopWatch.Elapsed

If frmMenuUtama.tspBar1.Value >= frmMenuUtama.tspBar1.Maximum Then

frmMenuUtama.tspPersen.Text = "100% Completed..."

frmMenuUtama.tsplama.Text = String.Format("{0:00}:{1:00}:{2:00}:{3:00}", Math.Floor(elapsed.TotalHours), elapsed.Minutes, elapsed.Seconds, elapsed.Milliseconds)

Timer1.Enabled = False

Else

frmMenuUtama.tsplama.Text = String.Format("{0:00}:{1:00}:{2:00}:{3:00}", Math.Floor(elapsed.TotalHours), elapsed.Minutes, elapsed.Seconds, elapsed.Milliseconds)

End If

End Sub

End Class