**LAMPIRAN**

FROM Data Training

Imports System.Data.Odbc

Imports System.Data.OleDb

Public Class frmDataTraining

Dim StopWatch As New Diagnostics.Stopwatch

Dim cKode\_Atribut(10) As String

Dim A, nJmlAtribut As Byte

Sub Kosongkan()

txtNo.Text = ""

txtNamaFile.Text = ""

btnHapus.Enabled = False

btnSimpan.Enabled = False

cmdimport.Enabled = False

dg1.Columns.Clear()

Call Aturnomor()

txtNo.Focus()

End Sub

Sub AturGird2()

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.Yellow

dg2.SelectionMode = DataGridViewSelectionMode.FullRowSelect

dg2.ColumnHeadersDefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

dg2.Columns(0).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

For k As Integer = 1 To nJmlAtribut

'dg2.Columns(k).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

dg2.Columns(k).Width = 100

Next

End Sub

Sub Tampilkandata()

Dim cNilai As String

dg2.Columns.Clear()

dg2.Columns.Add("kode", "Nomor")

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

While rd.Read

dg2.Columns.Add(rd(1), rd(1))

End While

rd.Close()

sql = "select \* from `tbdata\_transaksi` 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

rd.Close()

sql = "select \* from `tbdata\_transaksi`"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

If rd.HasRows Then

rd.Close()

For j As Integer = 0 To dg2.RowCount - 1

sql = "select `nilai\_atribut` from `tbdata\_transaksi` 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()

Next

Else

rd.Close()

End If

cNilai = ""

sql = "select \* from tbdata\_transaksi group by nomor"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

If rd.HasRows Then

rd.Close()

For j As Integer = 0 To dg2.RowCount - 1

sql = "select kode\_atribut from tbdata\_transaksi where nomor='" & dg2.Item(0, j).Value & "' group by nomor order by kode\_atribut"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

i = 0

While rd.Read

cmd = New OdbcCommand("select klasifikasi from tbdata\_transaksi where kode\_atribut='" & rd(0) & "' and nomor='" & dg2.Item(0, j).Value & "' ", Conn)

rd2 = cmd.ExecuteReader

rd2.Read()

If rd2.HasRows = True Then

cNilai = rd2.Item(0)

End If

dg2.Item(i + nJmlAtribut, j).Value = cNilai

i += 1

End While

' j += 1

rd.Close()

Next

Else

rd.Close()

End If

Call AturGird2()

End Sub

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

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

cmd = New OdbcCommand("Delete from tbData\_Transaksi where Nomor='" & txtNo.Text & "' ", Conn)

cmd.ExecuteNonQuery()

End If

Call Tampilkandata()

Call Kosongkan()

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 frmDataTraining\_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 frmDataTraining\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Koneksi()

Call CekJmlAtribut()

Call Kosongkan()

Call CekAtribut()

Call Tampilkandata()

stsBar.Visible = False

End Sub

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

If e.KeyChar = Chr(13) Then

'Call CekData()

End If

End Sub

Private Sub DG2\_CellDoubleClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles dg2.CellDoubleClick

txtNo.Text = dg2.Rows(e.RowIndex).Cells(0).Value

Call CekAtribut()

Call TampilAtribut()

stsBar.Visible = False

End Sub

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

Dim FileExcel As String

cDialog.Title = "Excel File"

cDialog.Filter = "Excel (\*.xls)|\*.xls"

cDialog.InitialDirectory = Application.ExecutablePath

cDialog.ShowDialog()

FileExcel = cDialog.FileName

txtNamaFile.Text = FileExcel

If txtNamaFile.Text <> "" Then

cmdimport.Enabled = True

stsBar.Visible = True

Else

cmdimport.Enabled = False

End If

End Sub

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

Dim conn\_xls As OleDbConnection

Dim cmd\_xls As OleDbCommand

Dim rd\_xls As OleDbDataReader

Dim cNo, nJmlDataExcel As Integer

Dim cKelas As String

Me.StopWatch.Reset()

If cmdimport.Text = "&Import" Then

If txtNamaFile.Text = "" Then

MsgBox("Maaf, File Excel belum dipilih !!!", 0 + 16, "Konfirmasi")

' cmdCari\_Click()

Exit Sub

End If

conn\_xls = New OleDbConnection("provider=Microsoft.ace.OLEDB.12.0;data source=" & txtNamaFile.Text & ";Extended Properties=Excel 8.0;")

conn\_xls.Open()

cmd\_xls = New OleDbCommand("SELECT COUNT(\*) AS jml\_rec FROM [sheet1$]", conn\_xls)

rd\_xls = cmd\_xls.ExecuteReader

rd\_xls.Read()

nJmlDataExcel = rd\_xls.Item(0)

cmd\_xls = New OleDbCommand("SELECT \* FROM [sheet1$]", conn\_xls)

rd\_xls = cmd\_xls.ExecuteReader

cmdimport.Visible = False

Me.Refresh()

Timer1.Enabled = True

nData = 0

pBar.Maximum = 100

Timer1.Start()

Me.StopWatch.Start()

While rd\_xls.Read

cNo = rd\_xls.Item(0)

cKelas = rd\_xls.Item(nJmlAtribut)

For J = 1 To nJmlAtribut - 1

cmd = New OdbcCommand("Select \* from tbdata\_transaksi where nomor='" & cNo & "'and kode\_atribut ='" & cKode\_Atribut(J - 1) & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If Not rd.HasRows Then

Dim sqltambah As String = "Insert into tbdata\_transaksi (nomor,kode\_atribut,nilai\_atribut,klasifikasi) values " & \_

"('" & cNo & "','" & cKode\_Atribut(J - 1) & "','" & rd\_xls.Item(J) & "','" & cKelas & "')"

cmd = New OdbcCommand(sqltambah, Conn)

Else

Dim sqledit As String = "Update tbdata\_transaksi set " & \_

"kode\_atribut='" & cKode\_Atribut(J - 1) & "', " & \_

"nilai\_atribut='" & rd\_xls.Item(J) & "', " & \_

"klasifikasi='" & cKelas & "' " & \_

" where nomor='" & cNo & "' and kode\_atribut ='" & cKode\_Atribut(J - 1) & "'"

cmd = New OdbcCommand(sqledit, Conn)

End If

cmd.ExecuteNonQuery()

Next

nData = nData + 1

pBar.PerformStep()

'Hitung persentase kinerja pemrosesan data dan tampilkan dalam status bar

labelPersen.Text = ((nData / nJmlDataExcel) \* 100).ToString("N2") & "% Completing..."

pBar.Value = Math.Round(nData / nJmlDataExcel \* 100)

Application.DoEvents()

End While

Timer1.Stop()

Me.StopWatch.Stop()

labelPersen.Text = "100% Completed"

conn\_xls.Close()

cmdimport.Visible = True

MsgBox("Import Data Sukses.", vbExclamation, "Information")

cmdimport.Enabled = False

Call Tampilkandata()

End If

End Sub

Sub CekAtribut()

'cboAtribut.Items.Clear()

cmd = New OdbcCommand("select distinct kode\_atribut from tbatribut order by Kode\_atribut", Conn)

rd = cmd.ExecuteReader

A = 0

While rd.Read

cKode\_Atribut(A) = rd.Item(0)

A = A + 1

End While

nJmlAtribut = A

End Sub

Sub TampilAtribut()

Dim cNilai As String

dg1.Columns.Clear()

dg1.Columns.Add("kode", "Atribut")

dg1.Columns.Add("kode", "Nilai Alternatif")

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

While rd.Read

dg1.Rows.Add(rd(1))

End While

rd.Close()

Dim i As Integer = 0

sql = "select \* from `tbdata\_transaksi`"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

If rd.HasRows Then

rd.Close()

For j As Integer = 0 To dg1.RowCount - 1

sql = "select `nilai\_atribut` from `tbdata\_transaksi` where `nomor`='" & txtNo.Text & "' " & \_

"and kode\_atribut ='" & cKode\_Atribut(j) & "'"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

i = 0

While rd.Read

dg1.Item(i + 1, j).Value = rd(0)

i += 1

btnHapus.Enabled = True

End While

rd.Close()

Next

Else

rd.Close()

End If

cNilai = ""

sql = "select \* from tbdata\_transaksi where nomor='" & txtNo.Text & "' group by nomor"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

If rd.HasRows Then

rd.Close()

' For j As Integer = 0 To dg1.RowCount - 1

sql = "select kode\_atribut from tbdata\_transaksi where nomor='" & txtNo.Text & "' group by nomor order by kode\_atribut"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

i = 0

While rd.Read

cmd = New OdbcCommand("select klasifikasi from tbdata\_transaksi where nomor='" & txtNo.Text & "' group by nomor ", Conn)

rd2 = cmd.ExecuteReader

rd2.Read()

If rd2.HasRows = True Then

cNilai = rd2.Item(0)

End If

dg1.Item(i + 1, nJmlAtribut - 1).Value = cNilai

i += 1

End While

' j += 1

rd.Close()

' Next

Else

rd.Close()

End If

For Each col As DataGridViewColumn In dg1.Columns

col.SortMode = DataGridViewColumnSortMode.Programmatic

Next

dg1.Columns(0).Width = 150

dg1.Columns(1).Width = 150

dg1.GridColor = Color.Blue

dg1.DefaultCellStyle.ForeColor = Color.Blue

dg1.RowHeadersDefaultCellStyle.BackColor = Color.DeepPink

dg1.AlternatingRowsDefaultCellStyle.BackColor = Color.Yellow

End Sub

Private Sub dg1\_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles dg1.CellClick

On Error Resume Next

If e.ColumnIndex > 0 Then

If e.RowIndex < dg1.RowCount - 1 Then

Dim cmb As New DataGridViewComboBoxCell

cmb.Items.Clear()

Dim sql As String = "select `nilai\_atribut` from `tbnilai\_atribut` where `kode\_atribut`='" & cKode\_Atribut(e.RowIndex) & "' order by `kode\_atribut` asc"

Dim cmd As New OdbcCommand(sql, Conn)

Dim rd As OdbcDataReader = cmd.ExecuteReader

While rd.Read

cmb.Items.Add(rd(0))

End While

rd.Close()

dg1.Item(e.ColumnIndex, e.RowIndex) = cmb

End If

End If

End Sub

Private Sub dg1\_CellBeginEdit(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellCancelEventArgs) Handles dg1.CellBeginEdit

If e.ColumnIndex > 0 Then

If e.RowIndex < dg1.RowCount - 1 Then

e.Cancel = False

Else

e.Cancel = True

End If

Else

e.Cancel = True

End If

btnSimpan.Enabled = True

End Sub

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

If txtNo.Text <> "" Then

Call CekAtribut()

Call TampilAtribut()

End If

End Sub

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

Dim cKelas As String = ""

Dim terisi As Boolean = True

For i As Integer = 1 To dg1.ColumnCount - 1

For j As Integer = 0 To dg1.RowCount - 2

If dg1.Item(i, j).Value = "" Then

terisi = False

End If

Next

Next

If terisi Then

For i As Integer = 1 To dg1.ColumnCount - 1

For j As Integer = 0 To dg1.RowCount - 3

cKelas = dg1.Item(i, nJmlAtribut - 1).Value

cmd = New OdbcCommand("Select \* from tbdata\_transaksi where nomor='" & txtNo.Text & "'and kode\_atribut ='" & cKode\_Atribut(j) & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If Not rd.HasRows Then

Dim sqltambah As String = "Insert into tbdata\_transaksi (nomor,kode\_atribut,nilai\_atribut,klasifikasi) values " & \_

"('" & txtNo.Text & "','" & cKode\_Atribut(j) & "','" & dg1.Item(i, j).Value & "','" & cKelas & "')"

cmd = New OdbcCommand(sqltambah, Conn)

Else

Dim sqledit As String = "Update tbdata\_transaksi set " & \_

"kode\_atribut='" & cKode\_Atribut(j) & "', " & \_

"nilai\_atribut='" & dg1.Item(i, j).Value & "', " & \_

"klasifikasi='" & cKelas & "' " & \_

" where nomor='" & txtNo.Text & "' and kode\_atribut ='" & cKode\_Atribut(j) & "'"

cmd = New OdbcCommand(sqledit, Conn)

End If

cmd.ExecuteNonQuery()

Next

Next

' MsgBox("Data Tersimpan")

Call Kosongkan()

Call Tampilkandata()

Else

MsgBox("Data belum terisi semua!")

End If

End Sub

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

Call Kosongkan()

stsBar.Visible = False

End Sub

Sub Aturnomor()

Dim cno As String

cno = ""

cmd = New OdbcCommand("Select \* from tbData\_training order by nomor desc", Conn)

rd = cmd.ExecuteReader

rd.Read()

If Not rd.HasRows Then

cno = 1

Else

cno = rd.Item(0) + 1

End If

txtNo.Text = cno

End Sub

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

Dim elapsed As TimeSpan = Me.StopWatch.Elapsed

If pBar.Value >= pBar.Maximum Then

labelPersen.Text = "100% Completed..."

lblLama.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

' pBar.Value = Math.Round(nData / Val(txtJumlah.Text) \* 100)

lblLama.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

Private Sub dg2\_CellContentClick(ByVal sender As System.Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles dg2.CellContentClick

End Sub

End Class

Form Data Testing

Imports System.Data.Odbc

Imports System.Data.OleDb

Public Class frmDataTesting

Dim StopWatch As New Diagnostics.Stopwatch

Dim cKode\_Atribut(10) As String

Dim A, nJmlAtribut As Byte

Sub Kosongkan()

txtNo.Text = ""

txtNama.Text = ""

txtNamaFile.Text = ""

btnHapus.Enabled = False

btnSimpan.Enabled = False

cmdimport.Enabled = False

dg1.Columns.Clear()

Call Aturnomor()

txtNo.Focus()

End Sub

Sub AturGird2()

dg2.Columns(0).Width = 60

dg2.Columns(1).Width = 200

dg2.ReadOnly = True

dg2.AllowUserToAddRows = False

dg2.GridColor = Color.Blue

dg2.DefaultCellStyle.ForeColor = Color.Blue

dg2.RowHeadersDefaultCellStyle.BackColor = Color.DeepPink

dg2.AlternatingRowsDefaultCellStyle.BackColor = Color.Yellow

dg2.SelectionMode = DataGridViewSelectionMode.FullRowSelect

dg2.ColumnHeadersDefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

dg2.Columns(0).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

For k As Integer = 2 To nJmlAtribut + 1

'dg2.Columns(k).DefaultCellStyle.Alignment = DataGridViewContentAlignment.MiddleCenter

dg2.Columns(k).Width = 100

Next

End Sub

Sub Tampilkandata()

dg2.Columns.Clear()

dg2.Columns.Add("kode", "Nomor")

dg2.Columns.Add("kode", "Nama")

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

Dim cmd As 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 `tbdata\_testing` 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)

' dg1.Item(0, i).Value = rd(0)

dg2.Item(1, i).Value = rd(1)

i += 1

End While

rd.Close()

sql = "select \* from `tbdata\_testing`"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

If rd.HasRows Then

rd.Close()

For j As Integer = 0 To dg2.RowCount - 1

sql = "select `nilai\_atribut` from `tbdata\_testing` where `nomor`='" & dg2.Item(0, j).Value & "'"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

i = 0

While rd.Read

dg2.Item(i + 2, j).Value = rd(0)

i += 1

End While

rd.Close()

Next

Else

rd.Close()

End If

Call AturGird2()

End Sub

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

cmd = New OdbcCommand("Select \* from tbklasifikasi where nomor='" & txtNo.Text & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If rd.HasRows Then

MsgBox("Maaf, Data Testing tersebut tidak dapat di Hapus...", , "Perhatian...!")

Else

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

cmd = New OdbcCommand("Delete from tbdata\_testing where Nomor='" & txtNo.Text & "' ", Conn)

cmd.ExecuteNonQuery()

End If

End If

Call Tampilkandata()

Call Kosongkan()

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 frmDataTraining\_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 frmDataTraining\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Koneksi()

Call Tampilkandata()

Call Kosongkan()

Call CekAtribut()

stsBar.Visible = False

End Sub

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

If e.KeyChar = Chr(13) Then

'Call CekData()

End If

End Sub

Private Sub DG2\_CellDoubleClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles dg2.CellDoubleClick

txtNo.Text = dg2.Rows(e.RowIndex).Cells(0).Value

txtNo\_Validated(sender, e)

'Call CekAtribut()

'Call TampilAtribut()

stsBar.Visible = False

End Sub

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

Dim FileExcel As String

cDialog.Title = "Excel File"

cDialog.Filter = "Excel (\*.xls)|\*.xls"

cDialog.InitialDirectory = Application.ExecutablePath

cDialog.ShowDialog()

FileExcel = cDialog.FileName

txtNamaFile.Text = FileExcel

If txtNamaFile.Text <> "" Then

cmdimport.Enabled = True

stsBar.Visible = True

Else

cmdimport.Enabled = False

End If

End Sub

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

Dim conn\_xls As OleDbConnection

Dim cmd\_xls As OleDbCommand

Dim rd\_xls As OleDbDataReader

Dim cNama As String

Dim cNo, nJmlDataExcel As Integer

'On Error Resume Next

Me.StopWatch.Reset()

If cmdimport.Text = "&Import" Then

If txtNamaFile.Text = "" Then

MsgBox("Maaf, File Excel belum dipilih !!!", 0 + 16, "Konfirmasi")

' cmdCari\_Click()

Exit Sub

End If

conn\_xls = New OleDbConnection("provider=Microsoft.ace.OLEDB.12.0;data source=" & txtNamaFile.Text & ";Extended Properties=Excel 8.0;")

conn\_xls.Open()

cmd\_xls = New OleDbCommand("SELECT COUNT(\*) AS jml\_rec FROM [sheet1$]", conn\_xls)

rd\_xls = cmd\_xls.ExecuteReader

rd\_xls.Read()

nJmlDataExcel = rd\_xls.Item(0)

cmd\_xls = New OleDbCommand("SELECT \* FROM [sheet1$]", conn\_xls)

rd\_xls = cmd\_xls.ExecuteReader

cmdimport.Visible = False

Timer1.Enabled = True

nData = 0

pBar.Maximum = 100

Timer1.Start()

Me.StopWatch.Start()

Me.Refresh()

While rd\_xls.Read

cNo = rd\_xls.Item(0)

cNama = rd\_xls.Item(1)

For J = 2 To nJmlAtribut + 1

cmd = New OdbcCommand("Select \* from tbdata\_testing where nomor='" & cNo & "'and kode\_atribut ='" & cKode\_Atribut(J - 2) & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If Not rd.HasRows Then

Dim sqltambah As String = "Insert into tbdata\_testing (nomor,nama,kode\_atribut,nilai\_atribut) values " & \_

"('" & cNo & "','" & cNama & "','" & cKode\_Atribut(J - 2) & "','" & rd\_xls.Item(J) & "')"

cmd = New OdbcCommand(sqltambah, Conn)

Else

Dim sqledit As String = "Update tbdata\_testing set " & \_

"kode\_atribut='" & cKode\_Atribut(J - 2) & "', " & \_

"nilai\_atribut='" & rd\_xls.Item(J) & "' " & \_

" where nomor='" & cNo & "' and kode\_atribut ='" & cKode\_Atribut(J - 2) & "'"

cmd = New OdbcCommand(sqledit, Conn)

End If

cmd.ExecuteNonQuery()

Next

nData = nData + 1

pBar.PerformStep()

'Hitung persentase kinerja pemrosesan data dan tampilkan dalam status bar

labelPersen.Text = ((nData / nJmlDataExcel) \* 100).ToString("N2") & "% Completing..."

pBar.Value = Math.Round(nData / nJmlDataExcel \* 100)

Application.DoEvents()

End While

Timer1.Stop()

Me.StopWatch.Stop()

labelPersen.Text = "100% Completed"

conn\_xls.Close()

cmdimport.Visible = True

MsgBox("Import Data Sukses.", vbExclamation, "Information")

cmdimport.Enabled = False

Call Tampilkandata()

End If

End Sub

Sub CekAtribut()

'cboAtribut.Items.Clear()

cmd = New OdbcCommand("select distinct kode\_atribut from tbatribut " & \_

"where jenis\_atribut='Atribut' order by Kode\_atribut", Conn)

rd = cmd.ExecuteReader

A = 0

While rd.Read

cKode\_Atribut(A) = rd.Item(0)

A = A + 1

End While

nJmlAtribut = A

End Sub

Sub TampilAtribut()

dg1.Columns.Clear()

dg1.Columns.Add("kode", "Atribut")

dg1.Columns.Add("kode", "Nilai Atribut")

Dim sql As String = "Select \* from `tbatribut` where jenis\_atribut='Atribut' order by Kode\_atribut asc"

Dim cmd As New OdbcCommand(sql, Conn)

Dim rd As OdbcDataReader = cmd.ExecuteReader

While rd.Read

dg1.Rows.Add(rd(1))

End While

rd.Close()

Dim i As Integer = 0

sql = "select \* from `tbdata\_testing`"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

If rd.HasRows Then

rd.Close()

For j As Integer = 0 To dg1.RowCount - 1

sql = "select `nilai\_atribut` from `tbdata\_testing` where `nomor`='" & txtNo.Text & "' " & \_

"and kode\_atribut ='" & cKode\_Atribut(j) & "'"

cmd = New OdbcCommand(sql, Conn)

rd = cmd.ExecuteReader

i = 0

While rd.Read

dg1.Item(i + 1, j).Value = rd(0)

i += 1

btnHapus.Enabled = True

End While

rd.Close()

Next

Else

rd.Close()

End If

For Each col As DataGridViewColumn In dg1.Columns

col.SortMode = DataGridViewColumnSortMode.Programmatic

Next

dg1.Columns(0).Width = 170

dg1.Columns(1).Width = 170

dg1.GridColor = Color.Blue

dg1.DefaultCellStyle.ForeColor = Color.Blue

dg1.RowHeadersDefaultCellStyle.BackColor = Color.DeepPink

dg1.AlternatingRowsDefaultCellStyle.BackColor = Color.Yellow

End Sub

Private Sub dg1\_CellClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles dg1.CellClick

On Error Resume Next

If e.ColumnIndex > 0 Then

If e.RowIndex < dg1.RowCount - 1 Then

Dim cmb As New DataGridViewComboBoxCell

cmb.Items.Clear()

Dim sql As String = "select `nilai\_atribut` from `tbnilai\_atribut` where `kode\_atribut`='" & cKode\_Atribut(e.RowIndex) & "' order by `kode\_atribut` asc"

Dim cmd As New OdbcCommand(sql, Conn)

Dim rd As OdbcDataReader = cmd.ExecuteReader

While rd.Read

cmb.Items.Add(rd(0))

End While

rd.Close()

dg1.Item(e.ColumnIndex, e.RowIndex) = cmb

End If

End If

End Sub

Private Sub dg1\_CellBeginEdit(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellCancelEventArgs) Handles dg1.CellBeginEdit

If e.ColumnIndex > 0 Then

If e.RowIndex < dg1.RowCount - 1 Then

e.Cancel = False

Else

e.Cancel = True

End If

Else

e.Cancel = True

End If

btnSimpan.Enabled = True

End Sub

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

If txtNo.Text <> "" Then

cmd = New OdbcCommand("select \* from tbdata\_testing where nomor='" & txtNo.Text & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If rd.HasRows = True Then

txtNama.Text = rd.Item(1)

Else

txtNama.Text = ""

End If

Call CekAtribut()

Call TampilAtribut()

End If

End Sub

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

Dim terisi As Boolean = True

For i As Integer = 1 To dg1.ColumnCount - 1

For j As Integer = 0 To dg1.RowCount - 2

If dg1.Item(i, j).Value = "" And txtNama.Text = "" Then

terisi = False

End If

Next

Next

If terisi Then

For i As Integer = 1 To dg1.ColumnCount - 1

For j As Integer = 0 To dg1.RowCount - 2

cmd = New OdbcCommand("Select \* from tbdata\_testing where nomor='" & txtNo.Text & "'and kode\_atribut ='" & cKode\_Atribut(j) & "'", Conn)

rd = cmd.ExecuteReader

rd.Read()

If Not rd.HasRows Then

Dim sqltambah As String = "Insert into tbdata\_testing (nomor,nama,kode\_atribut,nilai\_atribut) values " & \_

"('" & txtNo.Text & "','" & txtNama.Text & "','" & cKode\_Atribut(j) & "','" & dg1.Item(i, j).Value & "')"

cmd = New OdbcCommand(sqltambah, Conn)

Else

Dim sqledit As String = "Update tbdata\_testing set " & \_

"nama='" & txtNama.Text & "', " & \_

"kode\_atribut='" & cKode\_Atribut(j) & "', " & \_

"nilai\_atribut='" & dg1.Item(i, j).Value & "' " & \_

" where nomor='" & txtNo.Text & "' and kode\_atribut ='" & cKode\_Atribut(j) & "'"

cmd = New OdbcCommand(sqledit, Conn)

End If

cmd.ExecuteNonQuery()

Next

Next

' MsgBox("Data Tersimpan")

Call Kosongkan()

Call Tampilkandata()

Else

MsgBox("Data belum terisi semua!")

End If

End Sub

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

Call Kosongkan()

stsBar.Visible = False

End Sub

Sub Aturnomor()

Dim cno As String

cno = ""

cmd = New OdbcCommand("Select \* from tbData\_testing order by nomor desc", Conn)

rd = cmd.ExecuteReader

rd.Read()

If Not rd.HasRows Then

cno = 1

Else

cno = rd.Item(0) + 1

End If

txtNo.Text = cno

End Sub

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

End Sub

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

Dim elapsed As TimeSpan = Me.StopWatch.Elapsed

If pBar.Value >= pBar.Maximum Then

labelPersen.Text = "100% Completed..."

lblLama.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

' pBar.Value = Math.Round(nData / Val(txtJumlah.Text) \* 100)

lblLama.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