**Koneksi**

**Listing Program**

Imports System.Data.OleDb

Module Module1

Public Koneksi As OleDbConnection

Public Perintah As OleDbCommand

Public Pembaca As OleDbDataReader

Public SQL As String

Public AlamatDatabase As String = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" & \_

Application.StartupPath & "\DbRinaldi1.mdb;"

Sub Bukadatabase()

Koneksi = New OleDbConnection(AlamatDatabase)

If Koneksi.State <> ConnectionState.Closed Then Koneksi.Close()

Try

Koneksi.Open()

' MsgBox("Database Terkoneksi")

Beep()

Catch ex As Exception

MsgBox("Database Gagal Terkoneksi")

End Try

End Sub

End Module

**Form Login**

Imports System.Data.OleDb

Public Class Login

Private Sub Login()

SQL = "Select \* from tblLogin where User='" & txtUser.Text & "' and Password='" & txtPass.Text & "'"

Perintah = New OleDbCommand(SQL, Koneksi)

Pembaca = Perintah.ExecuteReader

If Pembaca.Read = True Then

Me.Hide()

MsgBox("Login Berhasil", MsgBoxStyle.Information, "Login")

frmMenu.Show()

Else

MsgBox("USERNAME ATAU PASSWORD ANDA SALAH..!", MsgBoxStyle.Information, "Informasi")

End If

End Sub

Private Sub txtUser\_KeyDown(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArgs) Handles txtUser.KeyDown

If e.KeyCode = Keys.Enter Then txtPass.Focus()

End Sub

Private Sub txtPass\_KeyDown(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArgs) Handles txtPass.KeyDown

If e.KeyCode = Keys.Enter Then btnLogin.Focus()

End Sub

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

Call Login()

End Sub

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

End

End Sub

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

Call Bukadatabase()

End Sub

End Class

**Form Menu Utama**

Imports System.Data.OleDb

Public Class frmMenu

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

End Sub

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

frmCalonKetua.Show()

End Sub

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

frmKriteria.Show()

End Sub

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

FrmPenilaian.Show()

End Sub

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

If MsgBox("Tutup Aplikasi ?", MsgBoxStyle.Question + MsgBoxStyle.YesNo, "Konfirmasi") = MsgBoxResult.Yes Then

End

End If

End Sub

Private Sub PerhitunganToolStripMenuItem1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles PerhitunganToolStripMenuItem1.Click

FrmProses.Show()

End Sub

Private Sub FrmLaporanToolStripMenuItem1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FrmLaporanToolStripMenuItem1.Click

FrmLaporan.Show()

End Sub

End Class

**Form Data Ketua**

Imports System.Data.OleDb

Public Class frmCalonKetua

Private Sub Tampil\_Data()

SQL = "SELECT \* FROM tblCalonKetua order by Kode asc"

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim c As Integer

lvDataKetua.Items.Clear()

While Data.Read

lvDataKetua.Items.Add(Data("Kode"))

lvDataKetua.Items(c).SubItems.Add(Data("Nama"))

lvDataKetua.Items(c).SubItems.Add(Data("Alamat"))

lvDataKetua.Items(c).SubItems.Add(Data("No Telepon"))

c = c + 1

End While

End Using

End Sub

Sub kode()

Perintah = New OleDbCommand("SELECT \* FROM tblCalonKetua WHERE Kode In(SELECT MAX(Kode)FROM tblCalonKetua)ORDER BY Kode asc", Koneksi)

Pembaca = Perintah.ExecuteReader

Pembaca.Read()

Dim Urutan As String

Dim Hitung As Long

With Pembaca

If Not .HasRows Then

Urutan = "K0001"

Else

Hitung = Microsoft.VisualBasic.Right(Pembaca("Kode"), 3) + 1

Urutan = "K" & Microsoft.VisualBasic.Right("00" & Hitung, 3)

End If

txtKode.Text = Urutan

End With

Pembaca.Close()

Urutan = Nothing

Hitung = Nothing

Pembaca = Nothing

End Sub

Private Sub bersih()

txtKode.Text = ""

txtNama.Text = ""

txtalamat.Text = ""

txtNo.Text = ""

txtKode.Focus()

End Sub

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

If btntambah.Text = "Tambah" Then

btntambah.Text = "Simpan"

Else

Try

Using Cmd As New OleDbCommand("Insert Into tblCalonKetua Values('" & \_

txtKode.Text & "','" & \_

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

txtAlamat.Text & "','" & \_

txtNo.Text & "')", Koneksi)

Cmd.CommandType = CommandType.Text

Cmd.ExecuteNonQuery()

MsgBox("Berhasil menambah data", MsgBoxStyle.Information, "Tambah Data")

Call Tampil\_Data()

bersih()

End Using

Catch ex As Exception

MsgBox(ex.Message())

End Try

btntambah.Text = "Tambah"

End If

End Sub

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

Using Perintah As New OleDbCommand("update tblCalonKetua set Kode='" & \_

txtKode.Text & "',Nama Calon Ketua='" & \_

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

txtAlamat.Text & "',No Telepon='" & \_

txtNo.Text & "' where Kode='" & \_

txtKode.Text & "'", Koneksi)

Perintah.ExecuteNonQuery()

MsgBox("Berhasil Memperbaiki data", MsgBoxStyle.Information, "Perbaikin Data")

Call Tampil\_Data()

End Using

End Sub

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

Try

Using Cmd As New OleDbCommand("Delete From tblCalonKetua where Kode='" & txtNama.Text & "'", Koneksi)

Cmd.CommandType = CommandType.Text

Cmd.ExecuteNonQuery()

MsgBox("Berhasil Menghapus data", MsgBoxStyle.Information, "Hapus Data")

Call Tampil\_Data()

bersih()

End Using

Catch ex As Exception

MsgBox(ex.Message())

End Try

End Sub

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

Call bersih()

Call Tampil\_Data()

Call kode()

End Sub

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

Me.Close()

End Sub

Private Sub lvDataKetua\_DoubleClick(ByVal sender As Object, ByVal e As System.EventArgs) Handles lvDataKetua.DoubleClick

If lvDataKetua.Items.Count > 0 Then

txtKode.Text = lvDataKetua.SelectedItems(0).Text

txtNama.Text = lvDataKetua.SelectedItems(0).SubItems(1).Text

txtAlamat.Text = lvDataKetua.SelectedItems(0).SubItems(2).Text

txtNo.Text = lvDataKetua.SelectedItems(0).SubItems(3).Text

btnUbah.Enabled = True : btnHapus.Enabled = True : btnTambah.Enabled = False

txtKode.Focus()

End If

End Sub

Private Sub lvDataKetua\_KeyDown(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArgs) Handles lvDataKetua.KeyDown

If e.KeyCode = Keys.Enter Then lvDataKetua(Nothing, Nothing)

End Sub

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

Bukadatabase()

Tampil\_Data()

Call kode()

txtKode.Enabled = False

End Sub

End Class

**Form Data Kriteria**

Imports System.Data.OleDb

Public Class frmKriteria

Private Sub Tampil\_Data()

SQL = "SELECT \* FROM tblKriteria order by KodeKriteria asc"

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim c As Integer

lvKriteria.Items.Clear()

While Data.Read

lvKriteria.Items.Add(Data("KodeKriteria"))

lvKriteria.Items(c).SubItems.Add(Data("NamaKriteria"))

lvKriteria.Items(c).SubItems.Add(Data("Bobot"))

c = c + 1

End While

End Using

End Sub

Private Sub bersih()

txtKode.Text = ""

txtNama.Text = ""

txtbobot.Text = ""

txtKode.Focus()

End Sub

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

Bukadatabase()

Tampil\_Data()

End Sub

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

Try

Using Cmd As New OleDbCommand("Delete From tblKriteria where KodeKriteria='" & txtKode.Text & "'", Koneksi)

Cmd.CommandType = CommandType.Text

Cmd.ExecuteNonQuery()

MsgBox("Berhasil Menghapus data", MsgBoxStyle.Information, "Hapus Data")

Call Tampil\_Data()

bersih()

End Using

Catch ex As Exception

MsgBox(ex.Message())

End Try

End Sub

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

Using Perintah As New OleDbCommand("update tblKriteria set KodeKriteria='" & \_

txtKode.Text & "', NamaKriteria='" & \_

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

txtbobot.Text & "' where KodeKriteria='" & \_

txtKode.Text & "'", Koneksi)

Perintah.ExecuteNonQuery()

MsgBox("Berhasil Memperbaiki data", MsgBoxStyle.Information, "Perbaikin Data")

Call Tampil\_Data()

End Using

End Sub

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

Call bersih()

Call Tampil\_Data()

End Sub

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

Me.Close()

End Sub

Private Sub lvKriteria\_DoubleClick(ByVal sender As Object, ByVal e As System.EventArgs) Handles lvKriteria.DoubleClick

txtKode.Text = lvKriteria.SelectedItems(0).Text

txtNama.Text = lvKriteria.SelectedItems(0).SubItems(1).Text.ToString

txtbobot.Text = lvKriteria.SelectedItems(0).SubItems(2).Text.ToString

End Sub

Private Sub lvKriteria\_KeyDown(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyEventArgs) Handles lvKriteria.KeyDown

If e.KeyCode = Keys.Enter Then lvKriteria\_DoubleClick(Nothing, Nothing)

End Sub

End Class

**Form Penilaian**

Imports System.Data.OleDb

Public Class FrmPenilaian

Private Sub Tampil\_Data()

SQL = "SELECT \* FROM tblPenilaian order by Kode asc"

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim c As Integer

LV1.Items.Clear()

While Data.Read

LV1.Items.Add(Data("Kode"))

LV1.Items(c).SubItems.Add(Data("Nama Calon Ketua"))

LV1.Items(c).SubItems.Add(Data("Disiplin"))

LV1.Items(c).SubItems.Add(Data("C1"))

LV1.Items(c).SubItems.Add(Data("Tanggung Jawab"))

LV1.Items(c).SubItems.Add(Data("C2"))

LV1.Items(c).SubItems.Add(Data("Kerjasama Yang Baik"))

LV1.Items(c).SubItems.Add(Data("C3"))

LV1.Items(c).SubItems.Add(Data("Loyalitas"))

LV1.Items(c).SubItems.Add(Data("C4"))

c = c + 1

End While

End Using

End Sub

Sub kode()

Perintah = New OleDbCommand("SELECT \* FROM tblPenilaian WHERE Kode In(SELECT MAX(Kode)FROM tblPenilaian)ORDER BY Kode asc", Koneksi)

Pembaca = Perintah.ExecuteReader

Pembaca.Read()

Dim Urutan As String

Dim Hitung As Long

With Pembaca

If Not .HasRows Then

Urutan = "k001"

Else

Hitung = Microsoft.VisualBasic.Right(Pembaca("Kode"), 3) + 1

Urutan = Microsoft.VisualBasic.Right("000" & Hitung, 3)

End If

txtKode.Text = Urutan

End With

Pembaca.Close()

Urutan = Nothing

Hitung = Nothing

Pembaca = Nothing

End Sub

Sub isikode()

SQL = "SELECT \* FROM tblCalonKetua order by Kode asc "

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim c As Integer

cmbNama.Items.Clear()

While Data.Read

cmbNama.Items.Add(Data("Nama"))

c = c + 1

End While

End Using

End Sub

Sub bersih()

txtKode.Text = ""

cmbNama.Text = "Pilih:"

cmbDisiplin.Text = "Pilih:"

txtC1.Text = ""

cmbTJ.Text = "Pilih:"

txtC2.Text = ""

cmbKYB.Text = "Pilih:"

txtC3.Text = ""

cmbLoyalitas.Text = "Pilih:"

txtC4.Text = ""

txtKode.Focus()

End Sub

Sub nonaktif()

txtC1.Enabled = False

txtC2.Enabled = False

txtC3.Enabled = False

txtC4.Enabled = False

End Sub

Sub isikritria()

'Kriteria

cmbDisiplin.Items.Clear()

cmbLoyalitas.Items.Clear()

cmbDisiplin.Items.Add("Tidak Baik") : cmbLoyalitas.Items.Add("Kurang")

cmbDisiplin.Items.Add("Baik") : cmbLoyalitas.Items.Add("Cukup")

cmbDisiplin.Items.Add("Cukup") : cmbLoyalitas.Items.Add("Tinggi")

cmbDisiplin.Items.Add("Sangat Baik") : cmbLoyalitas.Items.Add("Sangat Tinggi")

' Kriteria

cmbTJ.Items.Clear()

cmbKYB.Items.Clear()

cmbTJ.Items.Add("Sangat Baik") : cmbKYB.Items.Add("Tidak Baik")

cmbTJ.Items.Add("Baik") : cmbKYB.Items.Add("Cukup")

cmbTJ.Items.Add("Tidak Baik") : cmbKYB.Items.Add("Baik")

cmbTJ.Items.Add("Sangat Baik") : cmbKYB.Items.Add("Sangat Baik")

End Sub

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

Bukadatabase()

Call Tampil\_Data()

Call nonaktif()

Call isikode()

Call isikritria()

Call bersih()

Call kode()

txtKode.Enabled = False

End Sub

Private Sub cmbDisiplin\_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles cmbDisiplin.SelectedIndexChanged

If cmbDisiplin.Text = "Tidak Baik" Then

txtC1.Text = 1

ElseIf cmbDisiplin.Text = "Cukup Baik" Then

txtC1.Text = 2

ElseIf cmbDisiplin.Text = "Baik" Then

txtC1.Text = 3

ElseIf cmbDisiplin.Text = "Sangat Baik" Then

txtC1.Text = 4

End If

End Sub

Private Sub cmbTJ\_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles cmbTJ.SelectedIndexChanged

If cmbTJ.Text = "Tidak Baik" Then

txtC2.Text = 1

ElseIf cmbTJ.Text = "Baik" Then

txtC2.Text = 2

ElseIf cmbTJ.Text = "Cukup Baik" Then

txtC2.Text = 3

ElseIf cmbTJ.Text = "Sangat Baik" Then

txtC2.Text = 4

End If

End Sub

Private Sub cmbKYB\_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles cmbKYB.SelectedIndexChanged

If cmbKYB.Text = "Tidak Baik" Then

txtC3.Text = 1

ElseIf cmbKYB.Text = "Cukup" Then

txtC3.Text = 2

ElseIf cmbKYB.Text = "Baik" Then

txtC3.Text = 3

ElseIf cmbKYB.Text = "Sangat Baik" Then

txtC3.Text = 4

End If

End Sub

Private Sub cmbLoyalitas\_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles cmbLoyalitas.SelectedIndexChanged

If cmbLoyalitas.Text = "Kurang" Then

txtC4.Text = 1

ElseIf cmbLoyalitas.Text = "Cukup" Then

txtC4.Text = 2

ElseIf cmbLoyalitas.Text = "Tinggi" Then

txtC4.Text = 3

ElseIf cmbLoyalitas.Text = "Sangat Tinggi" Then

txtC4.Text = 4

End If

End Sub

Private Sub LV1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles LV1.Click

txtKode.Text = LV1.SelectedItems(0).Text

cmbNama.Text = LV1.SelectedItems(0).SubItems(1).Text.ToString

cmbDisiplin.Text = LV1.SelectedItems(0).SubItems(2).Text.ToString

txtC1.Text = LV1.SelectedItems(0).SubItems(3).Text.ToString

cmbTJ.Text = LV1.SelectedItems(0).SubItems(4).Text.ToString

txtC2.Text = LV1.SelectedItems(0).SubItems(5).Text.ToString

cmbKYB.Text = LV1.SelectedItems(0).SubItems(6).Text.ToString

txtC3.Text = LV1.SelectedItems(0).SubItems(7).Text.ToString

cmbLoyalitas.Text = LV1.SelectedItems(0).SubItems(8).Text.ToString

txtC4.Text = LV1.SelectedItems(0).SubItems(9).Text.ToString

End Sub

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

Try

Using Cmd As New OleDbCommand("Delete From tblPenilaian where Kode='" & txtKode.Text & "'", Koneksi)

Cmd.CommandType = CommandType.Text

Cmd.ExecuteNonQuery()

MsgBox("Berhasil Menghapus data", MsgBoxStyle.Information, "Hapus Data")

Tampil\_Data()

bersih()

End Using

Catch ex As Exception

MsgBox(ex.Message())

End Try

End Sub

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

Close()

End Sub

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

If btnTambah.Text = "Tambah" Then

btnTambah.Text = "Simpan"

Else

Try

Using Cmd As New OleDbCommand("Insert Into tblPenilaian Values('" & \_

txtKode.Text & "','" & \_

cmbNama.Text & "','" & \_

cmbDisiplin.Text & "','" & \_

txtC1.Text & "','" & \_

cmbTJ.Text & "','" & \_

txtC2.Text & "','" & \_

cmbKYB.Text & "','" & \_

txtC3.Text & "','" & \_

cmbLoyalitas.Text & "','" & \_

txtC4.Text & "')", Koneksi)

Cmd.CommandType = CommandType.Text

Cmd.ExecuteNonQuery()

MsgBox("Berhasil menambah data", MsgBoxStyle.Information, "Tambah Data")

Tampil\_Data()

bersih()

End Using

Catch ex As Exception

MsgBox(ex.Message())

End Try

btnTambah.Text = "Tambah"

End If

End Sub

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

Call bersih()

Call kode()

End Sub

End Class

**Form Proses**

Imports System.Data.OleDb

Public Class FrmProses

Sub tampildata()

SQL = "SELECT \* FROM tblPenilaian "

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim c As Integer

LV\_DtaAwal.Items.Clear()

While Data.Read

With LV\_DtaAwal

LV\_DtaAwal.Items.Add(Data("Kode"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("Nama Calon Ketua"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("Disiplin"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("C1"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("Tanggung Jawab"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("C2"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("Kerjasama Yang Baik"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("C3"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("Loyalitas"))

LV\_DtaAwal.Items(c).SubItems.Add(Data("C4"))

End With

With LV\_Hasil

.Items.Add(Data("Kode"))

.Items(c).SubItems.Add(Data("Nama Calon Ketua"))

.Items(c).SubItems.Add("")

.Items(c).SubItems.Add("")

End With

c = c + 1

End While

End Using

End Sub

Sub pembersihpembagi()

Dim lst As New ListViewItem

lst = LV\_Pembagi.Items.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

End Sub

Private Sub PembagiC1()

'menghitung jumlah kolom pertama yang dikuadratkan

Dim kuadrat As Integer

For i As Integer = 0 To LV\_Matriks.Items.Count - 1

kuadrat = kuadrat + LV\_Matriks.Items(i).SubItems(0).Text ^ 2

Next

'menghitung akar dari jumlah kuadrat

Dim pembagi As Double

pembagi = Math.Sqrt(kuadrat)

'Label5.Text = FormatNumber(pembagi, 4)

pembersihpembagi()

LV\_Pembagi.Items(0).SubItems(0).Text = FormatNumber(pembagi, 4)

End Sub

Private Sub PembagiC2()

Dim kuadrat As Integer

For i As Integer = 0 To LV\_Matriks.Items.Count - 1

kuadrat = kuadrat + LV\_Matriks.Items(i).SubItems(1).Text ^ 2

Next

Dim pembagi As Double

pembagi = Math.Sqrt(kuadrat)

pembersihpembagi()

LV\_Pembagi.Items(0).SubItems(1).Text = FormatNumber(pembagi, 4)

End Sub

Private Sub PembagiC3()

Dim kuadrat As Integer

For i As Integer = 0 To LV\_Matriks.Items.Count - 1

kuadrat = kuadrat + LV\_Matriks.Items(i).SubItems(2).Text ^ 2

Next

Dim pembagi As Double

pembagi = Math.Sqrt(kuadrat)

pembersihpembagi()

LV\_Pembagi.Items(0).SubItems(2).Text = FormatNumber(pembagi, 4)

End Sub

Private Sub PembagiC4()

Dim kuadrat As Integer

For i As Integer = 0 To LV\_Matriks.Items.Count - 1

kuadrat = kuadrat + LV\_Matriks.Items(i).SubItems(3).Text ^ 2

Next

Dim pembagi As Double

pembagi = Math.Sqrt(kuadrat)

pembersihpembagi()

LV\_Pembagi.Items(0).SubItems(3).Text = FormatNumber(pembagi, 4)

End Sub

Sub tampilmatrixkeputusanX()

SQL = "SELECT \* FROM tblPenilaian"

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim c As Integer

LV\_Matriks.Items.Clear()

While Data.Read

LV\_Matriks.Items.Add(Data("C1"))

LV\_Matriks.Items(c).SubItems.Add(Data("C2"))

LV\_Matriks.Items(c).SubItems.Add(Data("C3"))

LV\_Matriks.Items(c).SubItems.Add(Data("C4"))

c = c + 1

End While

End Using

End Sub

Sub tampilbobotW()

Dim lst As New ListViewItem

lst = LV\_BobotW.Items.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

End Sub

Sub tampilbobot()

SQL = "SELECT \* FROM tblKriteria"

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim c As Integer

LV\_BobotW.Items.Clear()

tampilbobotW()

While Data.Read

LV\_BobotW.Items(0).SubItems(c).Text = (Data("Bobot"))

c = c + 1

End While

End Using

End Sub

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

Bukadatabase()

tampilmatrixkeputusanX()

tampildata()

tampilbobotW()

tampilbobot()

PembagiC1()

PembagiC2()

PembagiC3()

PembagiC4()

pembersihpembagi()

End Sub

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

For i = 0 To LV\_Matriks.Items.Count - 1

' LV\_Normalisasi.Items.Clear()

Dim lst As New ListViewItem

lst = LV\_Normalisasi.Items.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

lst.SubItems.Add("")

' mencari matrix ternormalisasi(R)

LV\_Normalisasi.Items(i).SubItems(0).Text = FormatNumber((LV\_Matriks.Items(i).SubItems(0).Text.ToString / LV\_Pembagi.Items(0).SubItems(0).Text.ToString), 4)

LV\_Normalisasi.Items(i).SubItems(1).Text = FormatNumber((LV\_Matriks.Items(i).SubItems(1).Text.ToString / LV\_Pembagi.Items(0).SubItems(1).Text.ToString), 4)

LV\_Normalisasi.Items(i).SubItems(2).Text = FormatNumber((LV\_Matriks.Items(i).SubItems(2).Text.ToString / LV\_Pembagi.Items(0).SubItems(2).Text.ToString), 4)

LV\_Normalisasi.Items(i).SubItems(3).Text = FormatNumber((LV\_Matriks.Items(i).SubItems(3).Text.ToString / LV\_Pembagi.Items(0).SubItems(3).Text.ToString), 4)

'perhitungan terakhir

Dim hasil As Single

hasil = ((LV\_Normalisasi.Items(i).SubItems(0).Text \* LV\_BobotW.Items(0).SubItems(0).Text) + \_

(LV\_Normalisasi.Items(i).SubItems(1).Text \* LV\_BobotW.Items(0).SubItems(1).Text) + \_

(LV\_Normalisasi.Items(i).SubItems(2).Text \* LV\_BobotW.Items(0).SubItems(2).Text) + \_

(LV\_Normalisasi.Items(i).SubItems(3).Text \* LV\_BobotW.Items(0).SubItems(3).Text))

LV\_Hasil.Items(i).SubItems(2).Text = FormatNumber(hasil, 4)

'If hasil >= 0.3 Then

' LV\_Hasil.Items(i).SubItems(3).Text = "Di Terima"

'Else

' LV\_Hasil.Items(i).SubItems(3).Text = "Di Tolak"

'End If

Next

'Simpan

Using Perintah As New OleDbCommand("Delete \* From tblPerhitungan", Koneksi)

Perintah.ExecuteNonQuery()

End Using

For i = 0 To LV\_Hasil.Items.Count - 1

Using Perintah As New OleDbCommand("Insert Into tblperhitungan Values('" & \_

LV\_Hasil.Items(i).SubItems(0).Text & "','" & \_

LV\_Hasil.Items(i).SubItems(1).Text & "','" & \_

LV\_Hasil.Items(i).SubItems(2).Text & "')", Koneksi)

Perintah.ExecuteNonQuery()

End Using

Next

'tampil

SQL = "SELECT \* FROM tblPerhitungan "

Perintah = New OleDbCommand(SQL, Koneksi)

Using Data As OleDbDataReader = Perintah.ExecuteReader

Dim x As Integer

LV\_Hasil.Items.Clear()

While Data.Read

LV\_Hasil.Items.Add(Data("Kode"))

LV\_Hasil.Items(x).SubItems.Add(Data("Nama Calon Ketua"))

LV\_Hasil.Items(x).SubItems.Add(Data("Hasil"))

x = x + 1

End While

End Using

'Simpankembali

Using Perintah As New OleDbCommand("Delete \* From tblPerhitungan", Koneksi)

Perintah.ExecuteNonQuery()

End Using

For z = 0 To LV\_Hasil.Items.Count - 1

Using Perintah As New OleDbCommand("Insert Into tblPerhitungan Values('" & \_

LV\_Hasil.Items(z).SubItems(0).Text & "','" & \_

LV\_Hasil.Items(z).SubItems(1).Text & "','" & \_

LV\_Hasil.Items(z).SubItems(2).Text & "')", Koneksi)

Perintah.ExecuteNonQuery()

End Using

Next

MsgBox("Data Berhasil diproses", MsgBoxStyle.Information, "Informasi")

End Sub

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

Me.Close()

End Sub

End Class

**Form Laporan**

Public Class FrmLaporan

Private Sub CrystalReportViewer1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CrystalReportViewer1.Load

Me.Text = "FORM LAPORAN KEPUTUSAN"

Try

Dim objReport As New CrystalDecisions.CrystalReports.Engine.ReportDocument

Dim ConInfo As New CrystalDecisions.Shared.TableLogOnInfo

Dim strAlamatReport As String = Application.StartupPath & "\LaporanLSM.rpt"

objReport.Load(strAlamatReport)

With ConInfo.ConnectionInfo

.DatabaseName = Application.StartupPath & "\DbRinaldi1.mdb"

.IntegratedSecurity = True

End With

For intCounter As Integer = 0 To objReport.Database.Tables.Count - 1

objReport.Database.Tables(intCounter).ApplyLogOnInfo(ConInfo)

Next

objReport.RecordSelectionFormula = ""

CrystalReportViewer1.ReportSource = objReport

CrystalReportViewer1.RefreshReport()

CrystalReportViewer1.Show()

Catch ex As Exception

MsgBox(ex.Message)

End Try

End Sub

End Class