**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