

LAMPIRAN SOURCE CODE

SOURCE CODE PERHITUNGAN TOPSIS

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Private Sub cmdCetak_Click()  
CR.SelectionFormula = "Totext({tabel_transaksi.transaksi_id})='" &  
transaksiID.Caption & "'" &  
CR.ReportFileName = App.Path & "\laporan\lap_data_topsis.rpt"  
CR.WindowState = crptMaximized  
CR.RetrieveDataFiles  
CR.Action = 1  
End Sub  
  
Private Sub cmdHitung_Click()  
LV2.ListItems.Clear  
LV3.ListItems.Clear  
If txtBobot1 = "" Or txtBobot2 = "" Or txtBobot3 = "" Or txtBobot4  
= "" Or txtBobot5 = "" Then  
    MsgBox "Bobot Kriteria masih kosong"  
Else  
    akar1 = 0: akar2 = 0: akar3 = 0: akar4 = 0: akar5 = 0  
    For x = 1 To LV.ListItems.Count  
        kuadrat1 = LV.ListItems.Item(x).SubItems(3) ^ 2  
        'AKAR KUADRAT  
        akar1 = akar1 + kuadrat1  
        kuadrat2 = LV.ListItems.Item(x).SubItems(4) ^ 2  
        akar2 = akar2 + kuadrat2  
        kuadrat3 = LV.ListItems.Item(x).SubItems(5) ^ 2  
        akar3 = akar3 + kuadrat3  
        kuadrat4 = LV.ListItems.Item(x).SubItems(6) ^ 2  
        akar4 = akar4 + kuadrat4  
        kuadrat5 = LV.ListItems.Item(x).SubItems(7) ^ 2  
        akar5 = akar5 + kuadrat5  
    Next x  
  
    For y = 1 To LV.ListItems.Count  
        kuadrat1 = akar1 ^ 0.5  
        'CARI AKARPANGKAT 2  
        normalisasi1 = LV.ListItems.Item(y).SubItems(3) / kuadrat1  
        'NORMALISASI  
        matrikY1 = normalisasi1 * txtBobot1  
        'MATRIK Y  
        kuadrat2 = akar2 ^ 0.5  
        normalisasi2 = LV.ListItems.Item(y).SubItems(4) / kuadrat2  
        matrikY2 = normalisasi2 * txtBobot2  
        kuadrat3 = akar3 ^ 0.5  
        normalisasi3 = LV.ListItems.Item(y).SubItems(5) / kuadrat3  
        matrikY3 = normalisasi3 * txtBobot3  
        kuadrat4 = akar4 ^ 0.5  
        normalisasi4 = LV.ListItems.Item(y).SubItems(6) / kuadrat4  
        matrikY4 = normalisasi4 * txtBobot4  
        kuadrat5 = akar5 ^ 0.5  
        normalisasi5 = LV.ListItems.Item(y).SubItems(7) / kuadrat5  
        matrikY5 = normalisasi5 * txtBobot5
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Set lis = LV2.ListItems.Add(, , 0)
lis.SubItems(1) = LV.ListItems.Item(y).SubItems(1)
lis.SubItems(2) = LV.ListItems.Item(y).SubItems(2)
lis.SubItems(3) = Round(matrikY1, 3)
lis.SubItems(4) = Round(matrikY2, 3)
lis.SubItems(5) = Round(matrikY3, 3)
lis.SubItems(6) = Round(matrikY4, 3)
lis.SubItems(7) = Round(matrikY5, 3)
Next y

'SOLUSI IDEAL POSITIF
angka1 = LV2.ListItems.Item(1).SubItems(3)
angka2 = LV2.ListItems.Item(1).SubItems(4)
angka3 = LV2.ListItems.Item(1).SubItems(5)
angka4 = LV2.ListItems.Item(1).SubItems(6)
angka5 = LV2.ListItems.Item(1).SubItems(7)
For a = 2 To LV2.ListItems.Count
    If LV2.ListItems.Item(a).SubItems(3) > angka1 Then angka1
= LV2.ListItems.Item(a).SubItems(3)
    If LV2.ListItems.Item(a).SubItems(4) > angka2 Then angka2
= LV2.ListItems.Item(a).SubItems(4)
    If LV2.ListItems.Item(a).SubItems(5) > angka3 Then angka3
= LV2.ListItems.Item(a).SubItems(5)
    If LV2.ListItems.Item(a).SubItems(6) > angka4 Then angka4
= LV2.ListItems.Item(a).SubItems(6)
    If LV2.ListItems.Item(a).SubItems(7) > angka5 Then angka5
= LV2.ListItems.Item(a).SubItems(7)
Next a
Text1 = angka1: Text2 = angka2: Text3 = angka3: Text4 =
angka4: Text5 = angka5

'SOLUSI IDEAL NEGATIF
angka6 = LV2.ListItems.Item(1).SubItems(3)
angka7 = LV2.ListItems.Item(1).SubItems(4)
angka8 = LV2.ListItems.Item(1).SubItems(5)
angka9 = LV2.ListItems.Item(1).SubItems(6)
angka10 = LV2.ListItems.Item(1).SubItems(7)
For B = 2 To LV2.ListItems.Count
    If LV2.ListItems.Item(B).SubItems(3) < angka6 Then angka6
= LV2.ListItems.Item(B).SubItems(3)
    If LV2.ListItems.Item(B).SubItems(4) < angka7 Then angka7
= LV2.ListItems.Item(B).SubItems(4)
    If LV2.ListItems.Item(B).SubItems(5) < angka8 Then angka8
= LV2.ListItems.Item(B).SubItems(5)
    If LV2.ListItems.Item(B).SubItems(6) < angka9 Then angka9
= LV2.ListItems.Item(B).SubItems(6)
    If LV2.ListItems.Item(B).SubItems(7) < angka10 Then
angka10 = LV2.ListItems.Item(B).SubItems(7)
Next B
Text6 = angka6: Text7 = angka7: Text8 = angka8: Text9 =
angka9: Text10 = angka10

'JARAK SOLUSI IDEAL POSITIF & NEGATIF & NILAI KRITERIA GLOBAL
For c = 1 To LV2.ListItems.Count
    Dplus = (((LV2.ListItems.Item(c).SubItems(3) - Text1) ^ 2)
+ ((LV2.ListItems.Item(c).SubItems(4) - Text2) ^ 2) +

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((LV2.ListItems.Item(c).SubItems(5) - Text3) ^ 2) +
((LV2.ListItems.Item(c).SubItems(6) - Text4) ^ 2) +
((LV2.ListItems.Item(c).SubItems(7) - Text5) ^ 2)) ^ 0.5
    Dminus = (((LV2.ListItems.Item(c).SubItems(3) - Text6) ^
2) + ((LV2.ListItems.Item(c).SubItems(4) - Text7) ^ 2) +
((LV2.ListItems.Item(c).SubItems(5) - Text8) ^ 2) +
((LV2.ListItems.Item(c).SubItems(6) - Text9) ^ 2) +
((LV2.ListItems.Item(c).SubItems(7) - Text10) ^ 2)) ^ 0.5
    Nglobal = Dminus / (Dminus + Dplus)
    Set lis = LV3.ListItems.Add(, , 0)
    lis.SubItems(1) = LV.ListItems.Item(c).SubItems(1)
    lis.SubItems(2) = LV.ListItems.Item(c).SubItems(2)
    lis.SubItems(3) = Round(Nglobal, 3)
Next c
End If

HitungNomor2
HitungNomor3
cmdCetak.Enabled = True
cmdSimpan.Enabled = True
End Sub

Private Sub cmdKembali_Click()
Me.Visible = False
frmNasabah.Visible = True
End Sub

Private Sub cmdLanjut_Click()
If LV2.ListItems.Count = 0 Then
    MsgBox "Data Belum Ternormalisasi"
Else
    Me.Visible = False
    frmNormalisasi2.Show
End If
End Sub

Private Sub cmdSimpan_Click()
For x = 1 To LV3.ListItems.Count
    BukaDB
    UBAH = "UPDATE tabel_transaksi SET transaksi_nilai = '" &
Replace(LV3.ListItems.Item(x).SubItems(3), ",", ".") & "' WHERE
transaksi_id = '" & transaksiID.Caption & "' AND nasabah_id = '" &
LV3.ListItems.Item(x).SubItems(1) & "'"
    Conn.Execute UBAH
    Conn.Close
Next x
End Sub

Private Sub cmdTutup_Click()
If MsgBox("Apakah data sudah disimpan?", vbQuestion + vbYesNo +
vbDefaultButton2) = vbYes Then
    Unload Me
    Unload frmNasabah
End If
End Sub

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Private Sub Form_Load()
    BukaDB
    rs_hapus.Open "DELETE FROM tabel_temp", Conn

    cmdTutup.Enabled = True
    cmdTutup.Caption = "TUTUP"
    cmdTutup.Picture = LoadPicture(App.Path & "\icon 32x32\close.ico")
    cmdKembali.Enabled = True
    cmdKembali.Caption = "KEMBALI"
    cmdKembali.Picture = LoadPicture(App.Path & "\icon 32x32\back.ico")
    cmdLanjut.Enabled = False
    cmdLanjut.Caption = "LANJUT"
    cmdLanjut.Picture = LoadPicture(App.Path & "\icon 32x32\next.ico")
    cmdHitung.Enabled = True
    cmdHitung.Caption = "HITUNG TOPSIS"
    cmdHitung.Picture = LoadPicture(App.Path & "\icon 32x32\calc.ico")
    cmdCetak.Enabled = False
    cmdCetak.Caption = "CETAK"
    cmdCetak.Picture = LoadPicture(App.Path & "\icon 32x32\printer.ico")
    cmdSimpan.Enabled = False
    cmdSimpan.Caption = "SIMPAN"
    cmdSimpan.Picture = LoadPicture(App.Path & "\icon 32x32\save.ico")

    DaftarNasabah
    HitungNomor1
End Sub

Private Sub DaftarNasabah()
    LV.ListItems.Clear
    BukaDB
    rs_nasabah.Open "SELECT * FROM tabel_nasabah, tabel_kriteria,
tabel_transaksi WHERE transaksi_id In(Select Max(transaksi_id)From
tabel_transaksi) AND tabel_transaksi.nasabah_id =
tabel_nasabah.nasabah_id AND tabel_transaksi.nasabah_id =
tabel_kriteria.nasabah_id ORDER BY transaksi_id DESC", Conn
    With rs_nasabah
        transaksiID.Caption = !transaksi_id
        Do Until .EOF
            Set lis = LV.ListItems.Add(, , 0)
            lis.SubItems(1) = !nasabah_id
            lis.SubItems(2) = !nasabah_nama
            lis.SubItems(3) = !karakter
            lis.SubItems(4) = !tangg_kredit
            lis.SubItems(5) = !usia_usaha
            lis.SubItems(6) = !nilai_jaminan
            lis.SubItems(7) = !omzet
            .MoveNext
        Loop
    End With
End Sub

Private Sub HitungNomor1()
    Dim i As Integer

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If LV.ListItems.Count > 0 Then
    For i = 1 To LV.ListItems.Count
        LV.ListItems(i).Text = CStr(i)
    Next
End If
End Sub

Private Sub HitungNomor2()
Dim i As Integer

If LV2.ListItems.Count > 0 Then
    For i = 1 To LV2.ListItems.Count
        LV2.ListItems(i).Text = CStr(i)
    Next
End If
End Sub

Private Sub HitungNomor3()
Dim i As Integer

If LV3.ListItems.Count > 0 Then
    For i = 1 To LV3.ListItems.Count
        LV3.ListItems(i).Text = CStr(i)
    Next
End If
End Sub
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