**Dokumentasi Quiz & Tugas**

**PEMROGRAMAN DESKTOP**

# NIM-NAMA

|  |  |
| --- | --- |
| NIM | 124111032 |
| NAMA MAHASISWA | Dzikri Ibrahim Wahhab |
| FOTO |  |
|  |

# MINGGU 1 – PENGANTAR PEMROGRAMAN DESKTOP

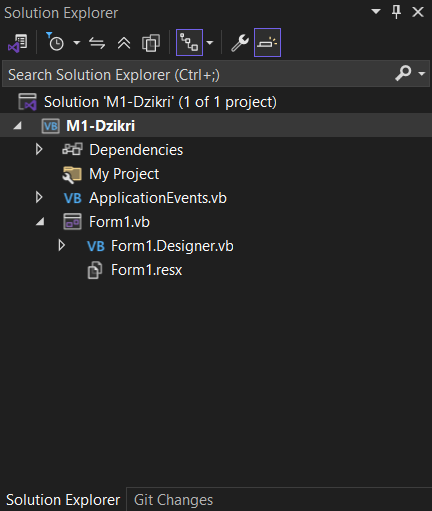
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

NO ABSEN : 12

KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM



C. KODE PROGRAM

Private Sub btnPesan\_Click(sender As Object, e As EventArgs) Handles btnPesan.Click

MsgBox("Hello World...!" & vbCrLf &

"My Name is Dzikri Ibrahim...", MsgBoxStyle.Information,

"Message")

End Sub

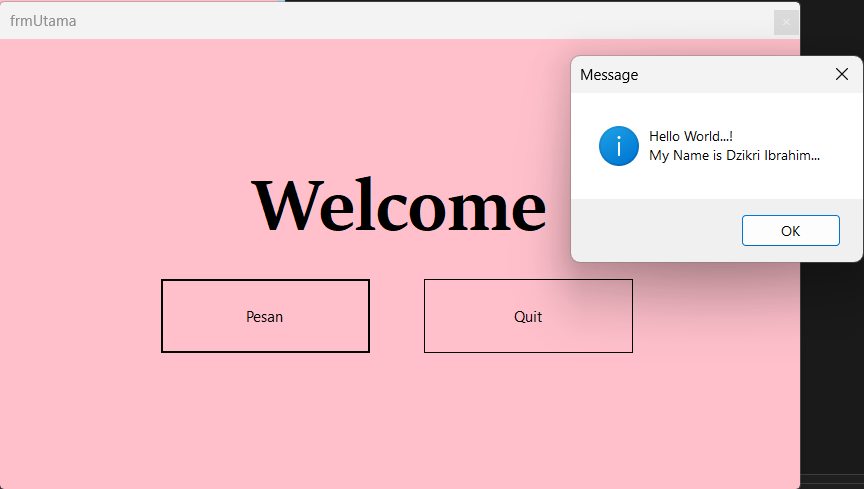
Private Sub BtnQuit\_Click(sender As Object, e As EventArgs) Handles BtnQuit.Click

Me.Close()

End Sub

End Class

D. RUN PROGRAM



# MINGGU 2 – LOGIKA PERBANDINGAN (IF..ELSE)

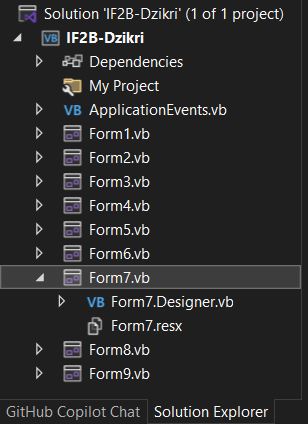
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

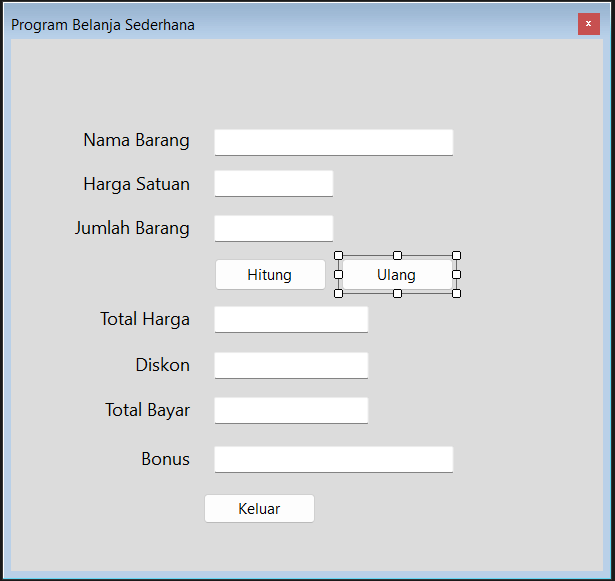
NO ABSEN : 12

KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM



C. KODE PROGRAM

Public Class FrmBelanja

Private Sub BtnUlang\_Click(sender As Object, e As EventArgs) Handles BtnUlang.Click

'Membersihkan isi Textbox

BoxNama.Text = ""

BoxHarga.Text = ""

BoxJumlah.Text = ""

BoxTotal.Text = ""

BoxDiskon.Text = ""

BoxBayar.Text = ""

BoxBonus.Text = ""

BoxNama.Focus()

End Sub

Private Sub BtnHitung\_Click(sender As Object, e As EventArgs) Handles BtnHitung.Click

'Deklarasi Variable

Dim Harga, Jumlah As Integer

Dim Total, Diskon, Bayar As Double

Dim Bonus As String

'Deklarasi Input Harga dan Jumlah

Harga = BoxHarga.Text

Jumlah = BoxJumlah.Text

'Perhitungan Total Harga

Total = Harga \* Jumlah

'Penentuan Diskon dan Bonus

If Total >= 500000 Then

Diskon = 0.2 \* Total

Bonus = "Tas Pinggang"

ElseIf Total >= 200000 Then

Diskon = 0.15 \* Total

Bonus = "Payung"

ElseIf Total >= 100000 Then

Diskon = 0.1 \* Total

Bonus = "Kaos"

ElseIf Total >= 50000 Then

Diskon = 0.05 \* Total

Bonus = "Cangkir"

Else

Diskon = 0

Bonus = "Tidak ada"

End If

'Perhitungan Total Bayar

Bayar = Total - Diskon

'Deklarasi Keluaran Total Harga, Diskon, Total Bayar, dan Bonus

BoxTotal.Text = Total

BoxDiskon.Text = Diskon

BoxBayar.Text = Bayar

BoxBonus.Text = Bonus

End Sub

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

End

End Sub

Private Sub BoxNama\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles BoxNama.KeyPress

If ((e.KeyChar >= "0" And e.KeyChar <= "9")) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

BoxHarga.Focus()

End If

End Sub

Private Sub BoxHarga\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles BoxHarga.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

BoxJumlah.Focus()

End If

End Sub

Private Sub BoxJumlah\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles BoxJumlah.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

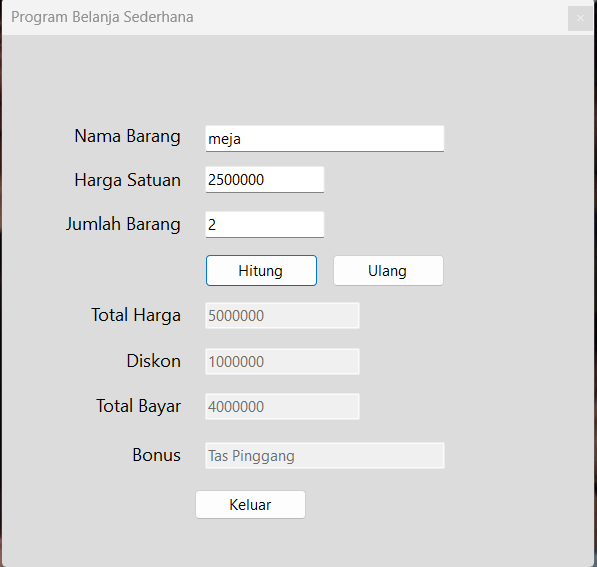
BtnHitung.Focus()

End If

End Sub

End Class

D. RUN PROGRAM



# MINGGU 3 – LOGIKA PERBANDINGAN (SELECT…CASE)

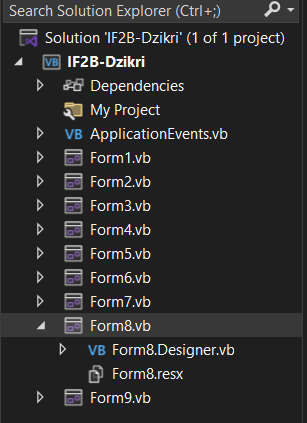
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

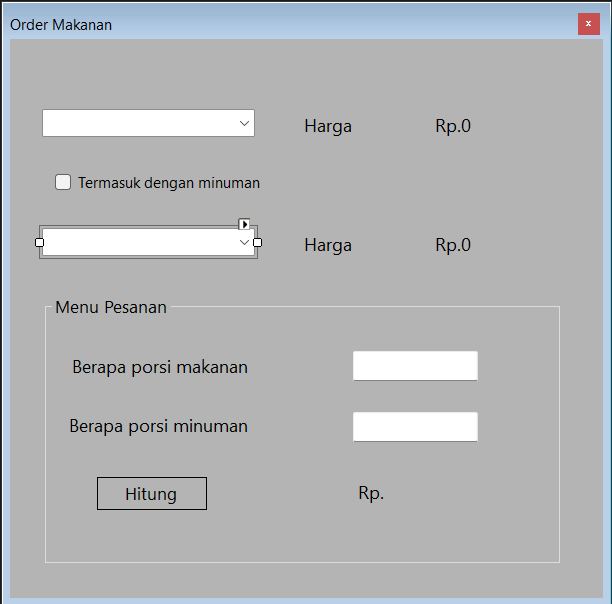
NO ABSEN : 12

KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM



C. KODE PROGRAM

Public Class FrmOrderMkn

Public hrgmakanan, hrgminuman As Integer

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

ComboBox1.DropDownStyle = ComboBoxStyle.DropDownList

ComboBox2.DropDownStyle = ComboBoxStyle.DropDownList

ComboBox1.Items.Add("Nasi Uduk")

ComboBox1.Items.Add("Bakso")

ComboBox1.Items.Add("Mie Ayam")

ComboBox2.Items.Add("Es Jeruk")

ComboBox2.Items.Add("Jus Alpukat")

ComboBox2.Items.Add("Teh Manis")

End Sub

Private Sub ComboBox1\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ComboBox1.SelectedIndexChanged

Select Case ComboBox1.Text

Case "Nasi Uduk"

Label2.Text = "Rp.9000"

hrgmakanan = 9000

Case "Bakso"

Label2.Text = "Rp.10000"

hrgmakanan = 10000

Case "Mie Ayam"

Label2.Text = "Rp.7000"

hrgmakanan = 7000

End Select

End Sub

Private Sub ComboBox2\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ComboBox2.SelectedIndexChanged

Select Case ComboBox2.Text

Case "Es Jeruk"

Label4.Text = "Rp.5000"

hrgminuman = 5000

Case "Jus Alpukat"

Label4.Text = "Rp.7000"

hrgminuman = 7000

Case "Teh Manis"

Label4.Text = "Rp.4000"

hrgminuman = 4000

End Select

End Sub

Public Sub New()

' This call is required by the designer.

InitializeComponent()

ComboBox2.Visible = False

Label3.Visible = False

Label4.Visible = False

Label7.Visible = False

TextBox2.Visible = False

' Add any initialization after the InitializeComponent() call.

End Sub

Private Sub CheckBox1\_CheckedChanged(sender As Object, e As EventArgs) Handles CheckBox1.CheckedChanged

If CheckBox1.Checked = False Then

ComboBox2.Visible = False

TextBox2.Visible = False

Label7.Visible = False

End If

If CheckBox1.Enabled = True Then

ComboBox2.Visible = True

Label3.Visible = True

Label4.Visible = True

Label7.Visible = True

TextBox2.Visible = True

End If

End Sub

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

Dim porsimkn, porsimnm, jumlah As Integer

porsimkn = Val(TextBox1.Text)

porsimnm = Val(TextBox2.Text)

jumlah = (hrgmakanan \* porsimkn) + (hrgminuman \* porsimnm)

Label8.Text = "Rp. " & jumlah.ToString

End Sub

Private Sub TextBox1\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextBox1.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

TextBox2.Focus()

End If

End Sub

Private Sub TextBox2\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextBox2.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

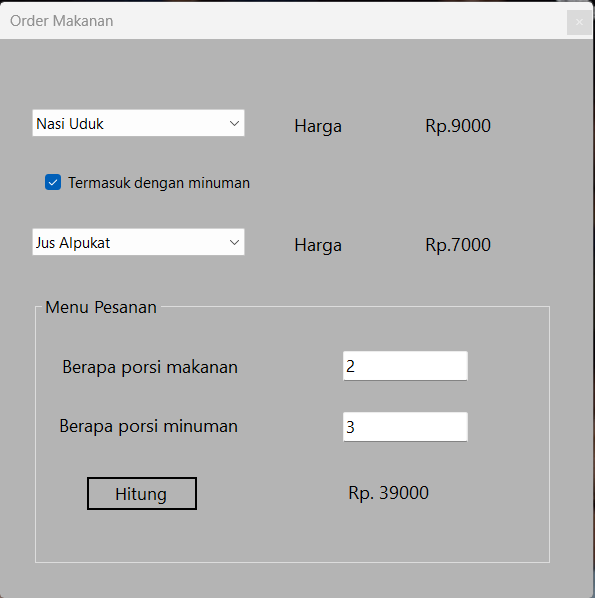
Button1.Focus()

End If

End Sub

End Class

D. RUN PROGRAM



# MINGGU 4 – PRAKTIKUM

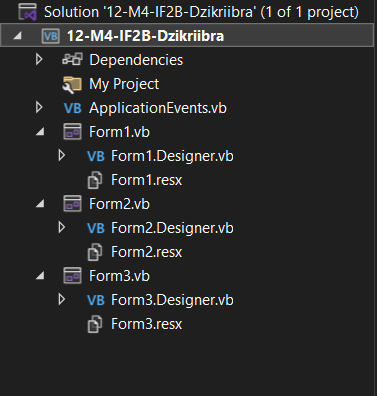
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

NO ABSEN : 12

KELAS : IF1B

1. STRUKTUR PROJECT



1. DESAIN FORM



1. KODE PROGRAM

Public Class FrmDataPegawai

Dim enable As Boolean = False

Dim GajiPokokManager, GajiPokokStaff, GajiPokokOB As Double

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

groupKalkulasiGaji.Enabled = False

TextNIP.Enabled = False

TextNama.Enabled = False

TextJabatan.Enabled = False

TextTglLahir.Enabled = False

TextTmptLahir.Enabled = False

btnHitung.Enabled = False

btnHapus.Enabled = False

TextJabatan.DropDownStyle = ComboBoxStyle.DropDownList

TextBulan.DropDownStyle = ComboBoxStyle.DropDownList

TextJabatan.Items.Add("Manager")

TextJabatan.Items.Add("Staff")

TextJabatan.Items.Add("OB")

TextBulan.Items.Add("Januari")

TextBulan.Items.Add("Februari")

TextBulan.Items.Add("Maret")

TextBulan.Items.Add("April")

TextBulan.Items.Add("Mei")

TextBulan.Items.Add("Juni")

TextBulan.Items.Add("Juli")

TextBulan.Items.Add("Agustus")

TextBulan.Items.Add("September")

TextBulan.Items.Add("Oktober")

TextBulan.Items.Add("November")

TextBulan.Items.Add("Desember")

End Sub

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

If enable = False Then

enable = True

btnTambah.Text = "BATAL"

btnTambah.BackColor = Color.Red

btnHapus.Enabled = True

btnHitung.Enabled = True

TextNIP.Enabled = True

TextNama.Enabled = True

TextJabatan.Enabled = True

TextTglLahir.Enabled = True

TextTmptLahir.Enabled = True

TextNIP.Focus()

ElseIf enable = True Then

enable = False

groupKalkulasiGaji.Enabled = False

btnTambah.Text = "TAMBAH DATA"

btnTambah.BackColor = Color.SkyBlue

btnHitung.Enabled = False

btnHapus.Enabled = False

TextNIP.Enabled = False

TextNama.Enabled = False

TextJabatan.Enabled = False

TextTglLahir.Enabled = False

TextTmptLahir.Enabled = False

TextNIP.Text = ""

TextNama.Text = ""

TextJabatan.Text = ""

TextTmptLahir.Text = ""

TextGajiPokok.Text = 0

TextBulan.Text = 0

TextHariKerja.Text = 0

TextSakit.Text = 0

TextTnpaKet.Text = 0

TextIzin.Text = 0

TextTunjangan.Text = 0

TextPotongan.Text = 0

TextPajak.Text = 0

TextGajiBersih.Text = 0

End If

End Sub

Private Sub btnHitung\_Click(sender As Object, e As EventArgs) Handles btnHitung.Click

Dim Tunjangan, Ketidakhadiran, GajiBersih As Double

Dim HariKerja As Integer

GajiPokokManager = 30000000

GajiPokokStaff = 20000000

GajiPokokOB = 10000000

If TextNIP.Text = "" Or TextNama.Text = "" Or TextTmptLahir.Text = "" Or TextJabatan.Text = "" Then

MsgBox(“SILAHKAN DIISI DENGAN BENAR!!”)

Exit Sub

End If

Select Case TextJabatan.SelectedItem

Case "Manager"

TextGajiPokok.Text = GajiPokokManager

TextPajak.Text = 0.0975 \* GajiPokokManager

Case "Staff"

TextGajiPokok.Text = GajiPokokStaff

TextPajak.Text = 0.075 \* GajiPokokStaff

Case "OB"

TextGajiPokok.Text = GajiPokokOB

TextPajak.Text = 0.05 \* GajiPokokOB

End Select

Select Case TextBulan.SelectedItem

Case "Januari", "Maret", "Mei", "Juli", "Agustus", "Oktober", "Desember"

HariKerja = 27

Case "April", "Juni", "September", "November"

HariKerja = 26

Case "Februari"

HariKerja = 24

End Select

TextHariKerja.Text = HariKerja & " hari"

groupKalkulasiGaji.Enabled = True

Ketidakhadiran = (Val(TextSakit.Text) \* 20000) + (Val(TextIzin.Text) \* 30000) + (Val(TextTnpaKet.Text) \* 50000)

Tunjangan = (HariKerja \* 50000) - Ketidakhadiran

GajiBersih = Val(TextGajiPokok.Text) + Tunjangan - Val(TextPotongan.Text) - Val(TextPajak.Text)

TextTunjangan.Text = Tunjangan

TextGajiBersih.Text = GajiBersih

End Sub

Private Sub TextJabatan\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles TextJabatan.SelectedIndexChanged

Select Case TextJabatan.Text

Case "Manager"

TextGajiPokok.Text = "Rp.30.000.000"

GajiPokokManager = 30000000

Case "Staff"

TextGajiPokok.Text = "Rp.20.000.000"

GajiPokokStaff = 20000000

Case "OB"

TextGajiPokok.Text = "Rp.10.000.000"

GajiPokokOB = 10000000

End Select

End Sub

Private Sub TextBulan\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles TextBulan.SelectedIndexChanged

Select Case TextBulan.Text

Case "Januari", "Maret", "Mei", "Juli", "Agustus", "Oktober", "Desember"

TextHariKerja.Text = "27 hari"

Case "April", "Juni", "September", "November"

TextHariKerja.Text = "26 hari"

Case "Februari"

TextHariKerja.Text = "24 hari"

End Select

End Sub

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

groupKalkulasiGaji.Enabled = False

TextNIP.Text = ""

TextNama.Text = ""

TextTmptLahir.Text = ""

TextJabatan.Text = ""

TextTglLahir.Text = ""

TextGajiPokok.Text = 0

TextBulan.Text = 0

TextHariKerja.Text = 0

TextSakit.Text = 0

TextTnpaKet.Text = 0

TextIzin.Text = 0

TextTunjangan.Text = 0

TextPotongan.Text = 0

TextPajak.Text = 0

TextGajiBersih.Text = 0

TextNIP.Focus()

End Sub

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

End

End Sub

Private Sub TextNIP\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextNIP.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

TextNama.Focus()

End If

End Sub

Private Sub TextNama\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextNama.KeyPress

If ((e.KeyChar >= "0" And e.KeyChar <= "9")) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

TextTmptLahir.Focus()

End If

End Sub

Private Sub TextTmptLahir\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextTmptLahir.KeyPress

If ((e.KeyChar >= "0" And e.KeyChar <= "9")) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

btnHitung.Focus()

End If

End Sub

Private Sub TextSakit\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextSakit.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

TextTnpaKet.Focus()

End If

End Sub

Private Sub TextTnpaKet\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextTnpaKet.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

TextIzin.Focus()

End If

End Sub

Private Sub TextIzin\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextIzin.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

TextPotongan.Focus()

End If

End Sub

Private Sub TextPotongan\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextPotongan.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

btnHitung.Focus()

End If

End Sub

End Class

1. RUN PROGRAM



# MINGGU 5 – STUDY CASE

NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

NO ABSEN : 12

KELAS : IF1B

\*MENGUMPULKAN TUGAS DARI AWAL SAMPAI SEBELUM PERTEMUAN KE-5

# MINGGU 6 – LOGIKA PERULANGAN (FOR…NEXT)

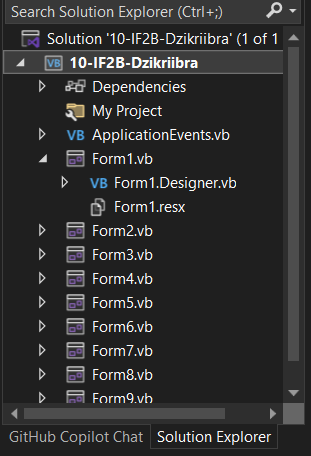
NAMA : Dzikri Ibrahim Wahhab

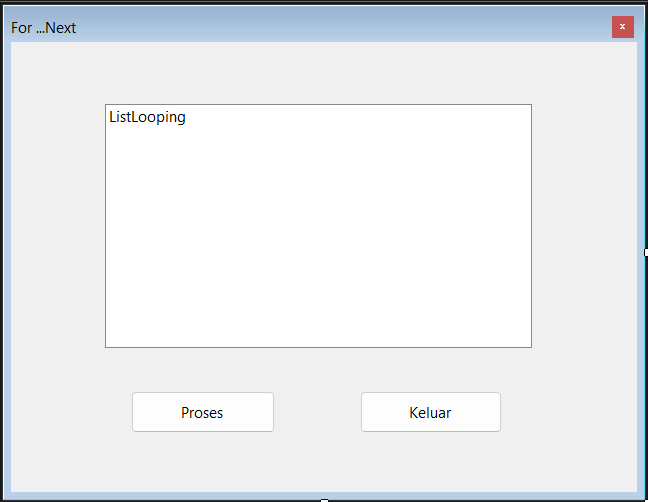
NPM : 124111032

NO ABSEN : 12

KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM

C. KODE PROGRAM

Public Class Form1

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

Dim pesan As String

pesan = MsgBox("Apakah Anda yakin ingin keluar?", vbYesNo, "Konfirmasi")

If pesan = vbYes Then

Close()

End If

End Sub

Private Sub BtnProses\_Click(sender As Object, e As EventArgs) Handles BtnProses.Click

Dim i As Integer

For i = 1 To 15

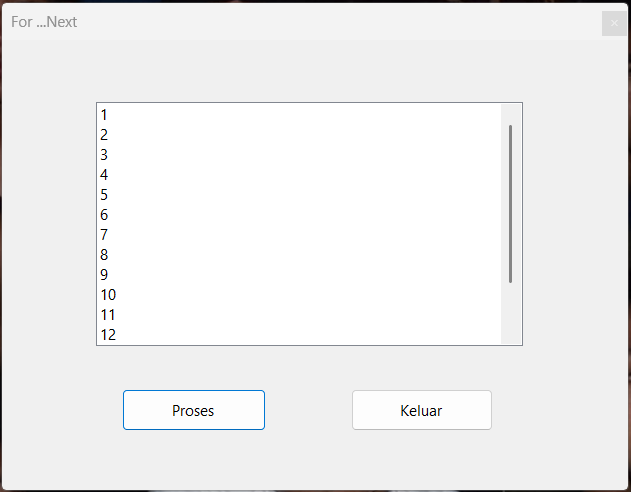
ListLooping.Items.Add(i)

Next i

End Sub

End Class

D. RUN PROGRAM



# MINGGU 7 – QUIZ

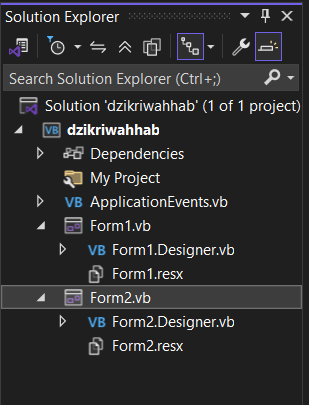
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

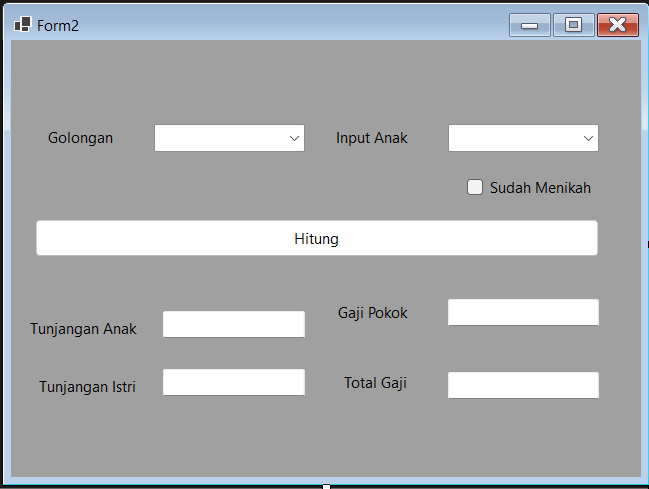
NO ABSEN : 12

KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM



C. KODE PROGRAM

**FORM1**

Public Class Form1

Private Sub BtnHitung\_Click(sender As Object, e As EventArgs) Handles BtnHitung.Click

Dim NilaiAkhir, Tugas, Kuis, UTS, UAS As Double

Dim Grade, Ket As String

Tugas = Val(BoxTugas.Text)

Kuis = Val(BoxKuis.Text)

UTS = Val(BoxUTS.Text)

UAS = Val(BoxUAS.Text)

NilaiAkhir = 0.1 \* Tugas + 0.1 \* Kuis + 0.3 \* UTS + 0.5 \* UAS

BoxNilaiAkhir.Text = NilaiAkhir

If NilaiAkhir >= 80 And NilaiAkhir <= 100 Then

Grade = "A"

Ket = "Lulus"

ElseIf NilaiAkhir >= 65 And NilaiAkhir < 80 Then

Grade = "B"

Ket = "Lulus"

ElseIf NilaiAkhir >= 50 And NilaiAkhir < 65 Then

Grade = "C"

Ket = "Lulus"

ElseIf NilaiAkhir >= 35 And NilaiAkhir < 50 Then

Grade = "D"

Ket = "Tidak Lulus"

ElseIf NilaiAkhir >= 0 And NilaiAkhir < 35 Then

Grade = "E"

Ket = "Tidak Lulus"

Else

Grade = "I"

Ket = "Tidak Valid"

End If

BoxGrade.Text = Grade

BoxKet.Text = Ket

End Sub

End Class

**FORM2**

Imports System.Windows.Forms.VisualStyles.VisualStyleElement

Public Class Form2

Private Sub Form2\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

ComboBox1.DropDownStyle = ComboBoxStyle.DropDownList

ComboBox2.DropDownStyle = ComboBoxStyle.DropDownList

ComboBox1.Items.Add("IIIA")

ComboBox1.Items.Add("IIIB")

ComboBox1.Items.Add("IIIC")

ComboBox2.Items.Add("0")

ComboBox2.Items.Add("1")

ComboBox2.Items.Add("2")

ComboBox2.Items.Add("3")

ComboBox2.Enabled = False

TextBoxTunAnak.Enabled = False

TextBoxIstri.Enabled = False

End Sub

Private Sub ComboBox1\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ComboBox1.SelectedIndexChanged

Select Case ComboBox1.Text

Case "IIIA"

TextBoxGaji.Text = "Rp.1500000"

Case "IIIB"

TextBoxGaji.Text = "Rp.2500000"

Case "IIIC"

TextBoxGaji.Text = "Rp.3500000"

End Select

End Sub

Private Sub ButtonHitung\_Click(sender As Object, e As EventArgs) Handles ButtonHitung.Click

Dim TotalGaji As Integer

Dim TunjanganIstri, TunjanganAnak As Double

Dim GajiPokok As Decimal

Dim golongan As Integer = ComboBox1.SelectedIndex

Dim JumlahAnak As Integer = ComboBox2.SelectedIndex

Select Case golongan

Case 0

GajiPokok = 1500000

Case 1

GajiPokok = 2500000

Case 2

GajiPokok = 3500000

End Select

If CheckBox1.Checked Then

TunjanganIstri = 0.15 \* GajiPokok

TunjanganAnak = 0.1 \* GajiPokok \* JumlahAnak

End If

TotalGaji = GajiPokok + TunjanganIstri + TunjanganAnak

TextBoxTunAnak.Text = TunjanganAnak

TextBoxIstri.Text = TunjanganIstri

TextBoxTotal.Text = TotalGaji

End Sub

Private Sub CheckBox1\_CheckedChanged(sender As Object, e As EventArgs) Handles CheckBox1.CheckedChanged

If CheckBox1.Checked Then

ComboBox2.Enabled = True

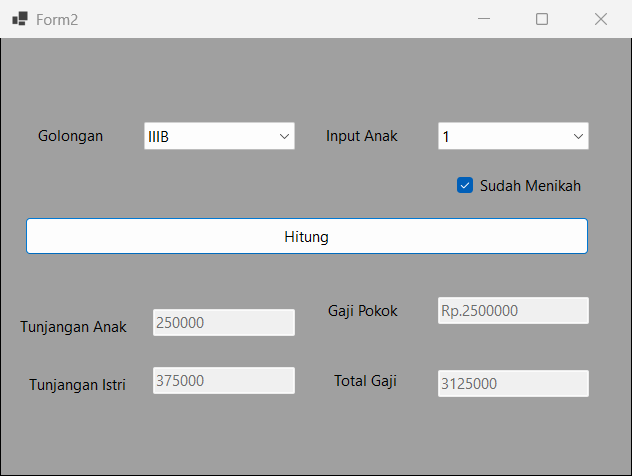
Else

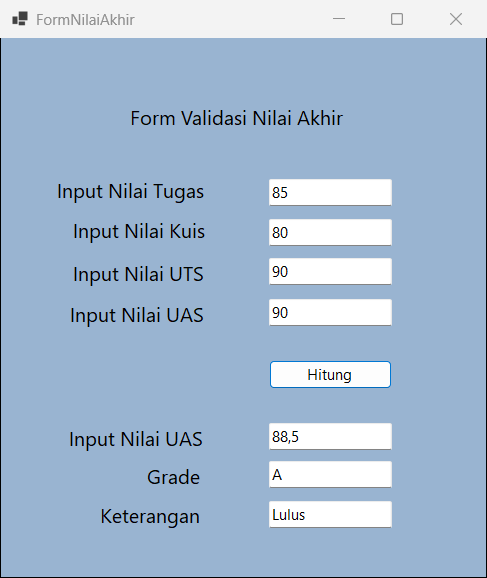
ComboBox2.Enabled = False

End If

End Sub

End Class

D. RUN PROGRAM



# MINGGU 8 – UTS

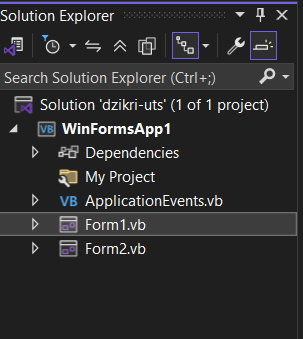
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

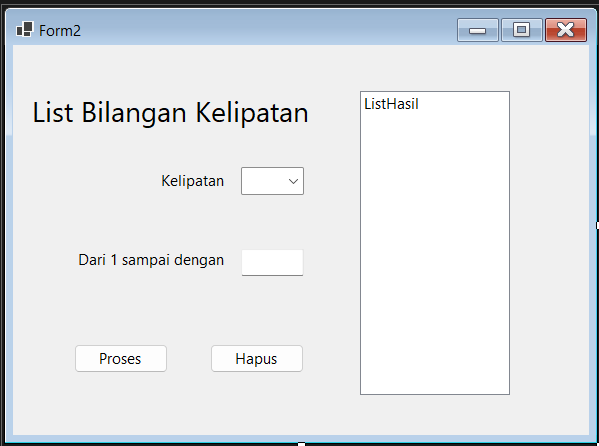
NO ABSEN : 12

KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM



C. KODE PROGRAM

**FORM1**

Imports System.ComponentModel

Imports System.Globalization

Public Class Form1

Private Sub BtnSimpan\_Click(sender As Object, e As EventArgs) Handles BtnSimpan.Click

Dim uangSaku As Decimal

If RadioButton1.Checked Then

LabelStat.Text = "Aktif"

uangSaku = 200000

ElseIf RadioButton2.Checked Then

LabelStat.Text = "Cuti"

uangSaku = 50000

End If

LabelRupiah.Text = uangSaku.ToString("C0", New CultureInfo("id-ID"))

LabelNIM.Text = TxtNIM.Text

LabelNama.Text = TxtNama.Text

End Sub

Private Sub BtnHapus\_Click(sender As Object, e As EventArgs) Handles BtnHapus.Click

TxtNIM.Text = ""

TxtNama.Text = ""

ComboBoxJurusan.Text = ""

LabelNIM.Text = ""

LabelNama.Text = ""

LabelJur.Text = ""

LabelStat.Text = ""

LabelRupiah.Text = ""

End Sub

Private Sub TxtNIM\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TxtNIM.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

TxtNama.Focus()

End If

End Sub

Private Sub ComboBoxJurusan\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ComboBoxJurusan.SelectedIndexChanged

LabelJur.Text = ComboBoxJurusan.SelectedItem

End Sub

Private Sub TxtNama\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TxtNama.KeyPress

If (e.KeyChar >= "0" And e.KeyChar <= "9") Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

BtnSimpan.Focus()

End If

End Sub

End Class

**FORM2**

Public Class Form2

Private Sub TextBox1\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextBox1.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

If (e.KeyChar = Chr(13)) Then

btnProses.Focus()

End If

End Sub

Private Sub btnProses\_Click(sender As Object, e As EventArgs) Handles btnProses.Click

ListHasil.Items.Clear()

Dim kelipatan As Integer

If ComboBox1.SelectedItem IsNot Nothing Then

kelipatan = Val(ComboBox1.SelectedItem)

Else

MsgBox("Pilih Kelipatan")

Exit Sub

End If

For i As Integer = 1 To TextBox1.Text

If i Mod kelipatan = 0 Then

ListHasil.Items.Add(i)

End If

Next

End Sub

Private Sub Button2\_Click(sender As Object, e As EventArgs) Handles Button2.Click

ListHasil.Items.Clear()

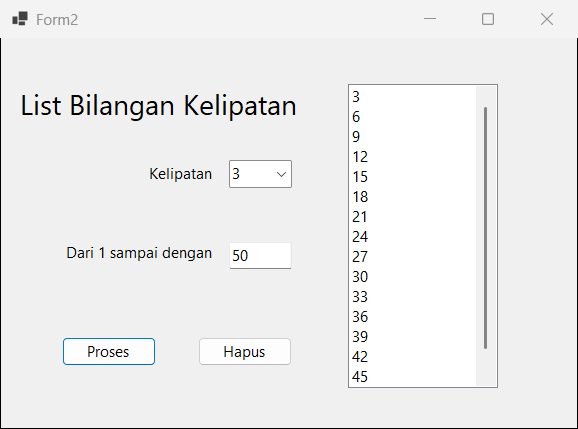
TextBox1.Clear()

ComboBox1.SelectedIndex = -1

End Sub

End Class

D. RUN PROGRAM



# MINGGU 9 – DATABASE MYSQLITE

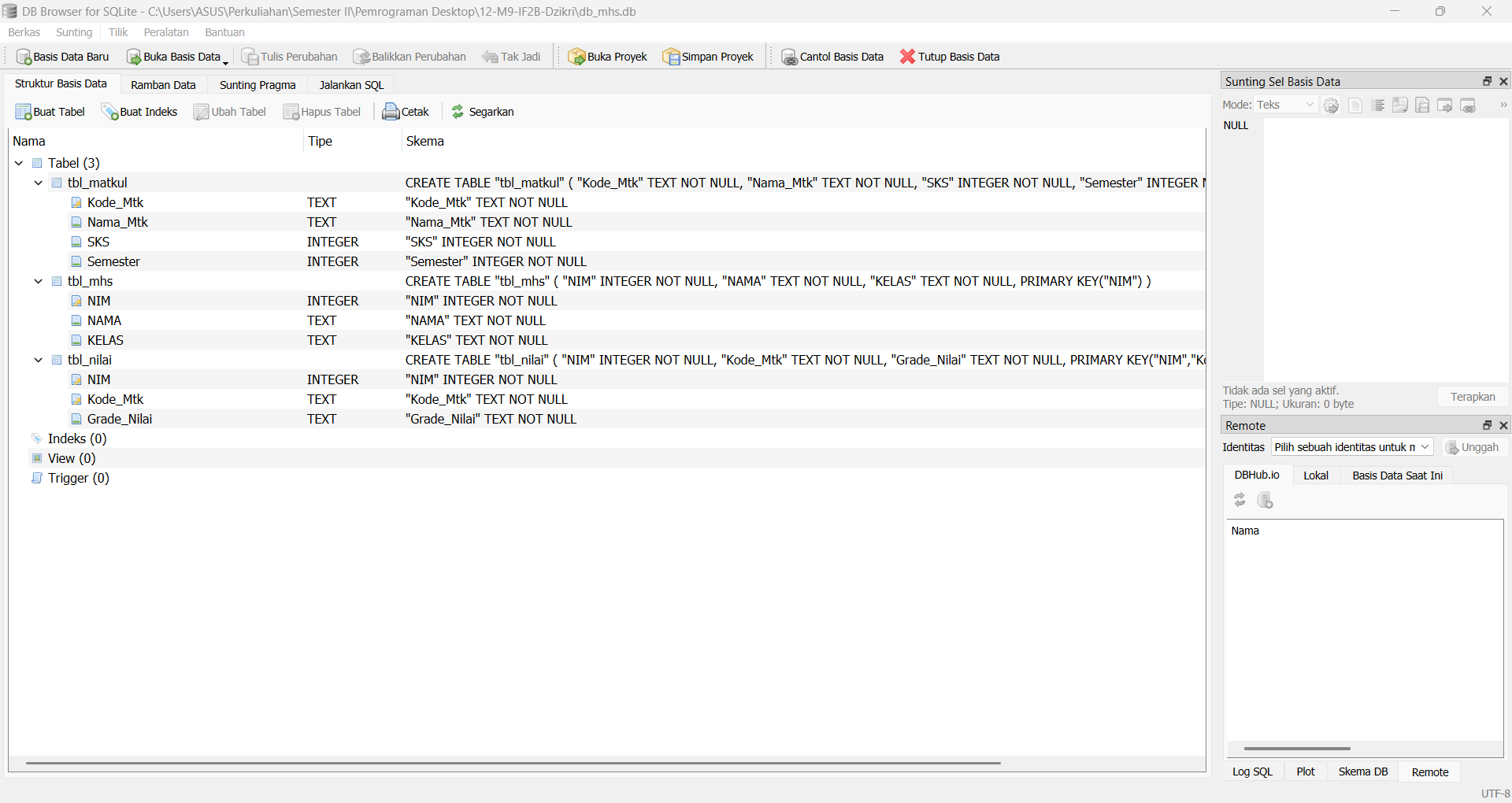
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

NO ABSEN : 12

KELAS : IF1B

A. DESAIN DATABASE



# MINGGU 10 – APLIKASI CRUD

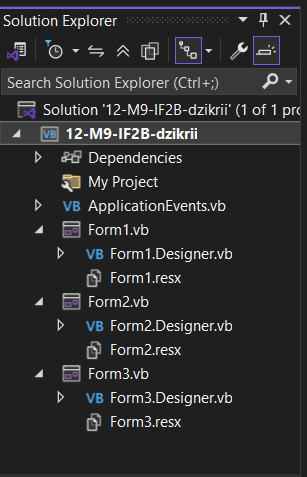
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

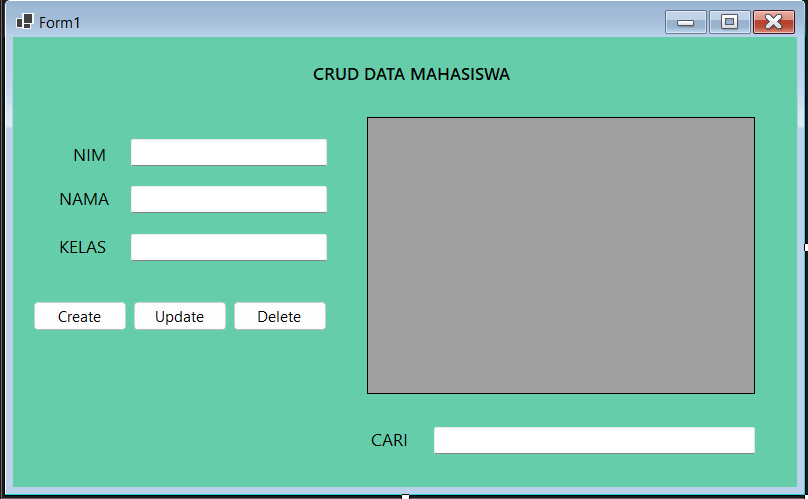
NO ABSEN : 12

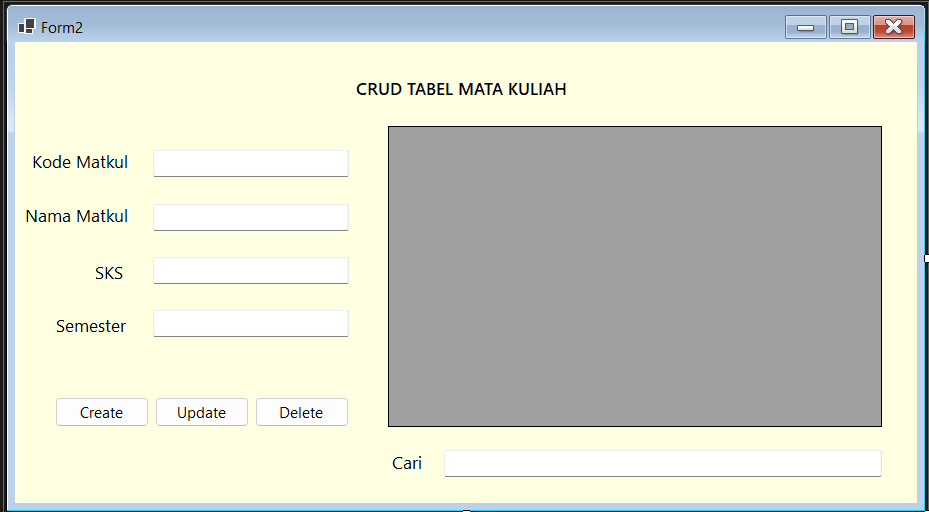
KELAS : IF1B

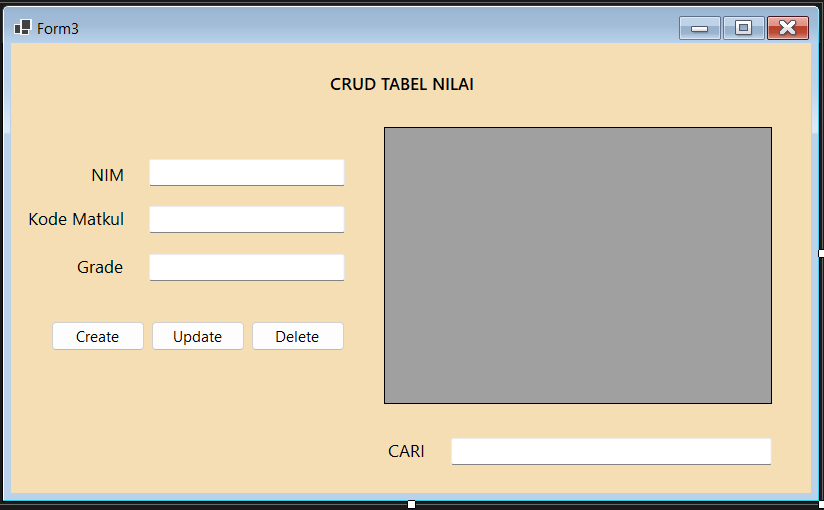
A. STRUKTUR PROJECT



B. DESAIN FORM







C. KODE PROGRAM

**FORM1**

Imports System.Data.SQLite

Public Class Form1

Dim conn As SQLiteConnection

Dim cmd As SQLiteCommand

Dim da As SQLiteDataAdapter

Dim dt As DataTable

Dim dbPath As String = "Data Source=""C:\Users\ASUS\Perkuliahan\Semester II\Pemrograman Desktop\12-M9-IF2B-Dzikrii\db\_mhs.db"";Version=3;"

Sub TampilkanData()

conn = New SQLiteConnection(dbPath)

conn.Open()

da = New SQLiteDataAdapter("SELECT \* FROM tbl\_mhs", conn)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

Function DataValidation() As Boolean

If String.IsNullOrWhiteSpace(txtNIM.Text) Then

MessageBox.Show("NIM tidak boleh kosong", "Mohon isi terlebih daluhu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNIM.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtNama.Text) Then

MessageBox.Show("Nama tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNama.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtKelas.Text) Then

MessageBox.Show("Kelas tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtKelas.Focus()

Return False

End If

Return True

End Function

Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick

Dim index As Integer = e.RowIndex

If index >= 0 Then

Dim row As DataGridViewRow = DataGridView1.Rows(index)

txtNIM.Text = row.Cells("NIM").Value.ToString()

txtNama.Text = row.Cells("NAMA").Value.ToString()

txtKelas.Text = row.Cells("KELAS").Value.ToString()

End If

End Sub

Private Sub btnCreate\_Click(sender As Object, e As EventArgs) Handles btnCreate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim insertSql As String = "INSERT INTO tbl\_mhs (NIM, NAMA, KELAS) VALUES (@nim, @nama, @kelas)"

cmd = New SQLiteCommand(insertSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

cmd.Parameters.AddWithValue("@nama", txtNama.Text)

cmd.Parameters.AddWithValue("@kelas", txtKelas.Text)

cmd.ExecuteNonQuery()

conn.Close()

MessageBox.Show("Data berhasil disimpan!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

TampilkanData()

txtNIM.Clear()

txtNama.Clear()

txtKelas.Clear()

End Sub

Function deleteValidation() As Boolean

If String.IsNullOrWhiteSpace(txtNIM.Text) Then

MessageBox.Show("NIM tidak boleh kosong untuk menghapus data!", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNIM.Focus()

Return False

End If

Return True

End Function

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

If Not deleteValidation() Then Exit Sub

If MessageBox.Show("Yakin ingin menghapus data?", "Konfirmasi", MessageBoxButtons.YesNo) = DialogResult.Yes Then

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim deleteSql As String = "DELETE FROM tbl\_mhs WHERE NIM=@nim"

cmd = New SQLiteCommand(deleteSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil dihapus!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtNama.Clear()

txtKelas.Clear()

TampilkanData()

End If

End Sub

Private Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles btnUpdate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim updateSql As String = "UPDATE tbl\_mhs SET NAMA=@nama, KELAS=@kelas WHERE NIM=@nim"

cmd = New SQLiteCommand(updateSql, conn)

cmd.Parameters.AddWithValue("@nama", txtNama.Text)

cmd.Parameters.AddWithValue("@kelas", txtKelas.Text)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil diupdate!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtNama.Clear()

txtKelas.Clear()

TampilkanData()

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim cariSql As String = "SELECT \* FROM tbl\_mhs WHERE NIM LIKE @cari OR NAMA LIKE @cari OR KELAS LIKE @cari"

cmd = New SQLiteCommand(cariSql, conn)

cmd.Parameters.AddWithValue("@cari", "%" & txtCari.Text & "%")

da = New SQLiteDataAdapter(cmd)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

End Class

**FORM2**

Imports System.Data.SQLite

Public Class Form2

Dim conn As SQLiteConnection

Dim cmd As SQLiteCommand

Dim da As SQLiteDataAdapter

Dim dt As DataTable

Dim dbPath As String = "Data Source=""C:\Users\ASUS\Perkuliahan\Semester II\Pemrograman Desktop\12-M9-IF2B-Dzikrii\db\_mhs.db"";Version=3;"

Sub TampilkanData()

conn = New SQLiteConnection(dbPath)

conn.Open()

da = New SQLiteDataAdapter("SELECT \* FROM tbl\_matkul", conn)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

Function DataValidation() As Boolean

If String.IsNullOrWhiteSpace(txtKodeMK.Text) Then

MessageBox.Show("Kode Mata kuliah tidak boleh kosong", "Mohon isi terlebih daluhu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtKodeMK.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtNamaMK.Text) Then

MessageBox.Show("Nama Mata kuliah tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNamaMK.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtSKS.Text) Then

MessageBox.Show("SKS tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtSKS.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtSmt.Text) Then

MessageBox.Show("Semester tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtSmt.Focus()

Return False

End If

Return True

End Function

Private Sub btnCreate\_Click(sender As Object, e As EventArgs) Handles btnCreate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim insertSql As String = "INSERT INTO tbl\_matkul (Kode\_Mtk, Nama\_Mtk, SKS, Semester) VALUES (@kodeMK, @namaMK, @sks, @smt)"

cmd = New SQLiteCommand(insertSql, conn)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@namaMK", txtNamaMK.Text)

cmd.Parameters.AddWithValue("@sks", txtSKS.Text)

cmd.Parameters.AddWithValue("@smt", txtSmt.Text)

cmd.ExecuteNonQuery()

conn.Close()

MessageBox.Show("Data berhasil disimpan!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

TampilkanData()

txtKodeMK.Clear()

txtNamaMK.Clear()

txtSKS.Clear()

txtSmt.Clear()

End Sub

Private Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles btnUpdate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim updateSql As String = "UPDATE tbl\_matkul SET Nama\_Mtk=@namaMK, SKS=@sks, Semester=@smt WHERE Kode\_Mtk=@kodeMK"

cmd = New SQLiteCommand(updateSql, conn)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@namaMK", txtNamaMK.Text)

cmd.Parameters.AddWithValue("@sks", txtSKS.Text)

cmd.Parameters.AddWithValue("@smt", txtSmt.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil diupdate!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtKodeMK.Clear()

txtNamaMK.Clear()

txtSKS.Clear()

txtSmt.Clear()

TampilkanData()

End Sub

Function deleteValidation() As Boolean

If String.IsNullOrWhiteSpace(txtKodeMK.Text) Then

MessageBox.Show("Kode Mata Kuliah tidak boleh kosong untuk menghapus data!", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtKodeMK.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtNamaMK.Text) Then

MessageBox.Show("Nama Mata Kuliah tidak boleh kosong untuk menghapus data!", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNamaMK.Focus()

Return False

End If

Return True

End Function

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

If Not deleteValidation() Then Exit Sub

If MessageBox.Show("Yakin ingin menghapus data?", "Konfirmasi", MessageBoxButtons.YesNo) = DialogResult.Yes Then

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim deleteSql As String = "DELETE FROM tbl\_matkul WHERE Kode\_Mtk=@KodeMK"

cmd = New SQLiteCommand(deleteSql, conn)

cmd.Parameters.AddWithValue("@KodeMK", txtKodeMK.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil dihapus!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtKodeMK.Clear()

txtNamaMK.Clear()

txtSKS.Clear()

txtSmt.Clear()

TampilkanData()

End If

End Sub

Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick

Dim index As Integer = e.RowIndex

If index >= 0 Then

Dim row As DataGridViewRow = DataGridView1.Rows(index)

txtKodeMK.Text = row.Cells("Kode\_Mtk").Value.ToString()

txtNamaMK.Text = row.Cells("Nama\_Mtk").Value.ToString()

txtSKS.Text = row.Cells("SKS").Value.ToString()

txtSmt.Text = row.Cells("Semester").Value.ToString()

End If

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim cariSql As String = "SELECT \* FROM tbl\_matkul WHERE Kode\_Mtk LIKE @cari OR Nama\_Mtk LIKE @cari OR SKS LIKE @cari OR Semester LIKE @cari"

cmd = New SQLiteCommand(cariSql, conn)

cmd.Parameters.AddWithValue("@cari", "%" & txtCari.Text & "%")

da = New SQLiteDataAdapter(cmd)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

End Class

**FORM3**

Imports System.Data.SQLite

Public Class Form3

Dim conn As SQLiteConnection

Dim cmd As SQLiteCommand

Dim da As SQLiteDataAdapter

Dim dt As DataTable

Dim dbPath As String = "Data Source=""C:\Users\ASUS\Perkuliahan\Semester II\Pemrograman Desktop\12-M9-IF2B-Dzikrii\db\_mhs.db"";Version=3;"

Sub TampilkanData()

conn = New SQLiteConnection(dbPath)

conn.Open()

da = New SQLiteDataAdapter("SELECT \* FROM tbl\_nilai", conn)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick

Dim index As Integer = e.RowIndex

If index >= 0 Then

Dim row As DataGridViewRow = DataGridView1.Rows(index)

txtNIM.Text = row.Cells("NIM").Value.ToString()

txtKodeMK.Text = row.Cells("Kode\_Mtk").Value.ToString()

txtGrade.Text = row.Cells("Grade\_Nilai").Value.ToString()

End If

End Sub

Private Sub btnCreate\_Click(sender As Object, e As EventArgs) Handles btnCreate.Click

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim insertSql As String = "INSERT INTO tbl\_nilai (NIM, Kode\_Mtk, Grade\_Nilai) VALUES (@nim, @kodeMK, @grade)"

cmd = New SQLiteCommand(insertSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@grade", txtGrade.Text)

cmd.ExecuteNonQuery()

conn.Close()

MessageBox.Show("Data berhasil disimpan!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

TampilkanData()

txtNIM.Clear()

txtKodeMK.Clear()

txtGrade.Clear()

End Sub

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

If MessageBox.Show("Yakin ingin menghapus data?", "Konfirmasi", MessageBoxButtons.YesNo) = DialogResult.Yes Then

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim deleteSql As String = "DELETE FROM tbl\_nilai WHERE NIM=@nim"

cmd = New SQLiteCommand(deleteSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil dihapus!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtKodeMK.Clear()

txtGrade.Clear()

TampilkanData()

End If

End Sub

Private Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles btnUpdate.Click

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim updateSql As String = "UPDATE tbl\_nilai SET Kode\_Mtk=@kodeMK, Grade\_Nilai=@grade WHERE NIM=@nim"

cmd = New SQLiteCommand(updateSql, conn)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@grade", txtGrade.Text)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil diupdate!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtKodeMK.Clear()

txtGrade.Clear()

TampilkanData()

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim cariSql As String = "SELECT \* FROM tbl\_nilai WHERE NIM LIKE @cari OR Kode\_Mtk LIKE @cari OR Grade\_Nilai LIKE @cari"

cmd = New SQLiteCommand(cariSql, conn)

cmd.Parameters.AddWithValue("@cari", "%" & txtCari.Text & "%")

da = New SQLiteDataAdapter(cmd)

dt = New DataTable()

da.Fill(dt)

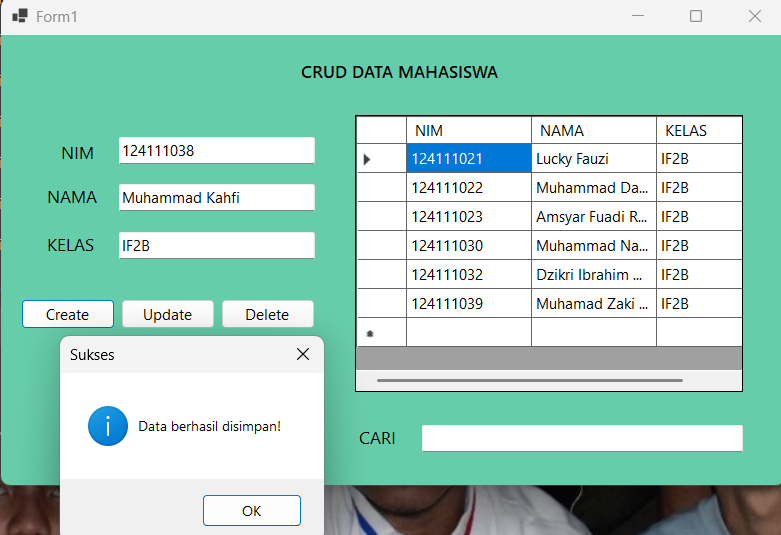
DataGridView1.DataSource = dt

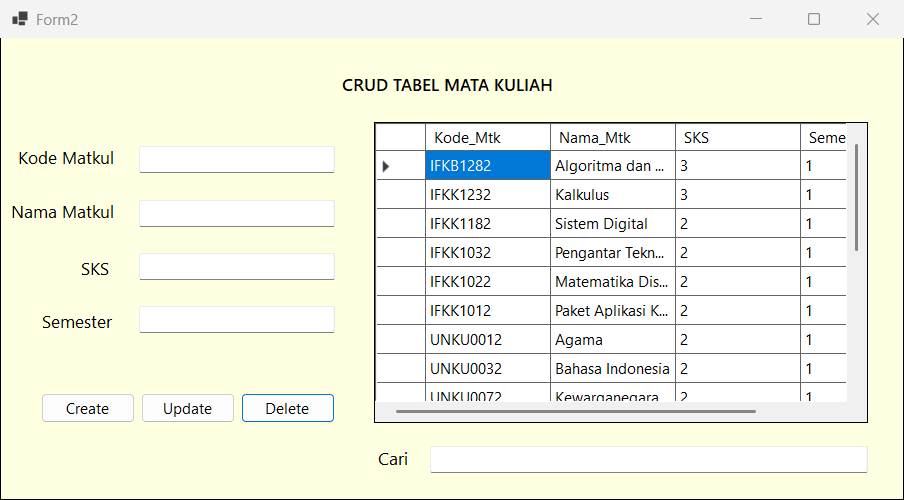
conn.Close()

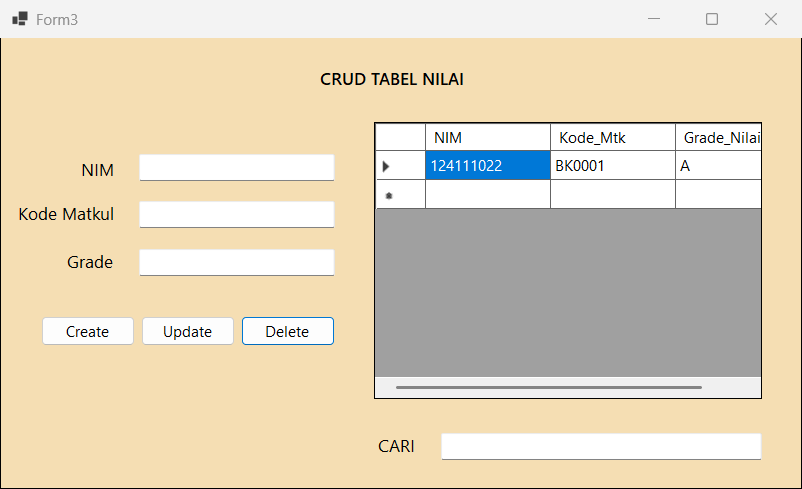
End Sub

End Class

D. RUN PROGRAM







# MINGGU 11 – DATA VALIDATION

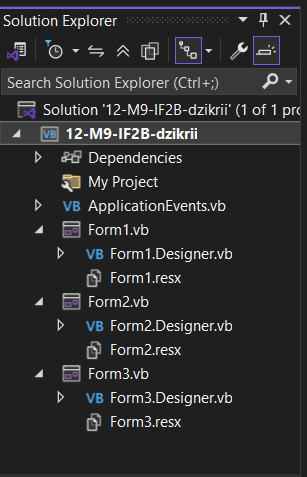
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

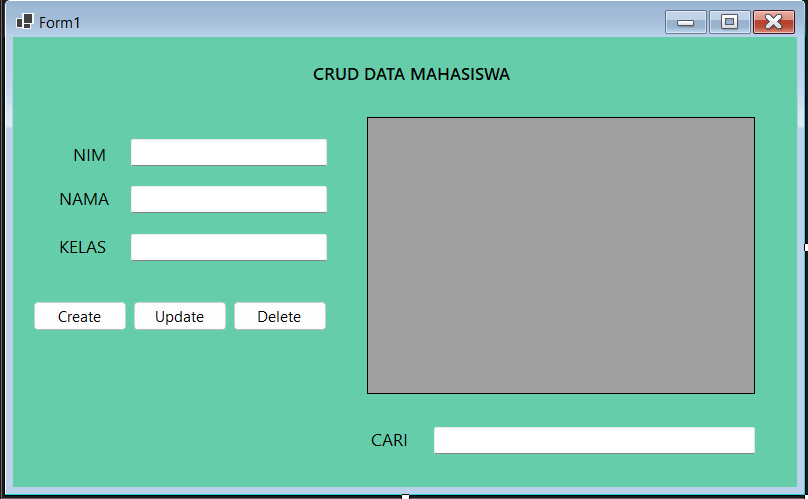
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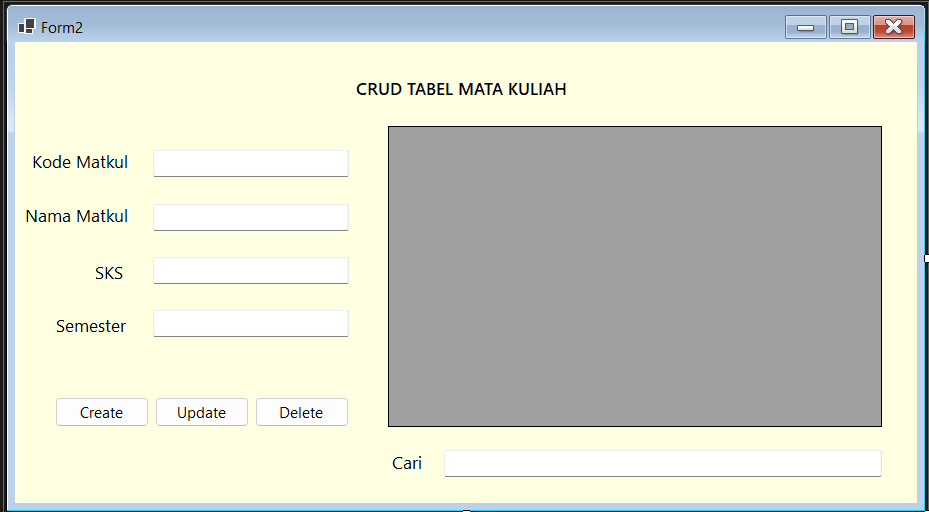
KELAS : IF1B

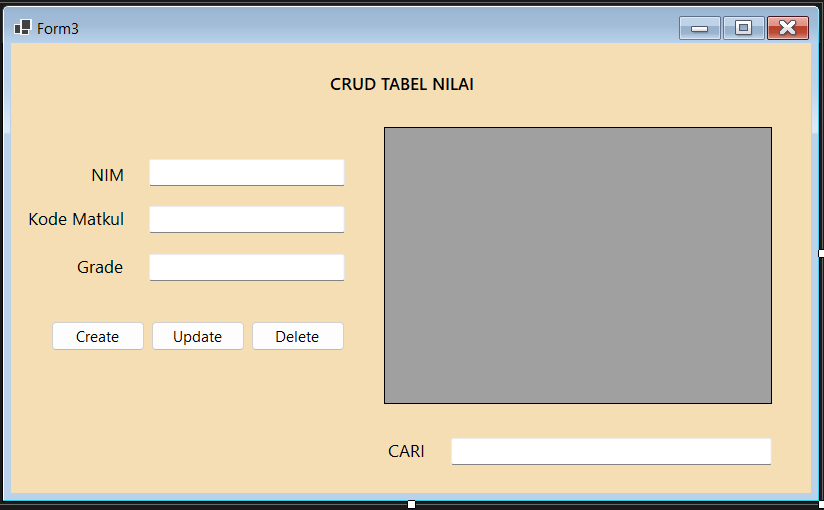
A. STRUKTUR PROJECT



B. DESAIN FORM







C. KODE PROGRAM

**FORM1**

Imports System.Data.SQLite

Public Class Form1

Dim conn As SQLiteConnection

Dim cmd As SQLiteCommand

Dim da As SQLiteDataAdapter

Dim dt As DataTable

Dim dbPath As String = "Data Source=""C:\Users\ASUS\Perkuliahan\Semester II\Pemrograman Desktop\12-M9-IF2B-Dzikrii\db\_mhs.db"";Version=3;"

Sub TampilkanData()

conn = New SQLiteConnection(dbPath)

conn.Open()

da = New SQLiteDataAdapter("SELECT \* FROM tbl\_mhs", conn)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

Function DataValidation() As Boolean

If String.IsNullOrWhiteSpace(txtNIM.Text) Then

MessageBox.Show("NIM tidak boleh kosong", "Mohon isi terlebih daluhu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNIM.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtNama.Text) Then

MessageBox.Show("Nama tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNama.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtKelas.Text) Then

MessageBox.Show("Kelas tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtKelas.Focus()

Return False

End If

Return True

End Function

Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick

Dim index As Integer = e.RowIndex

If index >= 0 Then

Dim row As DataGridViewRow = DataGridView1.Rows(index)

txtNIM.Text = row.Cells("NIM").Value.ToString()

txtNama.Text = row.Cells("NAMA").Value.ToString()

txtKelas.Text = row.Cells("KELAS").Value.ToString()

End If

End Sub

Private Sub btnCreate\_Click(sender As Object, e As EventArgs) Handles btnCreate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim insertSql As String = "INSERT INTO tbl\_mhs (NIM, NAMA, KELAS) VALUES (@nim, @nama, @kelas)"

cmd = New SQLiteCommand(insertSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

cmd.Parameters.AddWithValue("@nama", txtNama.Text)

cmd.Parameters.AddWithValue("@kelas", txtKelas.Text)

cmd.ExecuteNonQuery()

conn.Close()

MessageBox.Show("Data berhasil disimpan!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

TampilkanData()

txtNIM.Clear()

txtNama.Clear()

txtKelas.Clear()

End Sub

Function deleteValidation() As Boolean

If String.IsNullOrWhiteSpace(txtNIM.Text) Then

MessageBox.Show("NIM tidak boleh kosong untuk menghapus data!", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNIM.Focus()

Return False

End If

Return True

End Function

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

If Not deleteValidation() Then Exit Sub

If MessageBox.Show("Yakin ingin menghapus data?", "Konfirmasi", MessageBoxButtons.YesNo) = DialogResult.Yes Then

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim deleteSql As String = "DELETE FROM tbl\_mhs WHERE NIM=@nim"

cmd = New SQLiteCommand(deleteSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil dihapus!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtNama.Clear()

txtKelas.Clear()

TampilkanData()

End If

End Sub

Private Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles btnUpdate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim updateSql As String = "UPDATE tbl\_mhs SET NAMA=@nama, KELAS=@kelas WHERE NIM=@nim"

cmd = New SQLiteCommand(updateSql, conn)

cmd.Parameters.AddWithValue("@nama", txtNama.Text)

cmd.Parameters.AddWithValue("@kelas", txtKelas.Text)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil diupdate!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtNama.Clear()

txtKelas.Clear()

TampilkanData()

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim cariSql As String = "SELECT \* FROM tbl\_mhs WHERE NIM LIKE @cari OR NAMA LIKE @cari OR KELAS LIKE @cari"

cmd = New SQLiteCommand(cariSql, conn)

cmd.Parameters.AddWithValue("@cari", "%" & txtCari.Text & "%")

da = New SQLiteDataAdapter(cmd)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

End Class

**FORM2**

Imports System.Data.SQLite

Public Class Form2

Dim conn As SQLiteConnection

Dim cmd As SQLiteCommand

Dim da As SQLiteDataAdapter

Dim dt As DataTable

Dim dbPath As String = "Data Source=""C:\Users\ASUS\Perkuliahan\Semester II\Pemrograman Desktop\12-M9-IF2B-Dzikrii\db\_mhs.db"";Version=3;"

Sub TampilkanData()

conn = New SQLiteConnection(dbPath)

conn.Open()

da = New SQLiteDataAdapter("SELECT \* FROM tbl\_matkul", conn)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

Function DataValidation() As Boolean

If String.IsNullOrWhiteSpace(txtKodeMK.Text) Then

MessageBox.Show("Kode Mata kuliah tidak boleh kosong", "Mohon isi terlebih daluhu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtKodeMK.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtNamaMK.Text) Then

MessageBox.Show("Nama Mata kuliah tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNamaMK.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtSKS.Text) Then

MessageBox.Show("SKS tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtSKS.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtSmt.Text) Then

MessageBox.Show("Semester tidak boleh kosong", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtSmt.Focus()

Return False

End If

Return True

End Function

Private Sub btnCreate\_Click(sender As Object, e As EventArgs) Handles btnCreate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim insertSql As String = "INSERT INTO tbl\_matkul (Kode\_Mtk, Nama\_Mtk, SKS, Semester) VALUES (@kodeMK, @namaMK, @sks, @smt)"

cmd = New SQLiteCommand(insertSql, conn)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@namaMK", txtNamaMK.Text)

cmd.Parameters.AddWithValue("@sks", txtSKS.Text)

cmd.Parameters.AddWithValue("@smt", txtSmt.Text)

cmd.ExecuteNonQuery()

conn.Close()

MessageBox.Show("Data berhasil disimpan!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

TampilkanData()

txtKodeMK.Clear()

txtNamaMK.Clear()

txtSKS.Clear()

txtSmt.Clear()

End Sub

Private Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles btnUpdate.Click

If Not DataValidation() Then Exit Sub

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim updateSql As String = "UPDATE tbl\_matkul SET Nama\_Mtk=@namaMK, SKS=@sks, Semester=@smt WHERE Kode\_Mtk=@kodeMK"

cmd = New SQLiteCommand(updateSql, conn)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@namaMK", txtNamaMK.Text)

cmd.Parameters.AddWithValue("@sks", txtSKS.Text)

cmd.Parameters.AddWithValue("@smt", txtSmt.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil diupdate!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtKodeMK.Clear()

txtNamaMK.Clear()

txtSKS.Clear()

txtSmt.Clear()

TampilkanData()

End Sub

Function deleteValidation() As Boolean

If String.IsNullOrWhiteSpace(txtKodeMK.Text) Then

MessageBox.Show("Kode Mata Kuliah tidak boleh kosong untuk menghapus data!", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtKodeMK.Focus()

Return False

End If

If String.IsNullOrWhiteSpace(txtNamaMK.Text) Then

MessageBox.Show("Nama Mata Kuliah tidak boleh kosong untuk menghapus data!", "Mohon isi terlebih dahulu", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtNamaMK.Focus()

Return False

End If

Return True

End Function

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

If Not deleteValidation() Then Exit Sub

If MessageBox.Show("Yakin ingin menghapus data?", "Konfirmasi", MessageBoxButtons.YesNo) = DialogResult.Yes Then

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim deleteSql As String = "DELETE FROM tbl\_matkul WHERE Kode\_Mtk=@KodeMK"

cmd = New SQLiteCommand(deleteSql, conn)

cmd.Parameters.AddWithValue("@KodeMK", txtKodeMK.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil dihapus!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtKodeMK.Clear()

txtNamaMK.Clear()

txtSKS.Clear()

txtSmt.Clear()

TampilkanData()

End If

End Sub

Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick

Dim index As Integer = e.RowIndex

If index >= 0 Then

Dim row As DataGridViewRow = DataGridView1.Rows(index)

txtKodeMK.Text = row.Cells("Kode\_Mtk").Value.ToString()

txtNamaMK.Text = row.Cells("Nama\_Mtk").Value.ToString()

txtSKS.Text = row.Cells("SKS").Value.ToString()

txtSmt.Text = row.Cells("Semester").Value.ToString()

End If

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim cariSql As String = "SELECT \* FROM tbl\_matkul WHERE Kode\_Mtk LIKE @cari OR Nama\_Mtk LIKE @cari OR SKS LIKE @cari OR Semester LIKE @cari"

cmd = New SQLiteCommand(cariSql, conn)

cmd.Parameters.AddWithValue("@cari", "%" & txtCari.Text & "%")

da = New SQLiteDataAdapter(cmd)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

End Class

**FORM3**

Imports System.Data.SQLite

Public Class Form3

Dim conn As SQLiteConnection

Dim cmd As SQLiteCommand

Dim da As SQLiteDataAdapter

Dim dt As DataTable

Dim dbPath As String = "Data Source=""C:\Users\ASUS\Perkuliahan\Semester II\Pemrograman Desktop\12-M9-IF2B-Dzikrii\db\_mhs.db"";Version=3;"

Sub TampilkanData()

conn = New SQLiteConnection(dbPath)

conn.Open()

da = New SQLiteDataAdapter("SELECT \* FROM tbl\_nilai", conn)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

conn.Close()

End Sub

Private Sub DataGridView1\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick

Dim index As Integer = e.RowIndex

If index >= 0 Then

Dim row As DataGridViewRow = DataGridView1.Rows(index)

txtNIM.Text = row.Cells("NIM").Value.ToString()

txtKodeMK.Text = row.Cells("Kode\_Mtk").Value.ToString()

txtGrade.Text = row.Cells("Grade\_Nilai").Value.ToString()

End If

End Sub

Private Sub btnCreate\_Click(sender As Object, e As EventArgs) Handles btnCreate.Click

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim insertSql As String = "INSERT INTO tbl\_nilai (NIM, Kode\_Mtk, Grade\_Nilai) VALUES (@nim, @kodeMK, @grade)"

cmd = New SQLiteCommand(insertSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@grade", txtGrade.Text)

cmd.ExecuteNonQuery()

conn.Close()

MessageBox.Show("Data berhasil disimpan!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

TampilkanData()

txtNIM.Clear()

txtKodeMK.Clear()

txtGrade.Clear()

End Sub

Private Sub btnDelete\_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

If MessageBox.Show("Yakin ingin menghapus data?", "Konfirmasi", MessageBoxButtons.YesNo) = DialogResult.Yes Then

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim deleteSql As String = "DELETE FROM tbl\_nilai WHERE NIM=@nim"

cmd = New SQLiteCommand(deleteSql, conn)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil dihapus!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtKodeMK.Clear()

txtGrade.Clear()

TampilkanData()

End If

End Sub

Private Sub btnUpdate\_Click(sender As Object, e As EventArgs) Handles btnUpdate.Click

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim updateSql As String = "UPDATE tbl\_nilai SET Kode\_Mtk=@kodeMK, Grade\_Nilai=@grade WHERE NIM=@nim"

cmd = New SQLiteCommand(updateSql, conn)

cmd.Parameters.AddWithValue("@kodeMK", txtKodeMK.Text)

cmd.Parameters.AddWithValue("@grade", txtGrade.Text)

cmd.Parameters.AddWithValue("@nim", txtNIM.Text)

Dim result As Integer = cmd.ExecuteNonQuery()

conn.Close()

If result > 0 Then

MessageBox.Show("Data berhasil diupdate!", "Sukses", MessageBoxButtons.OK, MessageBoxIcon.Information)

Else

MessageBox.Show("Data tidak ditemukan.", "Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

End If

txtNIM.Clear()

txtKodeMK.Clear()

txtGrade.Clear()

TampilkanData()

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

conn = New SQLiteConnection(dbPath)

conn.Open()

Dim cariSql As String = "SELECT \* FROM tbl\_nilai WHERE NIM LIKE @cari OR Kode\_Mtk LIKE @cari OR Grade\_Nilai LIKE @cari"

cmd = New SQLiteCommand(cariSql, conn)

cmd.Parameters.AddWithValue("@cari", "%" & txtCari.Text & "%")

da = New SQLiteDataAdapter(cmd)

dt = New DataTable()

da.Fill(dt)

DataGridView1.DataSource = dt

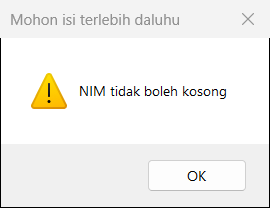
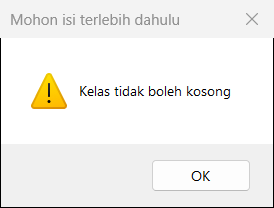
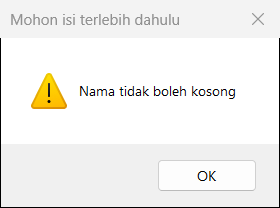
conn.Close()

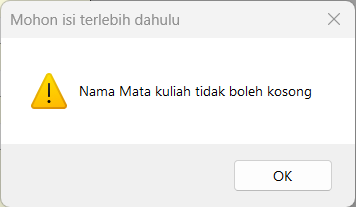
End Sub

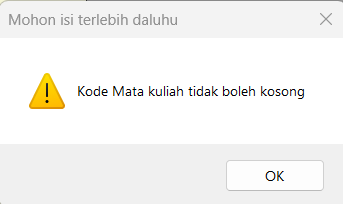
End Class

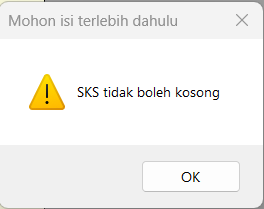
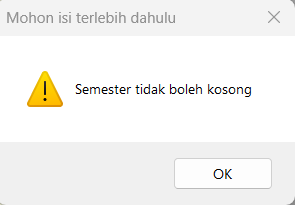
D. RUN PROGRAM

**FORM1**

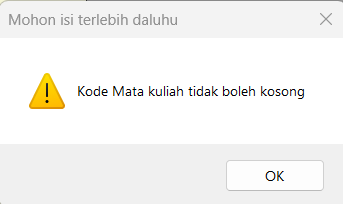
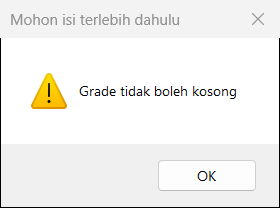


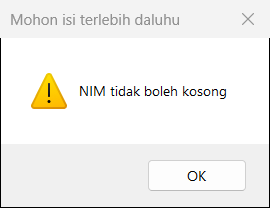
**FORM2**





**FORM3**





# MINGGU 12 – KONEKSI VB.NET-MYSQL (DATABASE #1)

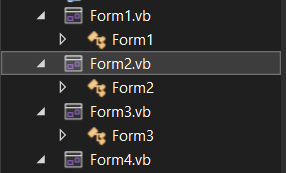
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

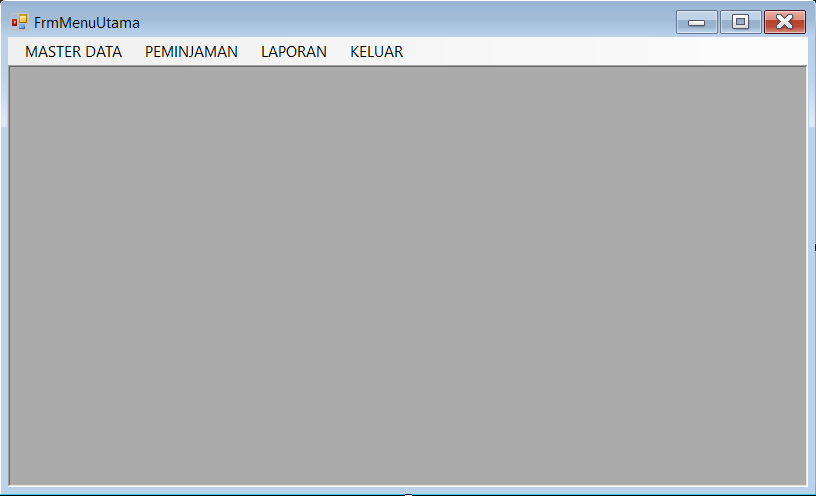
NO ABSEN : 12

KELAS : IF1B

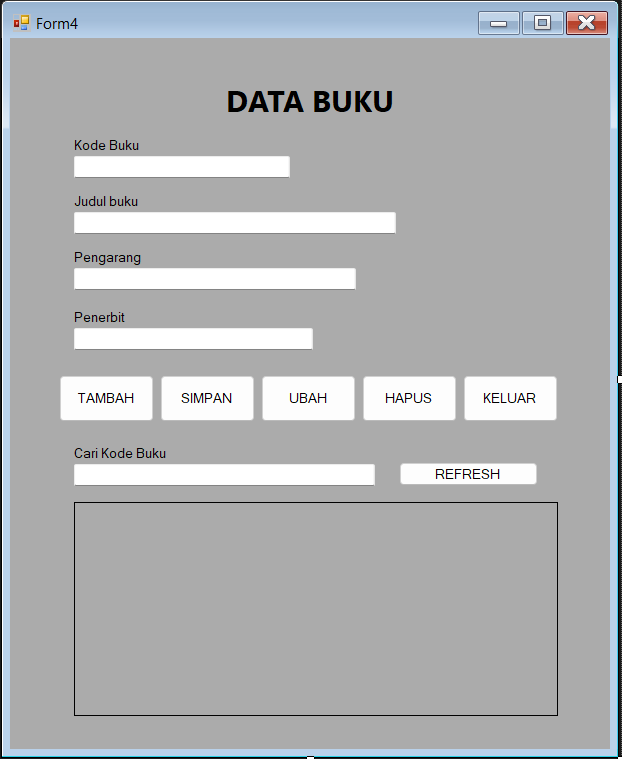
A. STRUKTUR PROJECT



B. DESAIN FORM







C. KODE PROGRAM

**FORM MENU UTAMA**

Imports MySql.Data.MySqlClient

Public Class Form1

Private Sub DATAANGGOTAToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DATAANGGOTAToolStripMenuItem.Click

Form3.Show()

End Sub

Private Sub DATABUKUToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DATABUKUToolStripMenuItem.Click

Form4.Show()

End Sub

Private Sub PEMINJAMANToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles PEMINJAMANToolStripMenuItem.Click

Form5.Show()

End Sub

Private Sub LAPOToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles LAPOToolStripMenuItem.Click

Form7.Show()

End Sub

End Class

**FORM LOGIN**

Imports MySql.Data.MySqlClient

Public Class Form2

Private Sub txtUsername\_KeyPress(ByVal sender As Object, ByVal e As KeyPressEventArgs) Handles txtUsername.KeyPress

If e.KeyChar = Chr(13) Then

txtPassword.Focus()

End If

End Sub

Private Sub txtPassword\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtPassword.KeyPress

If e.KeyChar = Chr(13) Then

btnLogin.PerformClick()

End If

End Sub

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

Try

Call koneksi()

CMD = New MySqlCommand("SELECT \* FROM tbpetugas WHERE status = @status AND password = @password", CONN)

CMD.Parameters.AddWithValue("@status", txtUsername.Text.Trim())

CMD.Parameters.AddWithValue("@password", txtPassword.Text.Trim())

RD = CMD.ExecuteReader()

If RD.HasRows Then

RD.Read()

MessageBox.Show("Login berhasil, selamat datang " & RD("status"), "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Me.Hide()

Form1.Show()

RD.Close()

Else

MessageBox.Show("Username atau password salah!", "PERINGATAN", MessageBoxButtons.OK, MessageBoxIcon.Error)

txtUsername.Clear()

txtPassword.Clear()

txtUsername.Focus()

RD.Close()

End If

Catch ex As Exception

MessageBox.Show("Terjadi kesalahan: " & ex.Message, "ERROR", MessageBoxButtons.OK, MessageBoxIcon.Error)

Finally

If CONN.State = ConnectionState.Open Then

CONN.Close()

End If

End Try

End Sub

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

Application.Exit()

End Sub

End Class

**FORM DATA ANGGOTA**

Imports MySql.Data.MySqlClient

Public Class Form3

Sub TampilDataGrid()

DA = New MySqlDataAdapter("select \* from tbanggota", CONN)

DS = New DataSet

DA.Fill(DS, "tbanggota")

DGVAnggota.DataSource = (DS.Tables("tbanggota"))

End Sub

Sub Aktif()

txtIDAnggota.Enabled = True

txtNamaAnggota.Enabled = True

txtAlamat.Enabled = True

txtNoTelp.Enabled = True

btnSimpan.Enabled = True

btnTambah.Text = "BATAL"

txtIDAnggota.Focus()

End Sub

Sub Bersih()

txtIDAnggota.Text = ""

txtNamaAnggota.Text = ""

txtAlamat.Text = ""

txtNoTelp.Text = ""

txtCari.Text = ""

End Sub

Sub NonAktif()

txtIDAnggota.Enabled = False

txtNamaAnggota.Enabled = False

txtAlamat.Enabled = False

txtNoTelp.Enabled = False

btnHapus.Enabled = False

btnSimpan.Enabled = False

btnUbah.Enabled = False

btnTambah.Text = "TAMBAH"

End Sub

Private Sub Form3\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Call koneksi()

Call TampilDataGrid()

Call NonAktif()

DGVAnggota.ReadOnly = True

End Sub

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

If txtIDAnggota.Text = "" Or txtNamaAnggota.Text = "" Or txtAlamat.Text = "" Or txtNoTelp.Text = "" Then

MessageBox.Show("Data Harus Diisi!",

"Informasi", MessageBoxButtons.OK,

MessageBoxIcon.Exclamation)

Else

Dim SQLSimpan As String = "insert into tbanggota(IDAnggota,NamaAnggota,Alamat,Telepon) values('" & txtIDAnggota.Text & "','" & txtNamaAnggota.Text & "','" & txtAlamat.Text & "','" & txtNoTelp.Text & "')"

CMD = New MySqlCommand(SQLSimpan, CONN)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Sudah Disimpan", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End If

End Sub

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

If btnTambah.Text = "TAMBAH" Then

Call Bersih()

Call Aktif()

Call TampilDataGrid()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End Sub

Private Sub DGVAnggota\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DGVAnggota.CellContentClick

Dim baris As Integer

With DGVAnggota

baris = .CurrentRow.Index

txtIDAnggota.Text = .Item(0, baris).Value

txtNamaAnggota.Text = .Item(1, baris).Value

txtAlamat.Text = .Item(2, baris).Value

txtNoTelp.Text = .Item(3, baris).Value

End With

btnUbah.Enabled = True

btnHapus.Enabled = True

Call Aktif()

btnSimpan.Enabled = False

End Sub

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

Me.Close()

End Sub

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

Dim DialogDelete = MessageBox.Show("Apakah Anda yakin ingin menghapus data ini?", "Konfirmasi Hapus", MessageBoxButtons.YesNo)

If txtIDAnggota.Text = "" Then

MessageBox.Show("Pilih Kode Barang dengan Benar", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Exit Sub

Else

If DialogDelete = DialogResult.Yes Then

CMD = New MySqlCommand("Delete from tbanggota where IDAnggota = '" & txtIDAnggota.Text & "'", CONN)

CMD.ExecuteNonQuery()

Call Bersih()

Call TampilDataGrid()

Call NonAktif()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End If

End Sub

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

If txtIDAnggota.Text = "" Or txtNamaAnggota.Text = "" Or txtAlamat.Text = "" Or txtNoTelp.Text = "" Then

MessageBox.Show("Data Harus Diisi!", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Else

Dim SQLUpdate As String = "update tbanggota set IDAnggota = '" & txtIDAnggota.Text & "', NamaAnggota = '" & txtNamaAnggota.Text & "', Alamat = '" & txtAlamat.Text & "', Telepon = '" & txtNoTelp.Text & "' where IDAnggota = '" & txtIDAnggota.Text & "'"

CMD = New MySqlCommand(SQLUpdate, CONN)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Telah Diubah", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End If

End Sub

Private Sub btnRefresh\_Click(sender As Object, e As EventArgs) Handles btnRefresh.Click

Call TampilDataGrid()

txtCari.Text = ""

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

Dim tables As DataTableCollection = DS.Tables

Dim source1 As New BindingSource

DA = New MySqlDataAdapter("select \* from tbanggota where IDAnggota like '%" & txtCari.Text & "%'", CONN)

DS = New DataSet

DA.Fill(DS, "tbanggota")

DGVAnggota.DataSource = DS.Tables("tbanggota")

End Sub

End Class

**FORM DATA BUKU**

Imports MySql.Data.MySqlClient

Public Class Form4

Sub TampilDataGrid()

DA = New MySqlDataAdapter("select \* from tbbuku", CONN)

DS = New DataSet

DA.Fill(DS, "tbbuku")

DGVBuku.DataSource = (DS.Tables("tbbuku"))

End Sub

Sub Aktif()

txtKodeBuku.Enabled = True

txtJudulBuku.Enabled = True

txtPengarang.Enabled = True

txtPenerbit.Enabled = True

btnSimpan.Enabled = True

btnTambah.Text = "BATAL"

txtKodeBuku.Focus()

End Sub

Sub Bersih()

txtKodeBuku.Text = ""

txtJudulBuku.Text = ""

txtPengarang.Text = ""

txtPenerbit.Text = ""

txtCari.Text = ""

End Sub

Sub NonAktif()

txtKodeBuku.Enabled = False

txtJudulBuku.Enabled = False

txtPengarang.Enabled = False

txtPenerbit.Enabled = False

btnHapus.Enabled = False

btnSimpan.Enabled = False

btnUbah.Enabled = False

btnTambah.Text = "TAMBAH"

End Sub

Private Sub Form4\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Call koneksi()

Call TampilDataGrid()

Call NonAktif()

DGVBuku.ReadOnly = True

End Sub

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

If txtKodeBuku.Text = "" Or txtJudulBuku.Text = "" Or txtPengarang.Text = "" Or txtPenerbit.Text = "" Then

MessageBox.Show("Data Harus Diisi!",

"Informasi", MessageBoxButtons.OK,

MessageBoxIcon.Exclamation)

Else

Dim SQLSimpan As String = "insert into tbbuku(KodeBuku,JudulBuku,Pengarang,Penerbit) values('" & txtKodeBuku.Text & "','" & txtJudulBuku.Text & "','" & txtPengarang.Text & "','" & txtPenerbit.Text & "')"

CMD = New MySqlCommand(SQLSimpan, CONN)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Sudah Disimpan", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End If

End Sub

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

If btnTambah.Text = "TAMBAH" Then

Call Bersih()

Call Aktif()

Call TampilDataGrid()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End Sub

Private Sub DGVBuku\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DGVBuku.CellContentClick

Dim baris As Integer

With DGVBuku

baris = .CurrentRow.Index

txtKodeBuku.Text = .Item(0, baris).Value

txtJudulBuku.Text = .Item(1, baris).Value

txtPengarang.Text = .Item(2, baris).Value

txtPenerbit.Text = .Item(3, baris).Value

End With

btnUbah.Enabled = True

btnHapus.Enabled = True

Call Aktif()

btnSimpan.Enabled = False

End Sub

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

Me.Close()

End Sub

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

Dim DialogDelete = MessageBox.Show("Apakah Anda yakin ingin menghapus data ini?", "Konfirmasi Hapus", MessageBoxButtons.YesNo)

If txtKodeBuku.Text = "" Then

MessageBox.Show("Pilih Kode Barang dengan Benar", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Exit Sub

Else

If DialogDelete = DialogResult.Yes Then

CMD = New MySqlCommand("Delete from tbbuku where KodeBuku = '" & txtKodeBuku.Text & "'", CONN)

CMD.ExecuteNonQuery()

Call Bersih()

Call TampilDataGrid()

Call NonAktif()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End If

End Sub

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

If txtKodeBuku.Text = "" Or txtJudulBuku.Text = "" Or txtPengarang.Text = "" Or txtPenerbit.Text = "" Then

MessageBox.Show("Data Harus Diisi!", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Else

Dim SQLUpdate As String = "update tbbuku set KodeBuku = '" & txtKodeBuku.Text & "', JudulBuku = '" & txtJudulBuku.Text & "', Pengarang = '" & txtPengarang.Text & "', Penerbit = '" & txtPenerbit.Text & "' where KodeBuku = '" & txtKodeBuku.Text & "'"

CMD = New MySqlCommand(SQLUpdate, CONN)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Telah Diubah", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End If

End Sub

Private Sub btnRefresh\_Click(sender As Object, e As EventArgs) Handles btnRefresh.Click

Call TampilDataGrid()

txtCari.Text = ""

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

Dim tables As DataTableCollection = DS.Tables

Dim source1 As New BindingSource

DA = New MySqlDataAdapter("select \* from tbbuku where KodeBuku like '%" & txtCari.Text & "%'", CONN)

DS = New DataSet

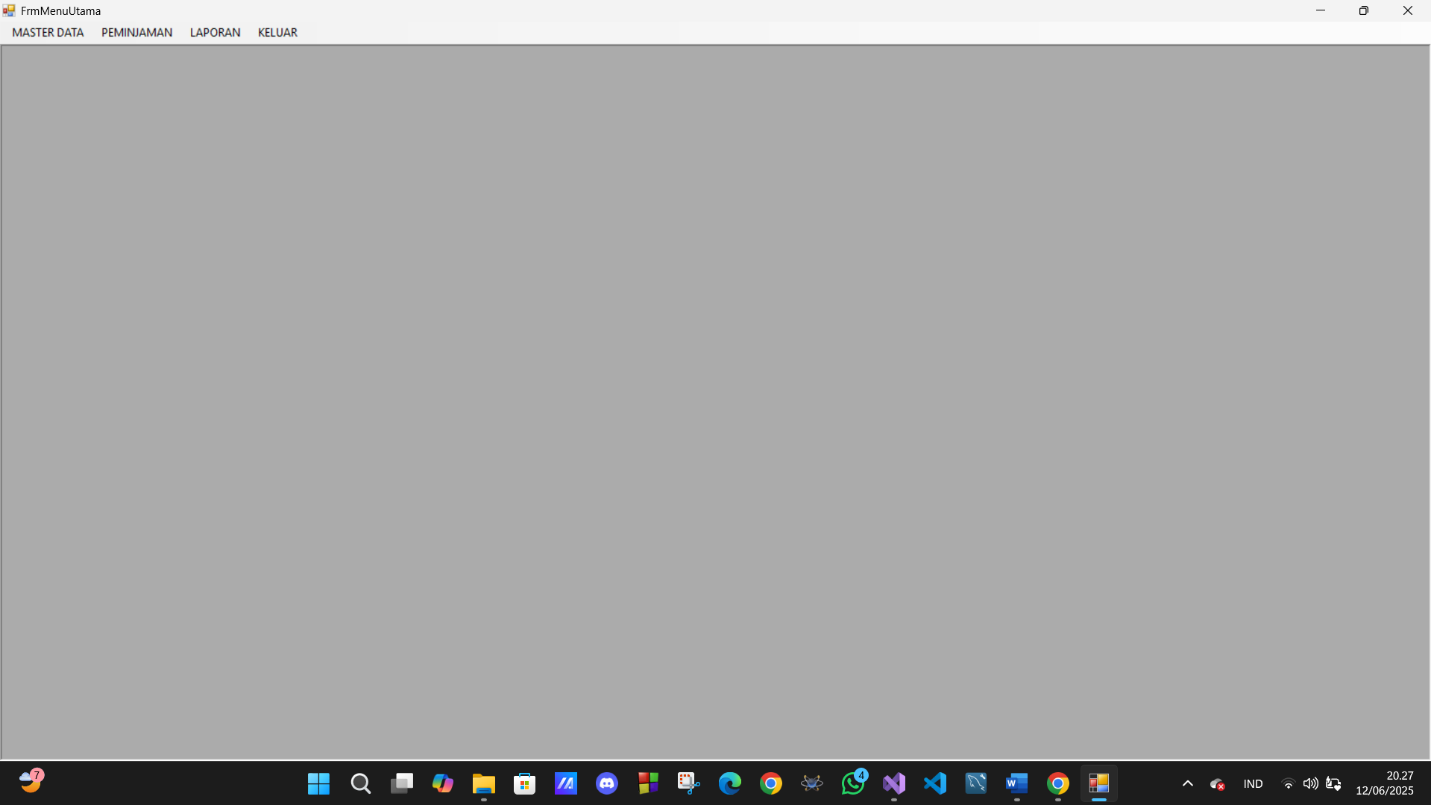
DA.Fill(DS, "tbbuku")

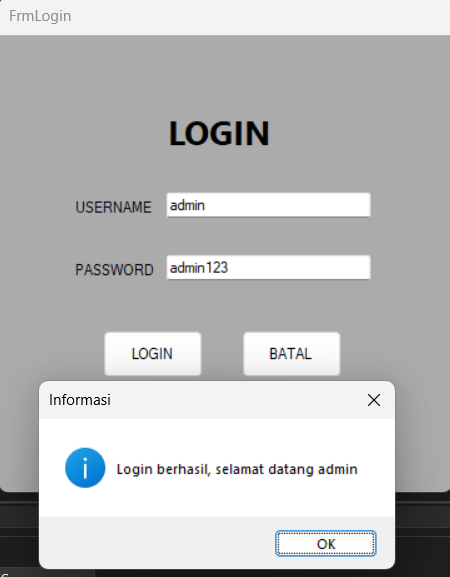
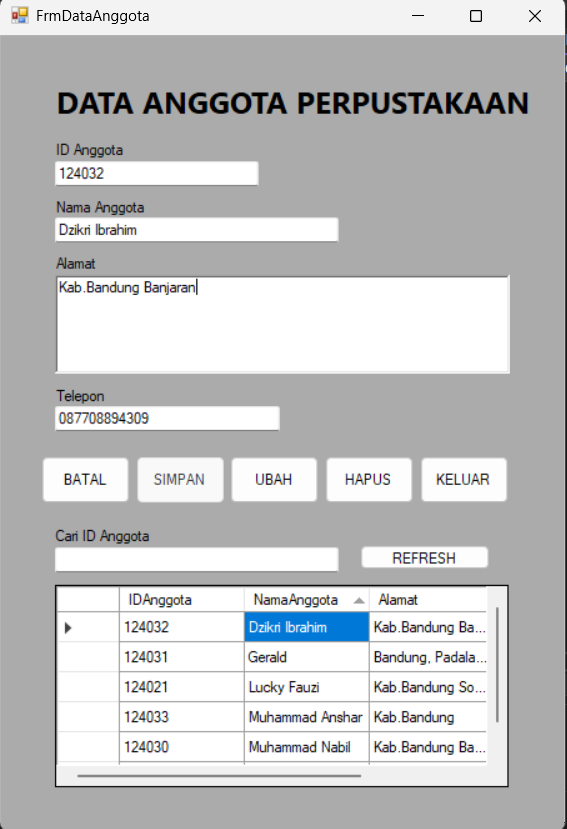
DGVBuku.DataSource = DS.Tables("tbbuku")

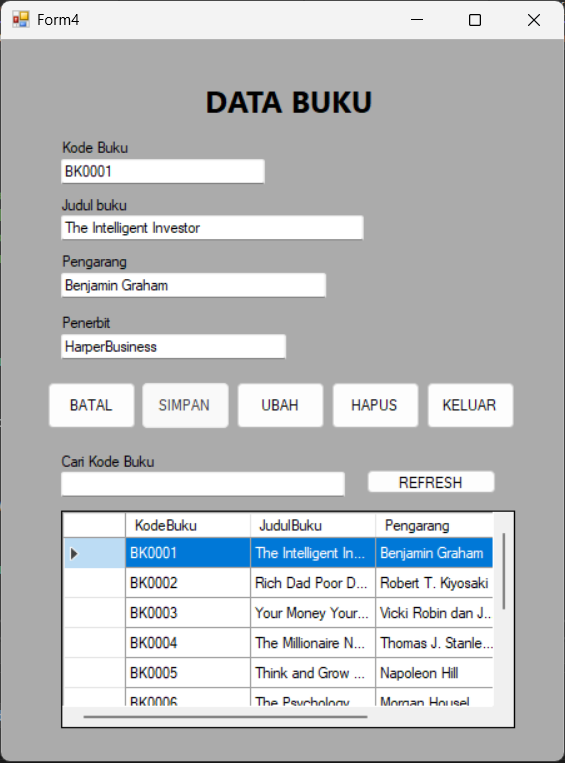
End Sub

End Class

D. RUN PROGRAM







# MINGGU 13 – KONEKSI VB.NET-MYSQL (DATABASE #2)

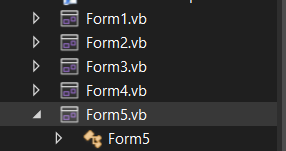
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

NO ABSEN : 12

KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM



C. KODE PROGRAM

Imports MySql.Data.MySqlClient

Public Class Form5

Sub Bersih()

txtKodePinjam.Text = ""

txtIDAnggota.Text = ""

txtNamaAnggota.Text = ""

txtNoTelp.Text = ""

DGVPinjam.ClearSelection()

End Sub

Sub aktif()

txtKodePinjam.Enabled = True

txtIDAnggota.Enabled = True

txtNamaAnggota.Enabled = True

txtNoTelp.Enabled = True

btnTambah.Text = "BATAL"

btnSimpan.Enabled = True

DGVPinjam.Enabled = True

btnKeluar.Enabled = False

End Sub

Sub NonAktif()

txtKodePinjam.Enabled = False

txtIDAnggota.Enabled = False

txtNamaAnggota.Enabled = False

txtNoTelp.Enabled = False

DGVPinjam.Enabled = False

btnTambah.Text = "TAMBAH"

btnSimpan.Enabled = False

btnKeluar.Enabled = True

End Sub

Sub AturLebarGrid()

DGVPinjam.Columns(0).Width = 50

DGVPinjam.Columns(1).Width = 200

DGVPinjam.Columns(2).Width = 100

DGVPinjam.Columns(3).Width = 100

End Sub

Sub BuatKolomBaru()

DGVPinjam.Columns.Add("Kode", "Kode Buku")

DGVPinjam.Columns.Add("Judul", "Judul Buku")

DGVPinjam.Columns.Add("Pengarang", "Pengarang")

DGVPinjam.Columns.Add("Penerbit", "Penerbit")

Call AturLebarGrid()

End Sub

Private Sub KodePinjamOtomatis()

Call koneksi()

CMD = New MySqlCommand("select \* from tbpinjam where KodePinjam in (select max(KodePinjam) from tbpinjam) order by KodePinjam desc", CONN)

Dim urutan As String

Dim hitung As Long

RD = CMD.ExecuteReader

RD.Read()

If Not RD.HasRows Then

urutan = "PJM" + "0001"

Else

hitung = Microsoft.VisualBasic.Right(RD.GetString(0), 4) + 1

urutan = "PJM" + Microsoft.VisualBasic.Right("0000" & hitung, 4)

End If

txtKodePinjam.Text = urutan

End Sub

Private Sub Form5\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Call BuatKolomBaru()

Call NonAktif()

DTPinjam.Value = Today

End Sub

Private Sub txtIDAnggota\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtIDAnggota.KeyPress

Call koneksi()

If e.KeyChar = Chr(13) Then

CMD = New MySqlCommand("select \* from tbanggota where IDAnggota = '" & txtIDAnggota.Text & "'", CONN)

RD = CMD.ExecuteReader

RD.Read()

If RD.HasRows Then

txtNamaAnggota.Text = RD.GetString(1)

txtNoTelp.Text = RD.GetString(3)

DGVPinjam.Focus()

Else

MessageBox.Show("Maaf, ID tidak terdaftar", "PERINGATAN", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

txtIDAnggota.Text = ""

txtNamaAnggota.Text = ""

txtNoTelp.Text = ""

txtIDAnggota.Focus()

End If

End If

End Sub

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

If btnTambah.Text = "TAMBAH" Then

Call BuatKolomBaru()

Call Bersih()

Call aktif()

Call KodePinjamOtomatis()

txtIDAnggota.Focus()

Else

Call BuatKolomBaru()

Call Bersih()

Call NonAktif()

DGVPinjam.Columns.Clear()

End If

End Sub

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

Me.Close()

End Sub

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

Call koneksi()

If txtIDAnggota.Text = "" Or txtNamaAnggota.Text = "" Or txtNoTelp.Text = "" Then

MessageBox.Show("Data belum lengkap", "PERINGATAN",

MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Else

'menyimpan ke tbpinjam

Dim SimpanPinjam As String = "insert into tbpinjam(Kodepinjam,IDAnggota,TanggalPinjam) values ('" & txtKodePinjam.Text & "', '" & txtIDAnggota.Text & "', '" & Format(DTPinjam.Value, "yyyy-MM-dd") & "')"

CMD = New MySqlCommand(SimpanPinjam, CONN)

CMD.ExecuteNonQuery()

'menyimpan ke tbdetilpinjam

For baris As Integer = 0 To DGVPinjam.Rows.Count - 2

Dim SQLSimpan As String = "insert into tbdetilpinjam(KodePinjam,KodeBuku) values('" & txtKodePinjam.Text & "', '" & DGVPinjam.Rows(baris).Cells(0).Value & "')"

CMD = New MySqlCommand(SQLSimpan, CONN)

CMD.ExecuteNonQuery()

Next baris

MessageBox.Show("Data telah disimpan", "INFORMASI", MessageBoxButtons.OK, MessageBoxIcon.Information)

DGVPinjam.Columns.Clear()

Call BuatKolomBaru()

Call Bersih()

Call NonAktif()

End If

End Sub

Private Sub DGVPinjam\_CellEndEdit(sender As Object, e As DataGridViewCellEventArgs) Handles DGVPinjam.CellEndEdit

Call koneksi()

CMD = New MySqlCommand("select \* from tbbuku where KodeBuku = '" & DGVPinjam.Rows(e.RowIndex).Cells(0).Value & "'", CONN)

RD = CMD.ExecuteReader

RD.Read()

If RD.HasRows Then

DGVPinjam.Rows(e.RowIndex).Cells(1).Value = RD.Item(1)

DGVPinjam.Rows(e.RowIndex).Cells(2).Value = RD.Item(2)

DGVPinjam.Rows(e.RowIndex).Cells(3).Value = RD.Item(3)

Else

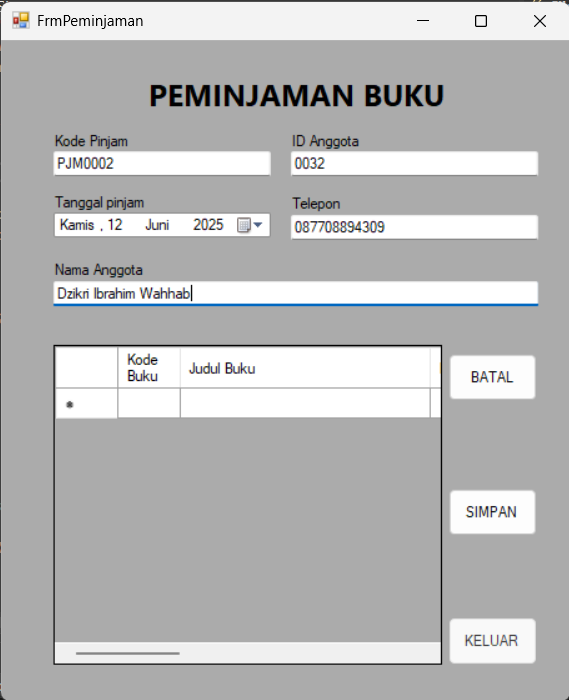
MessageBox.Show("Maaf buku tidak terdaftar", "PERINGATAN !", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

End If

End Sub

End Class

D. RUN PROGRAM



# MINGGU 14 – REPORTING (BAGIAN #1)

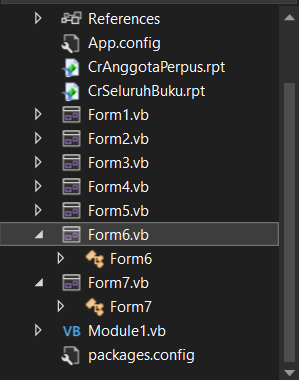
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

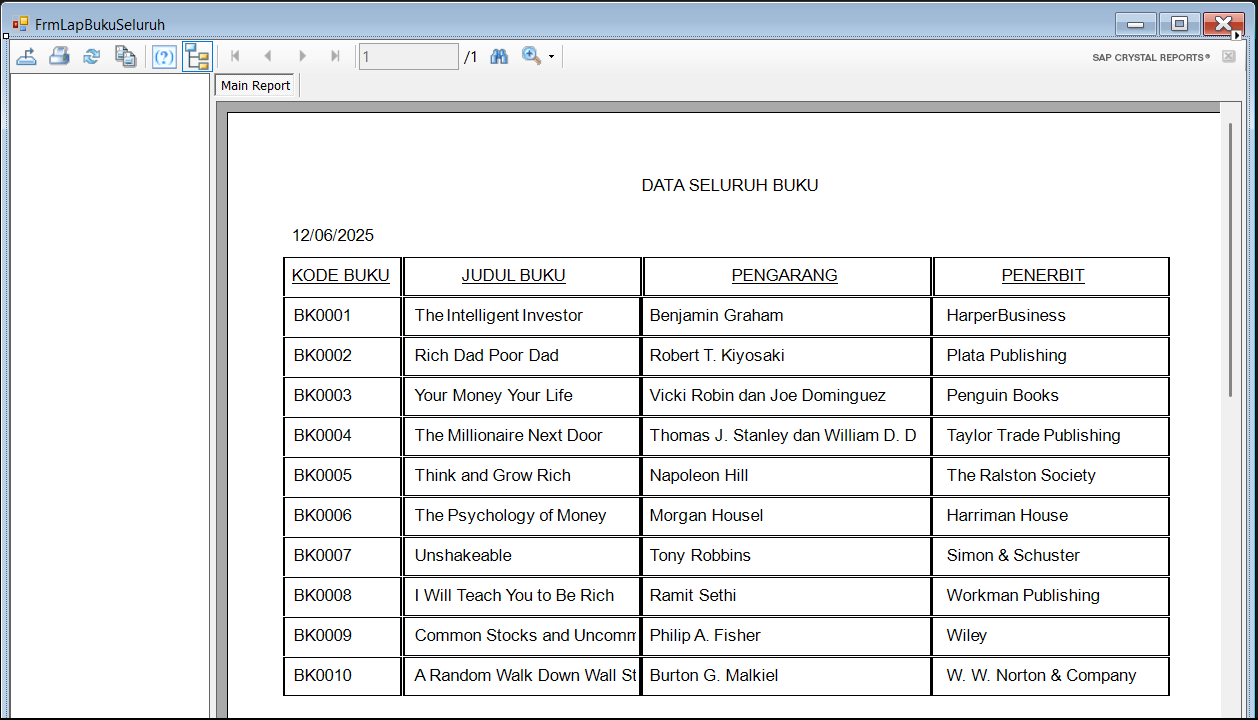
NO ABSEN : 12

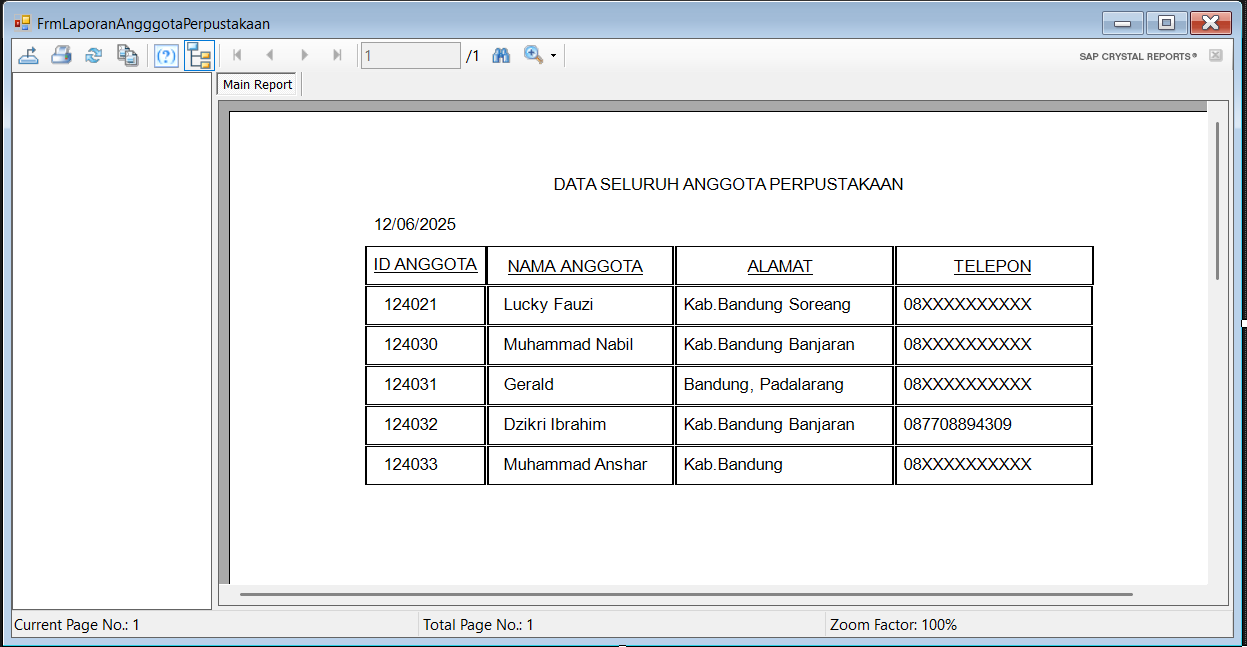
KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM





# MINGGU 15 – REPORTING (BAGIAN #2)

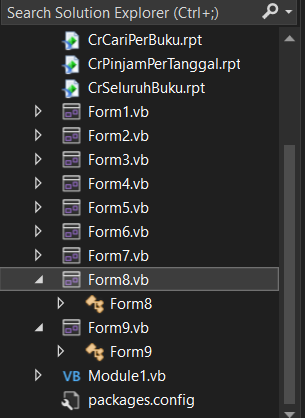
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

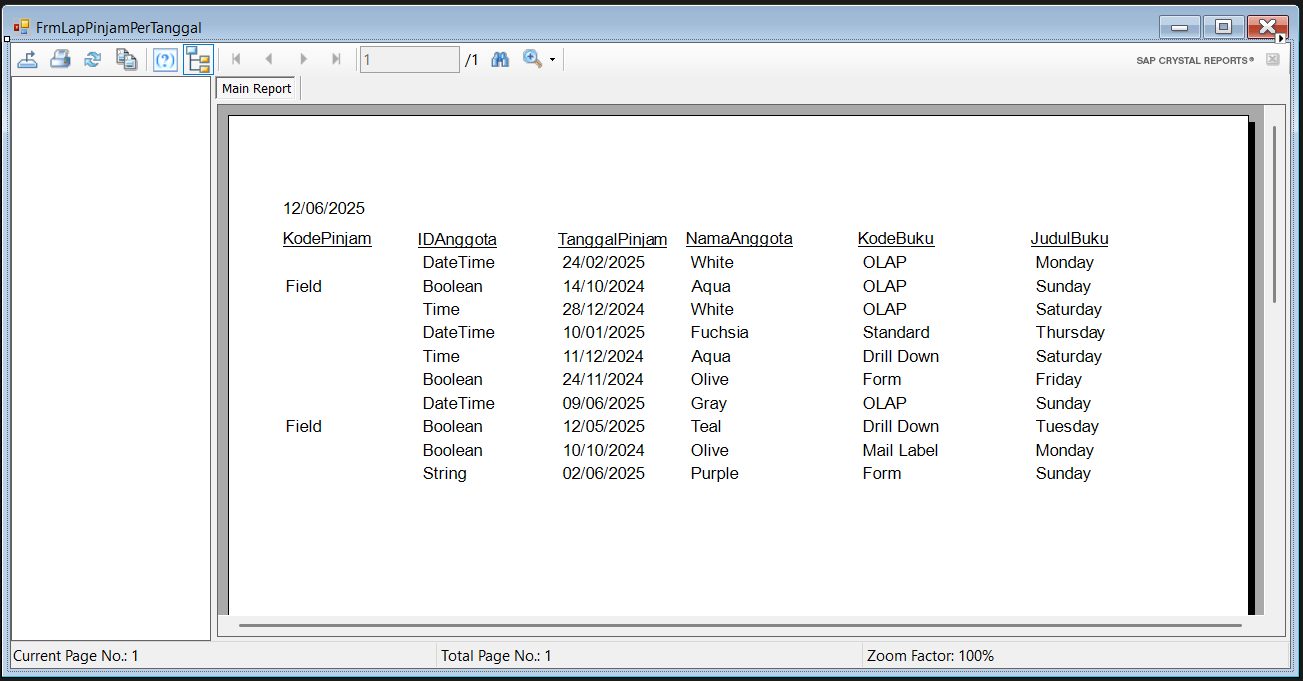
NO ABSEN : 12

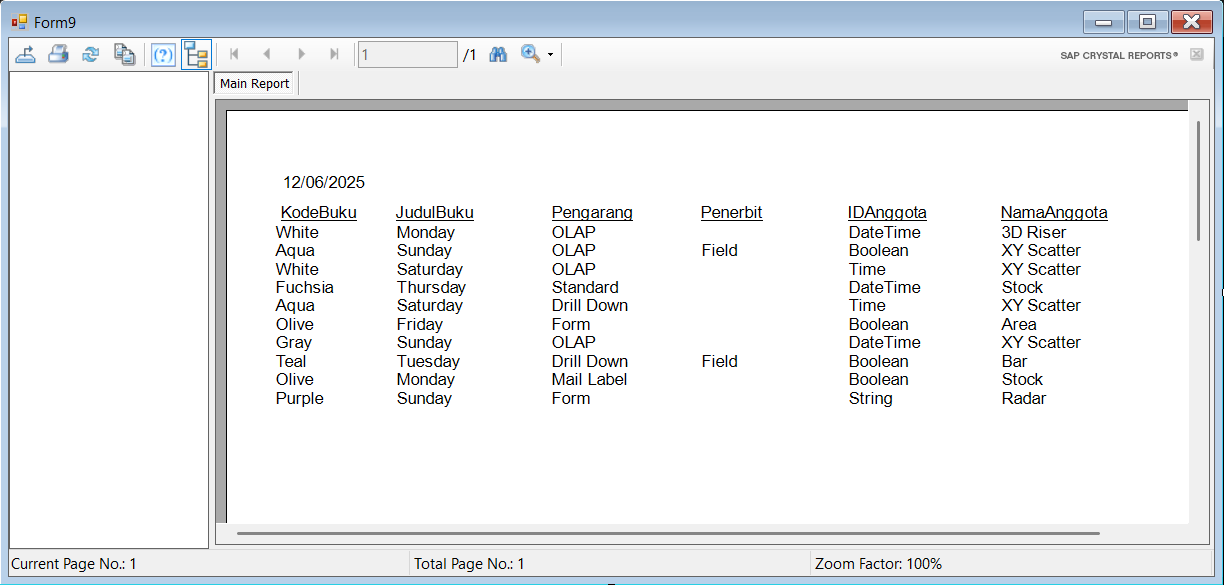
KELAS : IF1B

A. STRUKTUR PROJECT



B. DESAIN FORM





# MINGGU 16 – UAS (APLIKASI RENTAL KENDARAAN)

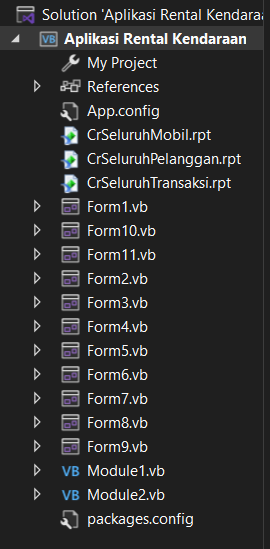
NAMA : Dzikri Ibrahim Wahhab

NPM : 124111032

NO ABSEN : 12

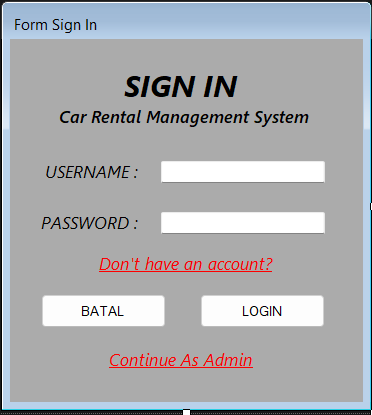
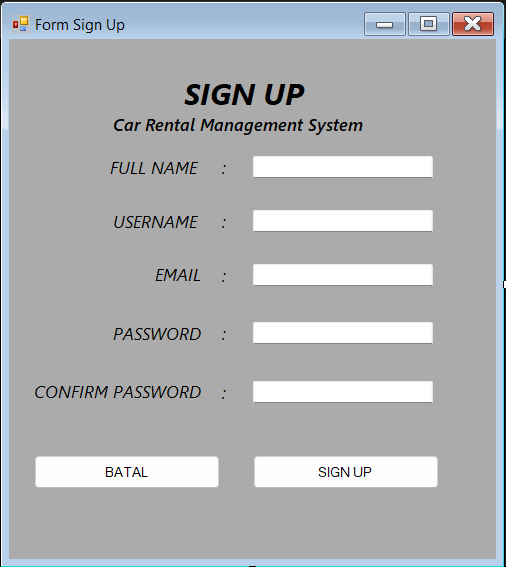
KELAS : IF1B

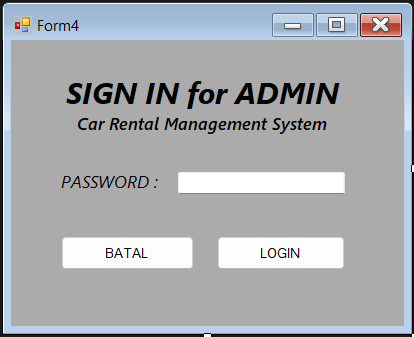
A. STRUKTUR PROJECT

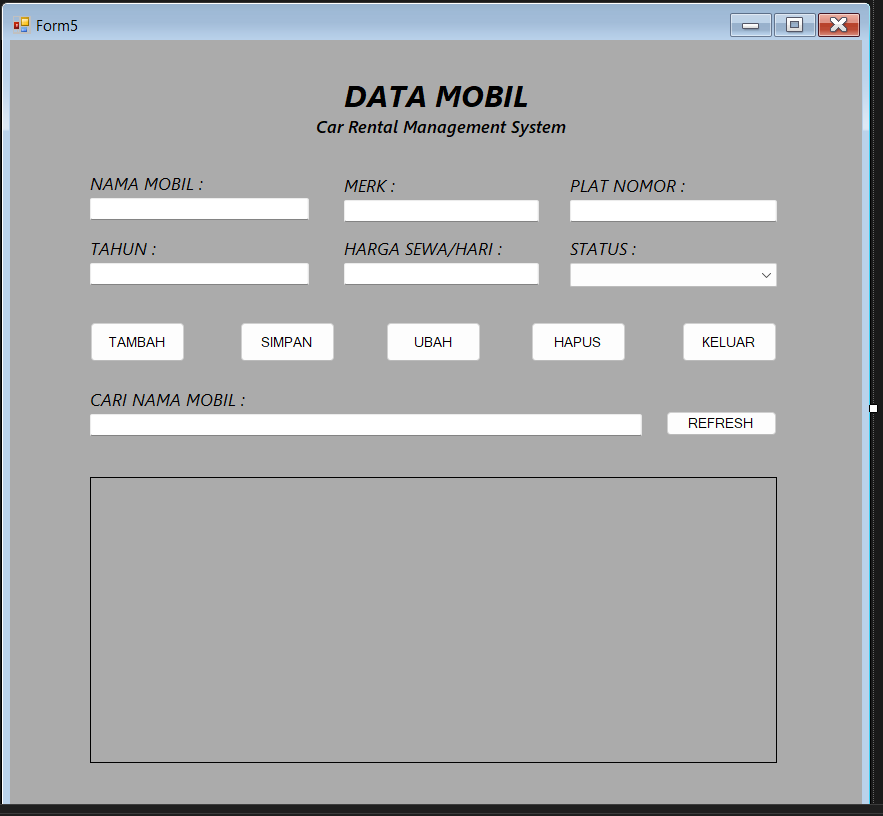


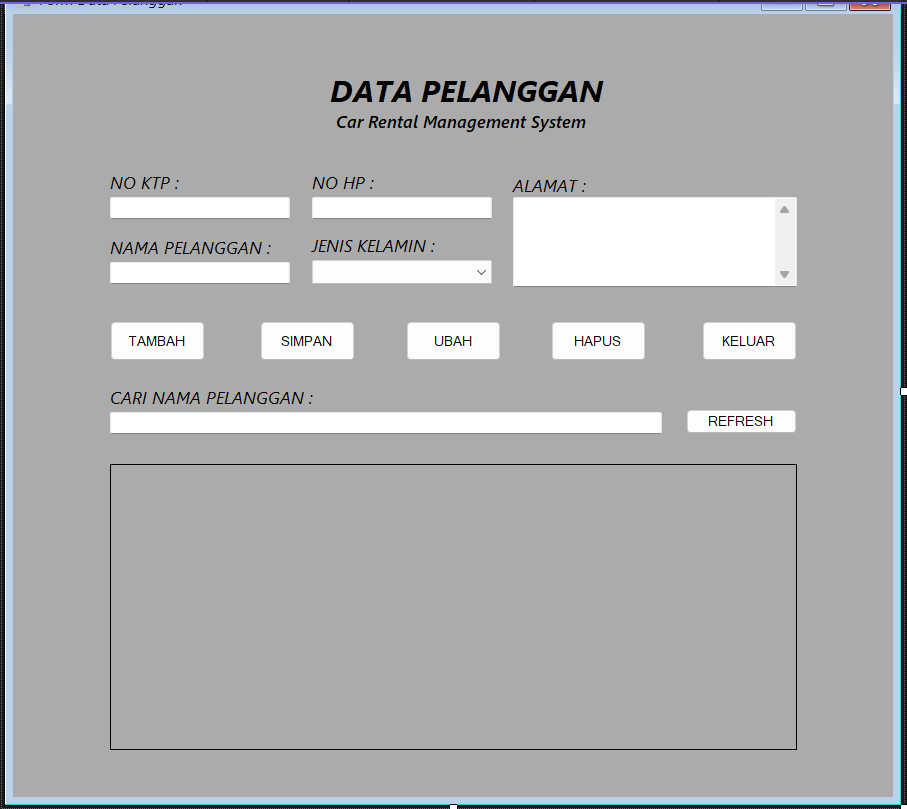
B. DESAIN FORM





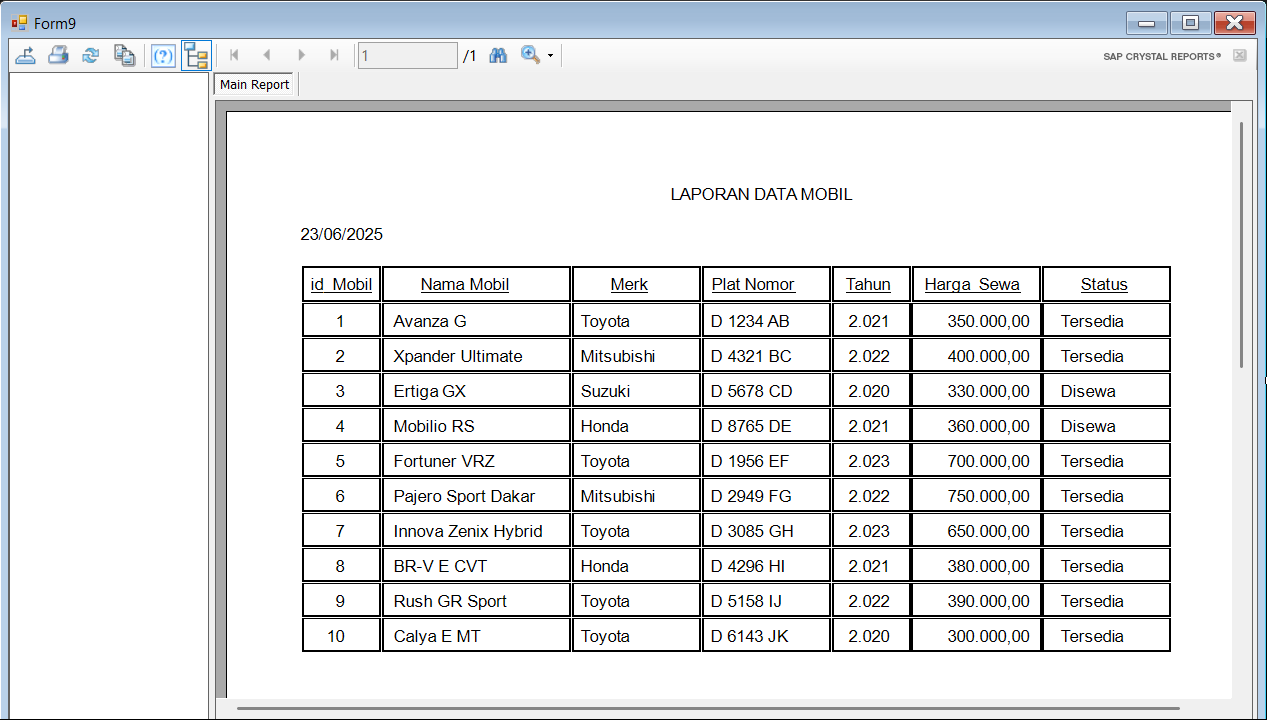


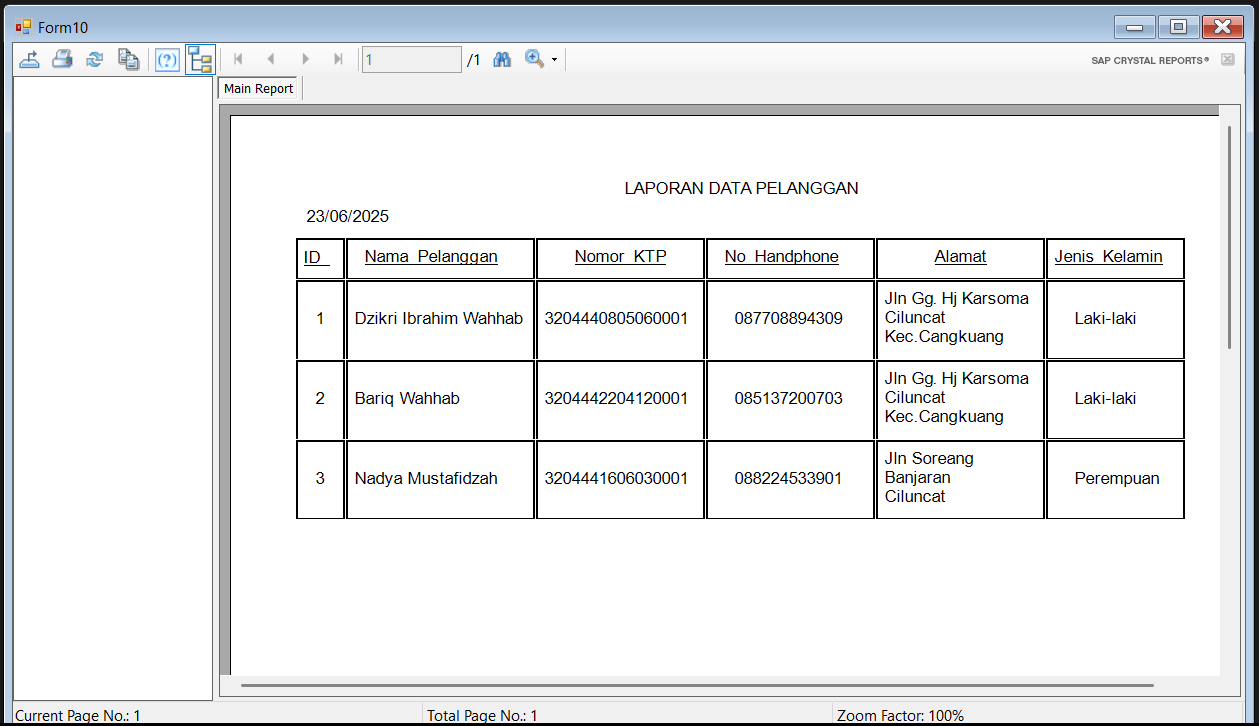


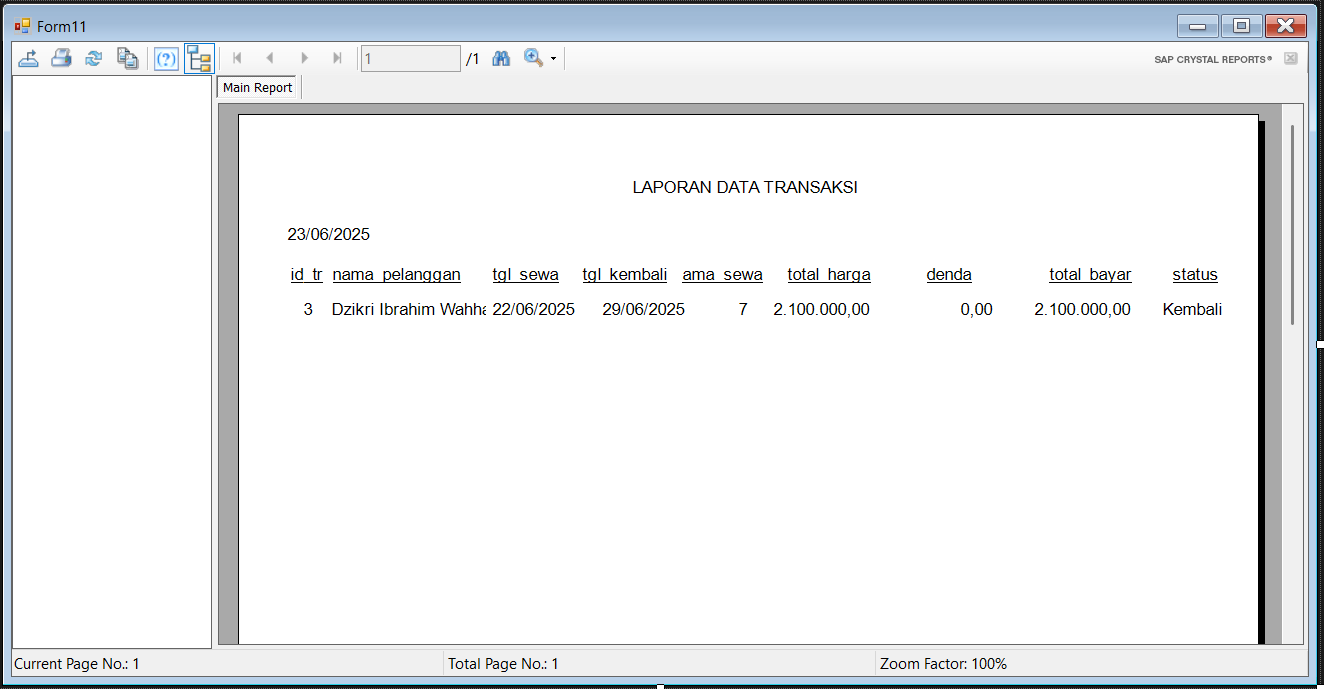












C. KODE PROGRAM

**FORM1 / MENU UTAMA**

Imports Google.Protobuf.WellKnownTypes

Public Class Form1

Private Sub LoginToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles LoginToolStripMenuItem.Click

Form5.Show()

End Sub

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

Form6.Show()

End Sub

Private Sub TransaksiSewaToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles TransaksiSewaToolStripMenuItem.Click

Form7.Show()

End Sub

Private Sub TransaksiPengembalianToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles TransaksiPengembalianToolStripMenuItem.Click

Form8.Show()

End Sub

Private Sub KELUARToolStripMenuItem1\_Click(sender As Object, e As EventArgs) Handles KELUARToolStripMenuItem1.Click

Application.Exit()

End Sub

Private Sub LOGOUTToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles LOGOUTToolStripMenuItem.Click

' Tombol Logout

Dim confirm As DialogResult = MessageBox.Show("Apakah Anda yakin ingin logout?", "Logout", MessageBoxButtons.YesNo, MessageBoxIcon.Question)

If confirm = DialogResult.Yes Then

' Logout langsung, karena transaksi sudah terekam saat sewa

Me.Hide()

Form2.Show()

Form2.txtUsername.Clear()

Form2.txtPassword.Clear()

Form2.txtUsername.Focus()

End If

End Sub

Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

If Module2.LoggedInRole = "customer" Then

' Sembunyikan fitur admin

DataMobilToolStripMenuItem.Visible = False

DataPelangganToolStripMenuItem.Visible = False

CetakToolStripMenuItem.Visible = False

TransaksiPengembalianToolStripMenuItem.Visible = False

End If

CenterPanel()

End Sub

Private Sub Form1\_Resize(sender As Object, e As EventArgs) Handles Me.Resize

CenterPanel()

End Sub

Private Sub DataMobilToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DataMobilToolStripMenuItem.Click

Form9.Show()

End Sub

Private Sub DataPelangganToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DataPelangganToolStripMenuItem.Click

Form10.Show()

End Sub

Private Sub DataTransaksiToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DataTransaksiToolStripMenuItem.Click

Form11.Show()

End Sub

Private Sub CenterPanel()

Panel1.Left = (Me.ClientSize.Width - Panel1.Width) \ 2

Panel1.Top = (Me.ClientSize.Height - Panel1.Height) \ 2

End Sub

End Class

**FORM2 / LOGIN USERS / SIGN IN USERS**

Imports MySql.Data.MySqlClient

Public Class Form2

Private Sub txtUsername\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtUsername.KeyPress

If e.KeyChar = Chr(13) Then txtPassword.Focus()

End Sub

Private Sub txtPassword\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtPassword.KeyPress

If e.KeyChar = Chr(13) Then btnLogin.PerformClick()

End Sub

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

If txtUsername.Text.Trim = "" Or txtPassword.Text.Trim = "" Then

MessageBox.Show("Username dan Password wajib diisi.", "Peringatan",

MessageBoxButtons.OK, MessageBoxIcon.Warning)

Exit Sub

End If

Try

Call koneksi()

Dim sql As String = "

SELECT \* FROM tb\_users

WHERE username=@user AND password=@pass AND role='customer' "

CMD = New MySqlCommand(sql, CONN)

CMD.Parameters.AddWithValue("@user", txtUsername.Text.Trim)

CMD.Parameters.AddWithValue("@pass", txtPassword.Text.Trim)

RD = CMD.ExecuteReader()

If RD.HasRows Then

RD.Read()

Module2.LoggedInUsername = RD("username").ToString()

Module2.LoggedInRole = RD("role").ToString()

RD.Close()

MessageBox.Show("Login berhasil!", "Info",

MessageBoxButtons.OK, MessageBoxIcon.Information)

Me.Hide()

Form1.Show()

Else

RD.Close()

MessageBox.Show("Username atau password salah!",

"Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Error)

txtUsername.Clear()

txtPassword.Clear()

txtUsername.Focus()

End If

Catch ex As Exception

MessageBox.Show("Terjadi kesalahan: " & ex.Message, "Error",

MessageBoxButtons.OK, MessageBoxIcon.Error)

Finally

If CONN.State = ConnectionState.Open Then CONN.Close()

End Try

End Sub

Private Sub Label4\_Click(sender As Object, e As EventArgs) Handles Label4.Click

Me.Hide()

Form3.Show()

End Sub

Private Sub Label5\_Click(sender As Object, e As EventArgs) Handles Label5.Click

Me.Hide()

Form4.Show()

End Sub

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

Application.Exit()

End Sub

End Class

**FORM 3 / REGISTER ACCOUNT / SIGN UP**

Imports MySql.Data.MySqlClient

Public Class Form3

Private Sub btnSignUp\_Click(sender As Object, e As EventArgs) Handles btnSignUp.Click

' Validasi awal

If txtFullName.Text.Trim() = "" Or txtUsername.Text.Trim() = "" Or txtEmail.Text.Trim() = "" Or txtPassword.Text = "" Or txtConfirm.Text = "" Then

MessageBox.Show("Semua field wajib diisi!", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Warning)

Exit Sub

End If

' Validasi password cocok

If txtPassword.Text <> txtConfirm.Text Then

MessageBox.Show("Password dan Konfirmasi Password tidak cocok!", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtPassword.Clear()

txtConfirm.Clear()

txtPassword.Focus()

Exit Sub

End If

Try

Call koneksi()

' Cek apakah username sudah ada

CMD = New MySqlCommand("SELECT COUNT(\*) FROM tb\_users WHERE username = @username", CONN)

CMD.Parameters.AddWithValue("@username", txtUsername.Text.Trim())

Dim count As Integer = Convert.ToInt32(CMD.ExecuteScalar())

If count > 0 Then

MessageBox.Show("Username sudah digunakan. Silakan pilih username lain.", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Warning)

txtUsername.Focus()

Exit Sub

End If

' Simpan ke database

CMD = New MySqlCommand("INSERT INTO tb\_users (full\_name, username, password, email, role) VALUES (@full\_name, @username, @password, @email, 'customer')", CONN)

CMD.Parameters.AddWithValue("@full\_name", txtFullName.Text.Trim())

CMD.Parameters.AddWithValue("@username", txtUsername.Text.Trim())

CMD.Parameters.AddWithValue("@password", txtPassword.Text) ' Bisa kamu hash jika mau

CMD.Parameters.AddWithValue("@email", txtEmail.Text.Trim())

CMD.ExecuteNonQuery()

MessageBox.Show("Registrasi berhasil! Silakan login.", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

' Kosongkan form & tutup

txtFullName.Clear()

txtUsername.Clear()

txtPassword.Clear()

txtConfirm.Clear()

txtEmail.Clear()

Me.Close()

Form2.Show() ' balik ke login

Catch ex As Exception

MessageBox.Show("Terjadi kesalahan: " & ex.Message, "ERROR", MessageBoxButtons.OK, MessageBoxIcon.Error)

Finally

If CONN.State = ConnectionState.Open Then

CONN.Close()

End If

End Try

End Sub

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

Me.Close()

Form2.Show() ' Kembali ke login

End Sub

End Class

**FORM4 / LOGIN ADMIN / SIGN IN ADMIN**

Imports MySql.Data.MySqlClient

Public Class Form4

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

If txtPassword.Text.Trim() = "" Then

MessageBox.Show("Password belum diisi!", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Warning)

Exit Sub

End If

Try

Call koneksi()

CMD = New MySqlCommand("SELECT \* FROM tb\_users WHERE password = @pw AND role = 'admin' LIMIT 1", CONN)

CMD.Parameters.AddWithValue("@pw", txtPassword.Text.Trim())

RD = CMD.ExecuteReader()

If RD.HasRows Then

RD.Read()

MessageBox.Show("Selamat datang Admin " & RD("full\_name"), "Login Berhasil", MessageBoxButtons.OK, MessageBoxIcon.Information)

RD.Close()

Me.Hide()

Form1.Show() 'Ganti dengan form utama admin kamu

Else

MessageBox.Show("Password salah atau bukan admin!", "Login Gagal", MessageBoxButtons.OK, MessageBoxIcon.Error)

txtPassword.Clear()

txtPassword.Focus()

RD.Close()

End If

Catch ex As Exception

MessageBox.Show("Terjadi kesalahan: " & ex.Message, "Error", MessageBoxButtons.OK, MessageBoxIcon.Error)

Finally

If CONN.State = ConnectionState.Open Then CONN.Close()

End Try

End Sub

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

Me.Close()

End Sub

Private Sub txtPassword\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtPassword.KeyPress

If e.KeyChar = Chr(13) Then

btnLogin.PerformClick()

End If

End Sub

Private Sub Form4\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

End Sub

End Class

**FORM5 / FORM DATA MOBIL**

Imports MySql.Data.MySqlClient

Imports Org.BouncyCastle.Asn1.Cmp

Public Class Form5

Sub TampilDataGrid()

DA = New MySqlDataAdapter("select \* from tb\_mobil", CONN)

DS = New DataSet

DA.Fill(DS, "tb\_mobil")

DGVDataMobil.DataSource = (DS.Tables("tb\_mobil"))

End Sub

Sub AturHakAkses()

If Module2.LoggedInRole = "customer" Then

btnTambah.Enabled = False

btnUbah.Enabled = False

btnHapus.Enabled = False

DGVDataMobil.ReadOnly = True

End If

End Sub

Sub Aktif()

txtNamaMobil.Enabled = True

txtMerk.Enabled = True

txtTahun.Enabled = True

txtPlat.Enabled = True

txtHarga.Enabled = True

cbStatus.Enabled = True

btnSimpan.Enabled = True

btnTambah.Text = "BATAL"

txtNamaMobil.Focus()

End Sub

Sub Bersih()

txtNamaMobil.Text = ""

txtMerk.Text = ""

txtTahun.Text = ""

txtPlat.Text = ""

txtHarga.Text = ""

cbStatus.SelectedIndex = -1

txtCari.Text = ""

End Sub

Sub NonAktif()

txtNamaMobil.Enabled = False

txtMerk.Enabled = False

txtTahun.Enabled = False

txtPlat.Enabled = False

txtHarga.Enabled = False

cbStatus.Enabled = False

btnHapus.Enabled = False

btnSimpan.Enabled = False

btnUbah.Enabled = False

btnTambah.Text = "TAMBAH"

End Sub

Private Sub Form5\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Call koneksi()

Call TampilDataGrid()

Call NonAktif()

DGVDataMobil.ReadOnly = True

cbStatus.Items.Clear()

cbStatus.Items.Add("Tersedia")

cbStatus.Items.Add("Disewa")

Call AturHakAkses()

End Sub

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

If btnTambah.Text = "TAMBAH" Then

Call Bersih()

Call Aktif()

Call TampilDataGrid()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End Sub

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

If txtNamaMobil.Text = "" Or txtMerk.Text = "" Or txtTahun.Text = "" Or txtPlat.Text = "" Or txtHarga.Text = "" Then

MessageBox.Show("Data Harus Diisi!",

"Informasi", MessageBoxButtons.OK,

MessageBoxIcon.Exclamation)

Else

Dim SQLSimpan As String = "insert into tb\_mobil(nama\_mobil,merk,tahun,plat\_nomor,harga\_sewa) values('" & txtNamaMobil.Text & "','" & txtMerk.Text & "','" & txtTahun.Text & "','" & txtPlat.Text & "','" & txtHarga.Text & "')"

CMD = New MySqlCommand(SQLSimpan, CONN)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Sudah Disimpan", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End If

End Sub

Private Sub DGVDataMobil\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DGVDataMobil.CellContentClick

If Module2.LoggedInRole = "customer" Then Exit Sub

Dim baris As Integer

With DGVDataMobil

baris = .CurrentRow.Index

txtNamaMobil.Text = .Item(1, baris).Value

txtMerk.Text = .Item(2, baris).Value

txtPlat.Text = .Item(3, baris).Value

txtTahun.Text = .Item(4, baris).Value

txtHarga.Text = Val(.Item(5, baris).Value)

cbStatus.Text = .Item(6, baris).Value

End With

btnUbah.Enabled = True

btnHapus.Enabled = True

Call Aktif()

btnSimpan.Enabled = False

End Sub

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

Me.Close()

End Sub

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

Dim DialogDelete = MessageBox.Show("Apakah Anda yakin ingin menghapus data ini?", "Konfirmasi Hapus", MessageBoxButtons.YesNo)

If txtNamaMobil.Text = "" Then

MessageBox.Show("Pilih Kode Barang dengan Benar", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Exit Sub

Else

If DialogDelete = DialogResult.Yes Then

CMD = New MySqlCommand("Delete from tb\_mobil where nama\_mobil = '" & txtNamaMobil.Text & "'", CONN)

CMD.ExecuteNonQuery()

Call Bersih()

Call TampilDataGrid()

Call NonAktif()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End If

End Sub

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

If txtNamaMobil.Text = "" Or txtMerk.Text = "" Or txtTahun.Text = "" Or txtPlat.Text = "" Or txtHarga.Text = "" Then

MessageBox.Show("Data Harus Diisi!", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Else

Dim SQLUpdate As String = "update tb\_mobil set nama\_mobil = '" & txtNamaMobil.Text & "', merk = '" & txtMerk.Text & "', tahun = '" & txtTahun.Text & "', plat\_nomor = '" & txtPlat.Text & "', harga\_sewa = '" & txtHarga.Text & "' where nama\_mobil = '" & txtNamaMobil.Text & "'"

CMD = New MySqlCommand(SQLUpdate, CONN)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Telah Diubah", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End If

End Sub

Private Sub btnRefresh\_Click(sender As Object, e As EventArgs) Handles btnRefresh.Click

Call TampilDataGrid()

txtCari.Text = ""

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

Dim tables As DataTableCollection = DS.Tables

Dim source1 As New BindingSource

DA = New MySqlDataAdapter("select \* from tb\_mobil where nama\_mobil like '%" & txtCari.Text & "%'", CONN)

DS = New DataSet

DA.Fill(DS, "tb\_mobil")

DGVDataMobil.DataSource = DS.Tables("tb\_mobil")

End Sub

Private Sub txtTahun\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtTahun.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

End Sub

Private Sub txtHarga\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtHarga.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

End Sub

End Class

**FORM6 / FORM DATA PELANGGAN**

Imports MySql.Data.MySqlClient

Public Class Form6

Public role As String

Sub TampilDataGrid()

DA = New MySqlDataAdapter("select \* from tb\_pelanggan", CONN)

DS = New DataSet

DA.Fill(DS, "tb\_pelanggan")

DGVDataPelanggan.DataSource = (DS.Tables("tb\_pelanggan"))

End Sub

Sub AturHakAkses()

If role = "admin" Then

DGVDataPelanggan.Enabled = True

btnTambah.Enabled = True

btnUbah.Enabled = True

btnHapus.Enabled = True

ElseIf role = "user" Then

DGVDataPelanggan.Enabled = False

btnTambah.Enabled = False

btnUbah.Enabled = False

btnHapus.Enabled = False

End If

End Sub

Sub Aktif()

txtKTP.Enabled = True

txtNama.Enabled = True

txtNoHP.Enabled = True

txtAlamat.Enabled = True

cbJenis.Enabled = True

btnSimpan.Enabled = True

btnTambah.Text = "BATAL"

txtKTP.Focus()

End Sub

Sub Bersih()

txtKTP.Text = ""

txtNama.Text = ""

txtNoHP.Text = ""

txtAlamat.Text = ""

cbJenis.SelectedIndex = -1

txtCari.Text = ""

End Sub

Sub NonAktif()

txtKTP.Enabled = False

txtNama.Enabled = False

txtNoHP.Enabled = False

txtAlamat.Enabled = False

cbJenis.Enabled = False

btnHapus.Enabled = False

btnSimpan.Enabled = False

btnUbah.Enabled = False

btnTambah.Text = "TAMBAH"

End Sub

Private Sub Form5\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Call koneksi()

Call TampilDataGrid()

Call NonAktif()

DGVDataPelanggan.ReadOnly = True

cbJenis.Items.Clear()

cbJenis.Items.Add("Laki-laki")

cbJenis.Items.Add("Perempuan")

Call AturHakAkses()

End Sub

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

If Module2.LoggedInRole = "customer" Then Exit Sub

If btnTambah.Text = "TAMBAH" Then

Call Bersih()

Call Aktif()

Call TampilDataGrid()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End Sub

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

If txtKTP.Text = "" Or txtNoHP.Text = "" Or txtNama.Text = "" Or txtAlamat.Text = "" Or cbJenis.Text = "" Then

MessageBox.Show("Data Harus Diisi!", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Exit Sub

End If

Dim SQLSimpan As String = "INSERT INTO tb\_pelanggan(no\_ktp, no\_hp, nama\_pelanggan, alamat, jenis\_kelamin) " &

"VALUES(@ktp, @hp, @nama, @alamat, @jk)"

CMD = New MySqlCommand(SQLSimpan, CONN)

CMD.Parameters.AddWithValue("@ktp", txtKTP.Text)

CMD.Parameters.AddWithValue("@hp", txtNoHP.Text)

CMD.Parameters.AddWithValue("@nama", txtNama.Text)

CMD.Parameters.AddWithValue("@alamat", txtAlamat.Text)

CMD.Parameters.AddWithValue("@jk", cbJenis.Text)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Sudah Disimpan", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End Sub

Private Sub DGVDataMobil\_CellContentClick(sender As Object, e As DataGridViewCellEventArgs) Handles DGVDataPelanggan.CellContentClick

If Module2.LoggedInRole = "customer" Then Exit Sub

Dim baris As Integer

With DGVDataPelanggan

baris = .CurrentRow.Index

txtNama.Text = .Item(1, baris).Value

txtKTP.Text = .Item(2, baris).Value

txtNoHP.Text = .Item(3, baris).Value

txtAlamat.Text = .Item(4, baris).Value

cbJenis.Text = .Item(5, baris).Value

End With

btnUbah.Enabled = True

btnHapus.Enabled = True

Call Aktif()

btnSimpan.Enabled = False

End Sub

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

Me.Close()

End Sub

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

Dim DialogDelete = MessageBox.Show("Apakah Anda yakin ingin menghapus data ini?", "Konfirmasi Hapus", MessageBoxButtons.YesNo)

If txtKTP.Text = "" Then

MessageBox.Show("Pilih Kode Barang dengan Benar", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Exit Sub

Else

If DialogDelete = DialogResult.Yes Then

CMD = New MySqlCommand("Delete from tb\_pelanggan where no\_ktp = '" & txtKTP.Text & "'", CONN)

CMD.ExecuteNonQuery()

Call Bersih()

Call TampilDataGrid()

Call NonAktif()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End If

End Sub

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

If txtKTP.Text = "" Or txtNoHP.Text = "" Or txtNama.Text = "" Or txtAlamat.Text = "" Then

MessageBox.Show("Data Harus Diisi!", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Exclamation)

Else

Dim SQLUpdate As String = "UPDATE tb\_pelanggan SET no\_ktp = @ktp, no\_hp = @hp, nama\_pelanggan = @nama, alamat = @alamat, jenis\_kelamin = @jk WHERE no\_ktp = @ktp"

CMD = New MySqlCommand(SQLUpdate, CONN)

CMD.Parameters.AddWithValue("@ktp", txtKTP.Text)

CMD.Parameters.AddWithValue("@hp", txtNoHP.Text)

CMD.Parameters.AddWithValue("@nama", txtNama.Text)

CMD.Parameters.AddWithValue("@alamat", txtAlamat.Text)

CMD.Parameters.AddWithValue("@jk", cbJenis.Text)

CMD.ExecuteNonQuery()

MessageBox.Show("Data Telah Diubah", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Call TampilDataGrid()

Call NonAktif()

Call Bersih()

End If

End Sub

Private Sub btnRefresh\_Click(sender As Object, e As EventArgs) Handles btnRefresh.Click

Call TampilDataGrid()

txtCari.Text = ""

End Sub

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

Dim tables As DataTableCollection = DS.Tables

Dim source1 As New BindingSource

DA = New MySqlDataAdapter("select \* from tb\_pelanggan where nama\_pelanggan like '%" & txtCari.Text & "%'", CONN)

DS = New DataSet

DA.Fill(DS, "tb\_pelanggan")

DGVDataPelanggan.DataSource = DS.Tables("tb\_pelanggan")

End Sub

Private Sub txtKTP\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtKTP.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

End Sub

Private Sub txtNoHP\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtNoHP.KeyPress

If Not ((e.KeyChar >= "0" And e.KeyChar <= "9") Or

e.KeyChar = vbBack) Then

e.Handled() = True

End If

End Sub

End Class

**FORM7 / FORM SEWA**

Imports MySql.Data.MySqlClient

Public Class Form7

Dim selectedMobilId As Integer

Dim selectedPelangganId As Integer

Public role As String ' "Admin" or "User"

Sub TampilDataGrid()

DA = New MySqlDataAdapter("select \* from tb\_transaksi", CONN)

DS = New DataSet

DA.Fill(DS, "tb\_transaksi")

DGVSewaKendaraan.DataSource = (DS.Tables("tb\_transaksi"))

End Sub

Sub AturHakAkses()

If role = "admin" Then

DGVSewaKendaraan.Enabled = True

btnUbah.Enabled = True

btnHapus.Enabled = True

ElseIf role = "user" Then

DGVSewaKendaraan.Enabled = False

btnUbah.Enabled = False

btnHapus.Enabled = False

End If

End Sub

Sub Aktif()

cbPelanggan.Enabled = True

cbMobil.Enabled = True

txtLamaSewa.Enabled = True

txtPlat.Enabled = True

txtHarga.Enabled = True

txtTotal.Enabled = True

dtpSewa.Enabled = True

dtpKembali.Enabled = True

btnSimpan.Enabled = True

btnTambah.Text = "BATAL"

cbPelanggan.Focus()

End Sub

Sub Bersih()

txtLamaSewa.Text = ""

txtPlat.Text = ""

txtHarga.Text = ""

txtTotal.Text = ""

cbPelanggan.SelectedIndex = -1

cbMobil.SelectedIndex = -1

End Sub

Sub NonAktif()

cbPelanggan.Enabled = False

cbMobil.Enabled = False

txtLamaSewa.Enabled = False

txtPlat.Enabled = False

txtHarga.Enabled = False

txtTotal.Enabled = False

btnHapus.Enabled = False

btnSimpan.Enabled = False

btnUbah.Enabled = False

btnTambah.Text = "TAMBAH"

End Sub

Private Sub Form7\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Call koneksi()

Call TampilDataGrid()

IsiComboPelanggan()

IsiComboMobil()

dtpSewa.Value = DateTime.Now

Call NonAktif()

'DGVSewaKendaraan.ReadOnly = True

Call AturHakAkses()

End Sub

Sub IsiComboPelanggan()

cbPelanggan.Items.Clear()

CMD = New MySqlCommand("SELECT id\_pelanggan, nama\_pelanggan FROM tb\_pelanggan", CONN)

RD = CMD.ExecuteReader()

While RD.Read()

cbPelanggan.Items.Add(RD("nama\_pelanggan").ToString())

End While

RD.Close()

End Sub

Sub IsiComboMobil()

cbMobil.Items.Clear()

CMD = New MySqlCommand("SELECT nama\_mobil FROM tb\_mobil WHERE status = 'Tersedia'", CONN)

RD = CMD.ExecuteReader()

While RD.Read()

cbMobil.Items.Add(RD("nama\_mobil").ToString())

End While

RD.Close()

End Sub

Private Sub cbPelanggan\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cbPelanggan.SelectedIndexChanged

CMD = New MySqlCommand("SELECT id\_pelanggan FROM tb\_pelanggan WHERE nama\_pelanggan = @nama", CONN)

CMD.Parameters.AddWithValue("@nama", cbPelanggan.Text)

RD = CMD.ExecuteReader()

If RD.Read() Then

selectedPelangganId = Convert.ToInt32(RD("id\_pelanggan"))

End If

RD.Close()

End Sub

Private Sub cbMobil\_SelectedIndexChanged(sender As Object, e As EventArgs) Handles cbMobil.SelectedIndexChanged

CMD = New MySqlCommand("SELECT \* FROM tb\_mobil WHERE nama\_mobil = @nama", CONN)

CMD.Parameters.AddWithValue("@nama", cbMobil.Text)

RD = CMD.ExecuteReader()

If RD.Read() Then

selectedMobilId = Convert.ToInt32(RD("id\_mobil"))

txtPlat.Text = RD("plat\_nomor").ToString()

txtHarga.Text = RD("harga\_sewa").ToString()

End If

RD.Close()

End Sub

Private Sub txtLama\_TextChanged(sender As Object, e As EventArgs) Handles txtLamaSewa.TextChanged

If IsNumeric(txtLamaSewa.Text) AndAlso IsNumeric(txtHarga.Text) Then

Dim harga As Decimal = Decimal.Parse(txtHarga.Text)

Dim lama As Integer = Integer.Parse(txtLamaSewa.Text)

txtTotal.Text = (harga \* lama).ToString("N0")

Dim tanggalSewa As Date = dtpSewa.Value

dtpKembali.Text = tanggalSewa.AddDays(lama).ToShortDateString()

Else

txtTotal.Text = ""

dtpKembali.Text = ""

End If

End Sub

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

If btnTambah.Text = "TAMBAH" Then

Call Bersih()

Call Aktif()

Call TampilDataGrid()

Else

Call NonAktif()

Call Bersih()

Call TampilDataGrid()

End If

End Sub

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

If cbPelanggan.Text = "" Or cbMobil.Text = "" Or txtLamaSewa.Text = "" Then

MessageBox.Show("Data belum lengkap.", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Warning)

Exit Sub

End If

Dim insertSQL As String = "INSERT INTO tb\_transaksi (id\_pelanggan, id\_mobil, tgl\_sewa, tgl\_kembali, lama\_sewa, harga\_per\_hari, total\_harga, denda, total\_bayar, status) " &

"VALUES (@id\_pelanggan, @id\_mobil, @tgl\_sewa, @tgl\_kembali, @lama, @harga, @totalharga, 0, @totalbayar, 'Disewa')"

CMD = New MySqlCommand(insertSQL, CONN)

CMD.Parameters.AddWithValue("@id\_pelanggan", selectedPelangganId)

CMD.Parameters.AddWithValue("@id\_mobil", selectedMobilId)

CMD.Parameters.AddWithValue("@tgl\_sewa", dtpSewa.Value.Date)

CMD.Parameters.AddWithValue("@tgl\_kembali", Date.Parse(dtpKembali.Text))

CMD.Parameters.AddWithValue("@lama", Integer.Parse(txtLamaSewa.Text))

CMD.Parameters.AddWithValue("@denda", 0)

CMD.Parameters.AddWithValue("@totalbayar", Decimal.Parse(txtTotal.Text.Replace(".", "")))

CMD.Parameters.AddWithValue("@harga", Decimal.Parse(txtHarga.Text.Replace(".", "")))

CMD.Parameters.AddWithValue("@totalharga", Decimal.Parse(txtTotal.Text.Replace(".", "")))

CMD.ExecuteNonQuery()

Dim updateSQL As String = "UPDATE tb\_mobil SET status='Disewa' WHERE id\_mobil = @idm"

CMD = New MySqlCommand(updateSQL, CONN)

CMD.Parameters.AddWithValue("@idm", selectedMobilId)

CMD.ExecuteNonQuery()

MessageBox.Show("Transaksi berhasil disimpan.", "Informasi", MessageBoxButtons.OK, MessageBoxIcon.Information)

Me.Close()

End Sub

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

If cbPelanggan.Text = "" Or cbMobil.Text = "" Or txtLamaSewa.Text = "" Then

MessageBox.Show("Data harus diisi!", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Warning)

Exit Sub

End If

Dim idTr As Integer = Convert.ToInt32(DGVSewaKendaraan.CurrentRow.Cells("id\_transaksi").Value)

Dim sql As String = "

UPDATE tb\_transaksi

SET id\_pelanggan = @pel,

id\_mobil = @mob,

lama\_sewa = @lama,

harga\_per\_hari = @harga,

total\_harga = @total

WHERE id\_transaksi = @idt"

CMD = New MySqlCommand(sql, CONN)

CMD.Parameters.AddWithValue("@pel", selectedPelangganId)

CMD.Parameters.AddWithValue("@mob", selectedMobilId)

CMD.Parameters.AddWithValue("@lama", Integer.Parse(txtLamaSewa.Text))

CMD.Parameters.AddWithValue("@harga", Decimal.Parse(txtHarga.Text.Replace(".", "")))

CMD.Parameters.AddWithValue("@total", Decimal.Parse(txtTotal.Text.Replace(".", "")))

CMD.Parameters.AddWithValue("@idt", idTr)

CMD.ExecuteNonQuery()

MessageBox.Show("Data transaksi di-update.", "Info", MessageBoxButtons.OK, MessageBoxIcon.Information)

TampilDataGrid()

NonAktif()

Bersih()

End Sub

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

If DGVSewaKendaraan.CurrentRow Is Nothing Then Exit Sub

Dim konfirm = MessageBox.Show("Hapus transaksi ini?", "Konfirmasi", MessageBoxButtons.YesNo)

If konfirm = DialogResult.No Then Exit Sub

Dim idTr As Integer = DGVSewaKendaraan.CurrentRow.Cells("id\_transaksi").Value

Dim idMob As Integer = DGVSewaKendaraan.CurrentRow.Cells("id\_mobil").Value

'1) delete transaksi

CMD = New MySqlCommand("DELETE FROM tb\_transaksi WHERE id\_transaksi=@idt", CONN)

CMD.Parameters.AddWithValue("@idt", idTr)

CMD.ExecuteNonQuery()

'2) mobil jadi tersedia

CMD = New MySqlCommand("UPDATE tb\_mobil SET status='Tersedia' WHERE id\_mobil=@idm", CONN)

CMD.Parameters.AddWithValue("@idm", idMob)

CMD.ExecuteNonQuery()

MessageBox.Show("Transaksi dihapus.", "Info")

TampilDataGrid()

NonAktif()

Bersih()

End Sub

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

Application.Exit()

End Sub

End Class

**FORM8 / FORM PENGEMBALIAN**

Imports MySql.Data.MySqlClient

Public Class Form8

Dim idTransaksi As Integer = 0

Dim idMobil As Integer = 0

Dim hargaHarian As Decimal = 0

Dim totalSewa As Decimal = 0

Const FAKTOR\_DENDA As Decimal = 1.5D

Private Sub Form8\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Call koneksi()

LoadGrid()

ClearDetail()

End Sub

'================ LOAD GRID ================

Sub LoadGrid(Optional filterNama As String = "")

Dim q As String = "

SELECT t.id\_transaksi,

p.nama\_pelanggan,

m.nama\_mobil,

t.tgl\_sewa,

t.tgl\_kembali AS tgl\_jatuh\_tempo,

t.harga\_per\_hari,

t.total\_harga,

t.id\_mobil

FROM tb\_transaksi t

JOIN tb\_pelanggan p ON t.id\_pelanggan = p.id\_pelanggan

JOIN tb\_mobil m ON t.id\_mobil = m.id\_mobil

WHERE t.status = 'Disewa' "

If filterNama.Trim <> "" Then

q &= " AND p.nama\_pelanggan LIKE @filter "

End If

DA = New MySqlDataAdapter(q, CONN)

If filterNama.Trim <> "" Then

DA.SelectCommand.Parameters.AddWithValue("@filter", "%" & filterNama & "%")

End If

DS = New DataSet

DA.Fill(DS, "trans")

DGVPengembalian.DataSource = DS.Tables("trans")

DGVPengembalian.Columns("id\_mobil").Visible = False

End Sub

'================ CLEAR DETAIL ================

Sub ClearDetail()

idTransaksi = 0 : idMobil = 0 : hargaHarian = 0 : totalSewa = 0

txtID.Clear()

txtNamaPelanggan.Clear()

txtNamaMobil.Clear()

dtpSewa.Value = Date.Today

dtpJatuhTempo.Value = Date.Today

txtDenda.Clear()

txtTotalBayar.Clear()

End Sub

'================ GRID CLICK ================

Private Sub DGVPengembalian\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DGVPengembalian.CellClick

If e.RowIndex < 0 Then Exit Sub ' header

With DGVPengembalian.Rows(e.RowIndex)

idTransaksi = .Cells("id\_transaksi").Value

idMobil = .Cells("id\_mobil").Value

txtID.Text = idTransaksi.ToString()

txtNamaPelanggan.Text = .Cells("nama\_pelanggan").Value.ToString()

txtNamaMobil.Text = .Cells("nama\_mobil").Value.ToString()

Dim tglSewa As Date = CDate(.Cells("tgl\_sewa").Value)

Dim tglTempo As Date = CDate(.Cells("tgl\_jatuh\_tempo").Value)

dtpSewa.Value = tglSewa

dtpJatuhTempo.Value = tglTempo

hargaHarian = CDec(.Cells("harga\_per\_hari").Value)

totalSewa = CDec(.Cells("total\_harga").Value)

HitungDenda() ' tampilkan denda + total

End With

End Sub

'================ HITUNG DENDA ================

Sub HitungDenda()

' Validasi: Tidak perlu cek string kosong lagi karena sudah pakai dtp

Dim jatuhTempo As Date = dtpJatuhTempo.Value.Date

Dim tanggalSewa As Date = dtpSewa.Value.Date

Dim hariTelat As Integer = DateDiff(DateInterval.Day, jatuhTempo, tanggalSewa)

If hariTelat < 0 Then hariTelat = 0

Dim denda As Decimal = hariTelat \* hargaHarian \* FAKTOR\_DENDA

txtDenda.Text = denda.ToString("N0")

Dim totalAkhir As Decimal = totalSewa + denda

txtTotalBayar.Text = totalAkhir.ToString("N0")

End Sub

Private Sub dtpKembali\_ValueChanged(sender As Object, e As EventArgs)

HitungDenda()

End Sub

'================ PROSES PENGEMBALIAN ================

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

If idTransaksi = 0 Then

MessageBox.Show("Pilih transaksi terlebih dahulu!", "Info",

MessageBoxButtons.OK, MessageBoxIcon.Information)

Exit Sub

End If

Dim ok = MessageBox.Show("Proses pengembalian kendaraan ini?",

"Konfirmasi", MessageBoxButtons.YesNo, MessageBoxIcon.Question)

If ok = DialogResult.No Then Exit Sub

Try

Call koneksi()

Dim sqlUpdateTrans As String = "

UPDATE tb\_transaksi

SET status = 'Kembali',

tgl\_harus\_kembali = @tglHarusKembali,

denda = @denda,

total\_bayar = @total

WHERE id\_transaksi = @idt"

CMD = New MySqlCommand(sqlUpdateTrans, CONN)

CMD.Parameters.AddWithValue("@tglHarusKembali", dtpJatuhTempo.Value.Date)

CMD.Parameters.AddWithValue("@denda", Decimal.Parse(txtDenda.Text.Replace(".", "")))

CMD.Parameters.AddWithValue("@total", Decimal.Parse(txtTotalBayar.Text.Replace(".", "")))

CMD.Parameters.AddWithValue("@idt", idTransaksi)

CMD.ExecuteNonQuery()

CMD = New MySqlCommand("UPDATE tb\_mobil SET status='Tersedia' WHERE id\_mobil=@idm", CONN)

CMD.Parameters.AddWithValue("@idm", idMobil)

CMD.ExecuteNonQuery()

MessageBox.Show("Pengembalian diproses.", "Sukses",

MessageBoxButtons.OK, MessageBoxIcon.Information)

LoadGrid()

ClearDetail()

Catch ex As Exception

MessageBox.Show("Error: " & ex.Message, "Gagal",

MessageBoxButtons.OK, MessageBoxIcon.Error)

End Try

End Sub

'================ REFRESH ================

Private Sub btnRefresh\_Click(sender As Object, e As EventArgs) Handles btnRefresh.Click

txtCari.Clear()

LoadGrid()

ClearDetail()

End Sub

'================ CARI ================

Private Sub txtCari\_TextChanged(sender As Object, e As EventArgs) Handles txtCari.TextChanged

LoadGrid(txtCari.Text)

End Sub

'================ KELUAR ================

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

Me.Close()

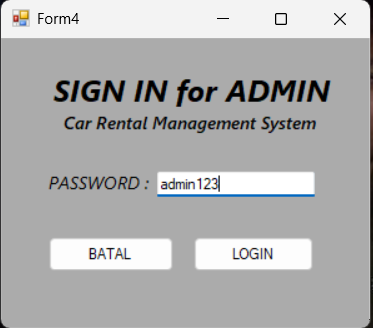
End Sub

End Class

D. RUN PROGRAM

**FORM 1 & 2 for ADMIN**





**FORM 1 & 2 for USERS**

