

## Lampiran A

- Program Form Menu

```
Public Class Frm_utama
    Public user As String

    Private Sub LogoutToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles LogoutToolStripMenuItem.Click
        If MsgBox("Apakah anda ingin Logout?", MsgBoxStyle.YesNo, "Logout ?") = MsgBoxResult.Yes Then
            If Not user = "Admin" Then
                op()
            Else
                op()
                admin()
            End If
        End If
    End Sub

    Sub op()
        LoginToolStripMenuItem.Enabled = True
        LogoutToolStripMenuItem.Enabled = False
        MasterToolStripMenuItem.Enabled = False
        BukuToolStripMenuItem.Visible = False
        AnggotaToolStripMenuItem.Visible = True
        TransaksiToolStripMenuItem.Enabled = False
        LaporanToolStripMenuItem.Enabled = False
    End Sub

    Sub admin()
        MASTERToolStripMenuItem.Enabled = False
        BukuToolStripMenuItem.Visible = False
        PetugasToolStripMenuItem.Visible = False
        TRANSAKSIToolStripMenuItem.Enabled = False
        LAPORANToolStripMenuItem.Enabled = False
    End Sub

    Private Sub Frm_utama_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        MasterToolStripMenuItem.Enabled = False
        TransaksiToolStripMenuItem.Enabled = False
        LaporanToolStripMenuItem.Enabled = False
    End Sub
End Class
```

```
Private Sub KeluarToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
KeluarToolStripMenuitem.Click
    Me.Close()
End Sub
```

```
Private Sub AnggotaToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
AnggotaToolStripMenuitem.Click
    Frm_Anggota.Show()
End Sub
```

```
Private Sub BukuToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
BukuToolStripMenuitem.Click
    Frm_Buku.Show()
End Sub
```

```
Private Sub PetugasToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
PetugasToolStripMenuitem.Click
    Frm_Petugas.Show()
End Sub
```

```
Private Sub PeminjamanToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
PeminjamanToolStripMenuitem.Click
    Frm_Peminjaman.Show()
End Sub
```

```
Private Sub LoginToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
LoginToolStripMenuitem.Click
    Frm_Login.ShowDialog()
End Sub
```

```
Private Sub PengembalianToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
PengembalianToolStripMenuitem.Click
    Frm_Pengembalian.Show()
End Sub
```

```
Private Sub StokBukuToolStripMenuitem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
StokBukuToolStripMenuitem.Click
    frm_laporanbuku.Show()
End Sub
```

```

Private Sub AnggotaToolStripMenuItem1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
AnggotaToolStripMenuItem1.Click
    frm_laporananggota.Show()
End Sub

```

```

Private Sub LapPeminjamanToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
LapPeminjamanToolStripMenuItem.Click
    LapPeminjaman.Show()
End Sub

```

```

Private Sub LapPengembalianToolStripMenuItem_Click(ByVal sender
As System.Object, ByVal e As System.EventArgs) Handles
LapPengembalianToolStripMenuItem.Click
    frm_LapKembali.Show()
End Sub
End Class

```

- **Program Form Anggota**

```

Public Class Frm_Anggota

```

```

    Sub tampil_anggota()
        Dim adapter As New SqlDataAdapter("Select * from T_anggota",
Module1.koneksi)
        Dim dt As New DataTable("T_anggota")
        adapter.Fill(dt)
        dg_anggota.DataSource = dt

```

```

    End Sub

```

```

    Sub bersih()
        tb_noanggota.Clear()
        tb_nama.Clear()
        tb_alamat.Clear()
        tb_tlpn.Clear()
        tb_noktp.Clear()
        tb_ttl.Clear()

```

```

    End Sub

```

```

    Sub aktif_button()
        btn_simpan.Enabled = True
    End Sub

```

```

Private Sub btn_simpan_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles btn_simpan.Click
    Dim sql As String
    sql = "exec sp_simpan_anggota " & tb_noanggota.Text & "," &
tb_nama.Text & "," & tb_alamat.Text & "," & tb_tlpn.Text & "," &
tb_noktp.Text & "," & tb_ttl.Text & ""
    Dim cmd As New SqlCommand(sql, Module1.koneksi)

```

```

cmd.ExecuteNonQuery()
Module1.koneksi.Close()
MsgBox("Data di simpan")
tampil_anggota()
bersih()
End Sub

```

```

Private Sub btn_batal_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_batal.Click
    If MsgBox("kamu yakin akan membatalkan proses", vbYesNo) =
vbYes Then
        bersih()
    Else
        btn_batal.Focus()
    End If
    aktif_button()
End Sub

```

```

Private Sub btn_ubah_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_ubah.Click
    Dim sql As String
    sql = "update T_anggota set nama= " & tb_nama.Text & ", alamat="
& tb_alamat.Text & ", tlpn=" & tb_tlpn.Text & ", no_ktp=" & tb_noktp.Text
& ", ttl=" & tb_ttl.Text & " where no_anggota=" & tb_noanggota.Text & ""
    Dim cmd As New SqlCommand(sql, Module1.koneksi)
    cmd.ExecuteNonQuery()
    Module1.koneksi.Close()
    MsgBox("Data Telah Di Ubah")
    tampil_anggota()
    bersih()
    aktif_button()
End Sub

```

```

Private Sub Btn_hapus_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Btn_hapus.Click
    Dim sql As String
    sql = "exec sp_Hapus_anggota " & tb_noanggota.Text & ""
    Dim cmd As New SqlCommand(sql, Module1.koneksi)
    cmd.ExecuteNonQuery()
    Module1.koneksi.Close()
    MsgBox("Data telah di Hapus")
    tampil_anggota()
    bersih()
    aktif_button()
End Sub

```

```

Private Sub dg_anggota_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles dg_anggota.Click

```

```

        tb_noanggota.Focus()
        tb_noanggota.Text = dg_anggota.Item(0,
dg_anggota.CurrentRow.Index).Value.ToString
        tb_nama.Text = dg_anggota.Item(1,
dg_anggota.CurrentRow.Index).Value.ToString
        tb_alamat.Text = dg_anggota.Item(2,
dg_anggota.CurrentRow.Index).Value.ToString
        tb_tlpn.Text = dg_anggota.Item(3,
dg_anggota.CurrentRow.Index).Value.ToString
        tb_noktp.Text = dg_anggota.Item(4,
dg_anggota.CurrentRow.Index).Value.ToString
        tb_ttl.Text = dg_anggota.Item(5,
dg_anggota.CurrentRow.Index).Value.ToString
        btn_simpan.Enabled = False
        btn_ubah.Enabled = True
        btn_batal.Enabled = True
        Btn_hapus.Enabled = True
    End Sub

```

```

    Private Sub Frm_Anggota_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load
        tampil_anggota()
        bersih()
    End Sub

```

```

    Private Sub tb_cari_TextChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles tb_cari.TextChanged
        Dim adapter As New SqlDataAdapter("Select * from T_Anggota
where nama like '" & tb_cari.Text & "%' ", Module1.koneksi)
        Dim dt As New DataTable("T_Anggota")
        adapter.Fill(dt)
        dg_anggota.DataSource = dt
    End Sub
End Class

```

- **Program Form Buku**

```

Public Class Frm_Buku
    Sub tampil_Buku()
        Dim adapter As New SqlDataAdapter("Select * from T_Buku1",
Module1.koneksi)
        Dim dt As New DataTable("T_Buku1")
        adapter.Fill(dt)
        dg_buku.DataSource = dt
    End Sub

```

```

Sub bersih()
    tb_nobuku.Clear()
    tb_judul.Clear()
    tb_tahun.Clear()
    tb_stok.Clear()
    tb_penerbit.Clear()
    tb_pengarang.Clear()
    tb_noisbn.Clear()
    tb_norak.Clear()

```

```
End Sub
```

```

Private Sub btn_simpan_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn_simpan.Click
    Dim sql As String
    sql = "exec sp_simpan_Buku1 " & tb_nobuku.Text & "," &
    tb_judul.Text & "," & tb_penerbit.Text & "," & tb_pengarang.Text & "," &
    tb_stok.Text & "," & tb_tahun.Text & "," & tb_noisbn.Text & "," &
    tb_norak.Text & ""
    Dim cmd As New SqlCommand(sql, Module1.koneksi)
    cmd.ExecuteNonQuery()
    Module1.koneksi.Close()
    MsgBox("Data di simpan")
    tampil_Buku()
    bersih()

```

```
End Sub
```

```

Sub aktif_button()
    btn_simpan.Enabled = True

```

```
End Sub
```

```

Private Sub btn_batal_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn_batal.Click
    If MsgBox("kamu yakin akan membatalkan proses", vbYesNo) = vbYes Then
        bersih()
    Else
        btn_batal.Focus()
    End If
    aktif_button()
End Sub

```

```

Private Sub btn_ubah_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn_ubah.Click
    Dim sql As String
    sql = "update T_Buku1 set judul=" & tb_judul.Text & ", penerbit=" &
    tb_penerbit.Text & ", pengarang=" & tb_pengarang.Text & ", stok=" &
    tb_stok.Text & ", tahun=" & tb_tahun.Text & ", no_isbn=" &
    tb_noisbn.Text & ", no_rak=" & tb_norak.Text & " where no_Buku=" &
    tb_nobuku.Text & ""

```

```

Dim cmd As New SqlCommand(sql, Module1.koneksi)
cmd.ExecuteNonQuery()
Module1.koneksi.Close()
MsgBox("Data Telah Di Ubah")
tampil_Buku()
bersih()
aktif_button()
End Sub

```

```

Private Sub Btn_hapus_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Btn_hapus.Click
Dim sql As String
sql = "exec sp_Hapus_Buku1 '" & tb_nobuku.Text & "'"
Dim cmd As New SqlCommand(sql, Module1.koneksi)
cmd.ExecuteNonQuery()
Module1.koneksi.Close()
MsgBox("Data telah di Hapus")
tampil_Buku()
bersih()
aktif_button()
End Sub

```

```

Private Sub dg_buku_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles dg_buku.Click
tb_nobuku.Focus()
tb_nobuku.Text = dg_buku.Item(0,
dg_buku.CurrentRow.Index).Value.ToString
tb_judul.Text = dg_buku.Item(1,
dg_buku.CurrentRow.Index).Value.ToString
tb_penerbit.Text = dg_buku.Item(2,
dg_buku.CurrentRow.Index).Value.ToString
tb_pengarang.Text = dg_buku.Item(3,
dg_buku.CurrentRow.Index).Value.ToString
tb_stok.Text = dg_buku.Item(4,
dg_buku.CurrentRow.Index).Value.ToString
tb_tahun.Text = dg_buku.Item(5,
dg_buku.CurrentRow.Index).Value.ToString
tb_noisbn.Text = dg_buku.Item(6,
dg_buku.CurrentRow.Index).Value.ToString
tb_norak.Text = dg_buku.Item(7,
dg_buku.CurrentRow.Index).Value.ToString
btn_simpan.Enabled = False
btn_ubah.Enabled = True
btn_batal.Enabled = True
Btn_hapus.Enabled = True
End Sub

```

```

Private Sub Frm_Buku_Load(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles MyBase.Load
tampil_Buku()

```

```

bersih()
End Sub

Private Sub tb_cari_TextChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles tb_cari.TextChanged
    Dim adapter As New SqlDataAdapter("Select * from T_buku1 where
judul like '" & tb_cari.Text & '%" ", Module1.koneksi)
    Dim dt As New DataTable("T_Buku1")
    adapter.Fill(dt)
    dg_buku.DataSource = dt
End Sub
End Class

```

- **Program Form Daftar Petugas**

```

Public Class Frm_Petugas
    Sub tampil_petugas()
        Dim adapter As New SqlDataAdapter("Select * from T_petugas",
Module1.koneksi)
        Dim dt As New DataTable("T_petugas")
        adapter.Fill(dt)
        dg_petugas.DataSource = dt
    End Sub
    Sub bersih()
        tb_nopetugas.Clear()
        tb_password.Clear()
    End Sub
    Sub aktif_button()
        btn_simpan.Enabled = True
    End Sub

    Private Sub btn_simpan_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles btn_simpan.Click
        Dim sql As String
        sql = "exec sp_simpan_petugas '" & tb_nopetugas.Text & "','" &
tb_password.Text & """"
        Dim cmd As New SqlCommand(sql, Module1.koneksi)
        cmd.ExecuteNonQuery()
        Module1.koneksi.Close()
        MsgBox("Data di simpan")
        tampil_petugas()
        bersih()
    End Sub

    Private Sub Btn_hapus_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Btn_hapus.Click
        Dim sql As String
        sql = "exec sp_Hapus_petugas '" & tb_nopetugas.Text & """"
        Dim cmd As New SqlCommand(sql, Module1.koneksi)

```



```

cmd.ExecuteNonQuery()
Module1.koneksi.Close()
MsgBox("Data telah di Hapus")
tampil_petugas()
bersih()
End Sub

```

```

Private Sub btn_batal_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_batal.Click
    If MsgBox("kamu yakin akan membatalkan proses", vbYesNo) =
vbYes Then
        bersih()
    Else
        btn_batal.Focus()
    End If
    aktif_button()
End Sub

```

```

Private Sub dg_petugas_Click(ByVal sender As Object, ByVal e As
System.EventArgs) Handles dg_petugas.Click
    tb_nopetugas.Focus()
    tb_nopetugas.Text = dg_petugas.Item(0,
dg_petugas.CurrentRow.Index).Value.ToString
    tb_password.Text = dg_petugas.Item(1,
dg_petugas.CurrentRow.Index).Value.ToString
    btn_simpan.Enabled = False
    btn_ubah.Enabled = True
    btn_batal.Enabled = True
    Btn_hapus.Enabled = True
End Sub

```

```

Private Sub Frm_Petugas_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load
    tampil_petugas()
    bersih()
End Sub

```

```

Private Sub btn_ubah_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_ubah.Click
    Dim sql As String
    sql = "update T_petugas set No_petugas= " & tb_nopetugas.Text &
", password=" & tb_password.Text & " where no_petugas=" &
tb_nopetugas.Text & ""
    Dim cmd As New SqlCommand(sql, Module1.koneksi)
    cmd.ExecuteNonQuery()
    Module1.koneksi.Close()
    MsgBox("Data Telah Di Ubah")
    tampil_petugas()
    bersih()
    aktif_button()

```

```

End Sub

Private Sub tb_cari_TextChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles tb_cari.TextChanged
    Dim adapter As New SqlDataAdapter("Select * from T_Petugas
where no_petugas like '" & tb_cari.Text & "%' ", Module1.koneksi)
    Dim dt As New DataTable("T_Petugas")
    adapter.Fill(dt)
    dg_petugas.DataSource = dt
End Sub
End Class

```

- **Program Form Login**

```

Public Class Frm_Login
    Sub login()
        Dim adapter As New SqlDataAdapter("select *from T_petugas where
no_petugas='" & tb_User.Text & "' and password='Admin'",
Module1.koneksi)
        Dim dt As New DataSet
        adapter.Fill(dt)
        If tb_User.Text = "" Then
            MsgBox("user harus diisi!", MsgBoxStyle.Information, "Informasi")
            tb_User.Focus()
        ElseIf tb_Password.Text = "" Then
            MsgBox("Username harus diisi!", MsgBoxStyle.Information,
"Informasi")
            tb_Password.Focus()
        ElseIf dt.Tables(0).Rows.Count <> 0 Then
            Frm_utama.user = "0001"
            MsgBox("Anda login sebagai Admin", MsgBoxStyle.Information,
"Sukses")
            op()
            admin()
            Frm_utama.Label2.Text = Frm_utama.user
            Close()
        Else
            adapter = New SqlDataAdapter("select *from T_petugas where
no_petugas='" & tb_User.Text & "' and password='Operator'",
Module1.koneksi)
            dt = New DataSet
            adapter.Fill(dt)
            If dt.Tables(0).Rows.Count <> 0 Then
                Frm_utama.user = tb_User.Text
                MsgBox("anda login sebagai operator",
MsgBoxStyle.Information, "Sukses")
                op()
            End If
        End If
    End Sub
End Class

```

```

        Frm_utama.Label2.Text = Frm_utama.user
        Close()
    Else
        MsgBox("Maaf Login anda belum berhasil..",
MsgBoxStyle.Information, "Gagal!")
        tb_User.Clear()
        tb_Password.Clear()
        tb_User.Focus()
    End If
End If
End Sub
Sub op()
    Frm_utama.LoginToolStripMenuItem.Enabled = False
    Frm_utama.LogoutToolStripMenuItem.Enabled = True
    Frm_utama.MasterToolStripMenuItem.Enabled = True
    Frm_utama.BukuToolStripMenuItem.Visible = False
    Frm_utama.PetugasToolStripMenuItem.Visible = False
    Frm_utama.TransaksiToolStripMenuItem.Enabled = True
    Frm_utama.LaporanToolStripMenuItem.Enabled = False

End Sub
Sub admin()
    Frm_utama.MasterToolStripMenuItem.Enabled = True
    Frm_utama.BukuToolStripMenuItem.Visible = True
    Frm_utama.PetugasToolStripMenuItem.Visible = True
    Frm_utama.AnggotaToolStripMenuItem.Visible = True
    Frm_utama.TransaksiToolStripMenuItem.Enabled = True
    Frm_utama.LaporanToolStripMenuItem.Enabled = True
End Sub

Private Sub Frm_Login_Load(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles MyBase.Load
    tb_User.Clear()
    tb_Password.Clear()
    tb_User.Focus()
End Sub

Private Sub btn_Login_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_Login.Click
    login()
End Sub

Private Sub tb_User_KeyDown(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyEventArgs) Handles tb_User.KeyDown
    If e.KeyCode = Keys.Return Then
        SendKeys.Send("{TAB}")
        e.SuppressKeyPress = True
    End If
End Sub

```

```

Private Sub tb_Password_KeyDown(ByVal sender As Object, ByVal e
As System.Windows.Forms.KeyEventArgs) Handles
tb_Password.KeyDown
    If e.KeyCode = Keys.Return Then
        login()
    End If
End Sub
End Class

```

- **Program Form Peminjaman**

```

Public Class Frm_Peminjaman
    Sub tampil_Barang()
        Dim adapter As New SqlDataAdapter("Select *from T_buku1",
Module1.koneksi)
        Dim dt As New DataTable("T_buku1")
        adapter.Fill(dt)
        dg_buku.DataSource = dt
    End Sub
    Sub tampil_kodeanggota()
        Dim kon As SqlConnection
        kon = New SqlConnection("Data source= CEPER-PC; initial
catalog=perpus; integrated security=true ")
        Dim cmd As SqlCommand
        Dim rdr As SqlDataReader
        Dim da As New SqlDataAdapter
        Dim ds As New DataSet
        Dim dt As New DataTable
        cmd = New SqlCommand("SELECT no_anggota FROM T_anggota",
Module1.koneksi)
        kon.Open()
        cmd.Connection = koneksi()
        cmd.CommandType = CommandType.Text
        cmd.CommandText = "Select * from T_anggota"
        rdr = cmd.ExecuteReader
        If rdr.HasRows Then
            While rdr.Read()
                cb_noanggota.Items.Add(rdr.Item("No_anggota"))
            End While
        End If
        rdr.Close()
        koneksi.Close()

    End Sub

    Sub non_aktif()
        btn_pinjam.Enabled = False
        btn_batal.Enabled = True
        btn_add.Enabled = False
    End Sub

```

```

End Sub
Sub add()
    dg_tbuku.Columns(0).Name = tb_nobuku.Text
    dg_tbuku.Columns(1).Name = tb_judul.Text
    dg_tbuku.Columns(2).Name = tb_noisbn.Text
    dg_tbuku.Columns(3).Name = tb_jumlahpinjam.Text
    Dim row As String() = New String() {tb_nobuku.Text, tb_judul.Text,
tb_noisbn.Text, tb_jumlahpinjam.Text}
    dg_tbuku.Rows.Add(row)
End Sub
Sub dtgrd_in_to_detail()
    Dim txt1, txt4 As String

    Dim a, b
    b = dg_tbuku.RowCount
    b = b - 2
    For a = 0 To b Step 1
        txt1 = dg_tbuku.Item(0, a).Value.ToString
        txt4 = dg_tbuku.Item(3, a).Value.ToString
        Dim sql As String
        sql = "exec Sp_Simpan_Detail_pinjam " & tb_nopinjam.Text & ",
" & txt1 & ", " & txt4 & ""
        Dim cmd As New SqlCommand(sql, Module1.koneksi)
        cmd.ExecuteNonQuery()
    Next a
End Sub
Sub bersih()
    tb_nobuku.Clear()
    tb_judul.Clear()
    tb_penerbit.Clear()
    Tb_pengarang.Clear()
    tb_tanggal.Clear()
    tb_tahun.Clear()
    tb_norak.Clear()
    tb_noisbn.Clear()
    tb_jumlahpinjam.Clear()
    tb_jumlahpinjam.Clear()
    tb_cari.Clear()
    tb_totalpinjam.Clear()
    tb_nopinjam.Clear()
    tb_totalpinjam.Clear()
    dg_tbuku.Rows.Clear()
    dg_buku.DataSource = ""
    cb_noanggota.Text = ""
End Sub

Sub coba()
    Dim sql As String
    Dim read As SqlDataReader
    Dim cmd As SqlCommand

```

```
sql = "select No_pinjam from T_pinjam WHERE (No_pinjam  
=(SELECT MAX(No_pinjam)FROM T_pinjam))"
```

```
Try  
    cmd = New SqlCommand(sql, Module1.koneksi)  
    read = cmd.ExecuteReader  
    While read.Read  
        tb_nopinjam.Text = read.Item(0)  
    End While  
    cmd.Dispose()  
    read.Close()  
Catch ex As Exception  
    MsgBox(ex.Message)  
End Try  
End Sub  
Private Sub Frm_Peminjaman_Load(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles MyBase.Load  
    non_aktif()  
    tampil_kodeanggota()  
    tb_tanggal.Text = Format(Now, "yyyy/MM/dd")  
    tb_nopetugas.Text = Frm_utama.Label2.Text  
End Sub  
  
Private Sub dg_buku_DoubleClick(ByVal sender As Object, ByVal e As  
System.EventArgs) Handles dg_buku.DoubleClick  
    tb_nobuku.Text = dg_buku.Item(0,  
dg_buku.CurrentRow.Index).Value.ToString  
    tb_judul.Text = dg_buku.Item(1,  
dg_buku.CurrentRow.Index).Value.ToString  
    tb_penerbit.Text = dg_buku.Item(2,  
dg_buku.CurrentRow.Index).Value.ToString  
    Tb_pengarang.Text = dg_buku.Item(3,  
dg_buku.CurrentRow.Index).Value.ToString  
    tb_stok.Text = dg_buku.Item(4,  
dg_buku.CurrentRow.Index).Value.ToString  
    tb_tahun.Text = dg_buku.Item(5,  
dg_buku.CurrentRow.Index).Value.ToString  
    tb_noisbn.Text = dg_buku.Item(6,  
dg_buku.CurrentRow.Index).Value.ToString  
    tb_norak.Text = dg_buku.Item(7,  
dg_buku.CurrentRow.Index).Value.ToString  
    tb_jumlahpinjam.Focus()  
    btn_add.Enabled = True  
End Sub  
Private Sub btn_batal_Click(ByVal sender As System.Object, ByVal e  
As System.EventArgs) Handles btn_batal.Click  
    bersih()  
End Sub
```

```
Private Sub btn_baru_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
```

```
End Sub
```

```
Private Sub btn_add_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn_add.Click
```

```
total()  
add()  
non_aktif()  
btn_pinjam.Enabled = True  
tb_nobuku.Clear()  
tb_judul.Clear()  
tb_penerbit.Clear()  
tb_pengarang.Clear()  
tb_jumlahpinjam.Clear()  
tb_stok.Clear()  
tb_noisbn.Clear()  
tb_norak.Clear()  
tb_tahun.Clear()
```

```
End Sub
```

```
Sub total()
```

```
Dim a As Integer
```

```
a = Val(tb_jumlahpinjam.Text) + Val(tb_totalpinjam.Text)
```

```
tb_totalpinjam.Text = a
```

```
End Sub
```

```
Private Sub btn_pinjam_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn_pinjam.Click
```

```
Try
```

```
If tb_tanggal.Text = "" Or dg_tbuku.RowCount = 0 Then
```

```
MsgBox("Mohon lengkapi data", MsgBoxStyle.Information, "Information")
```

```
Else
```

```
Dim sql As String
```

```
sql = "exec spr_simpan_pinjam " & cb_noanggota.Text & ", " & tb_nopetugas.Text & ", " & tb_tanggal.Text & ", " & tb_totalpinjam.Text & ""
```

```
Dim cmd As New SqlCommand(sql, Module1.koneksi)
```

```
cmd.ExecuteNonQuery()
```

```
Module1.koneksi.Close()
```

```
coba()
```

```
dtgrd_in_to_detail()
```

```
MsgBox("data telah disimpan", MsgBoxStyle.Information, "Information")
```

```
bersih()
```

```
End If
```

```
Catch ex As Exception
```

```

        MsgBox(ex.Message)
    End Try
End Sub

Private Sub ComboBox1_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles cb_noanggota.SelectedIndexChanged
    tampil_Barang()
End Sub

Private Sub tb_cari_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles tb_cari.TextChanged
    Dim adapter As New SqlDataAdapter("Select * from T_buku1 where judul like '" & tb_cari.Text & "%' ", Module1.koneksi)
    Dim dt As New DataTable("T_buku1")
    adapter.Fill(dt)
    dg_buku.DataSource = dt
End Sub
End Class

```

- **Program Form Transaksi Pengembalian**

```

Public Class Frm_Pengembalian
    Sub tampil_Buku()
        Dim adapter As New SqlDataAdapter("Select * from Vlew_1 where No_pinjam= '" & tb_nopinjam.Text & "'", Module1.koneksi)
        Dim dt As New DataTable("View_1")
        adapter.Fill(dt)
        dg_buku.DataSource = dt
    End Sub
    Sub Tampil_anggota()
        Dim sql As String
        Dim red As SqlDataReader
        Dim cmd As SqlCommand
        sql = "Select *from View_2 where No_pinjam='" & tb_nopinjam.Text & "'"
    Try
        cmd = New SqlCommand(sql, Module1.koneksi)
        red = cmd.ExecuteReader
        While red.Read
            tb_noanggota.Text = red.Item(1)
        End While
    End Try
End Class

```



```

        cmd.Dispose()
        red.Close()
    Catch ex As Exception
        MsgBox(ex.Message)
    End Try
End Sub
Sub coba()
    Dim sql As String
    Dim red As SqlDataReader
    Dim cmd As SqlCommand
    sql = "select No_kembali from T_Kembali WHERE (No_kembali
    =(SELECT MAX(No_kembali)FROM T_Kembali))"

    Try
        cmd = New SqlCommand(sql, Module1.koneksi)
        red = cmd.ExecuteReader
        While red.Read
            tb_noKembali.Text = red.Item(0)
        End While
        cmd.Dispose()
        red.Close()
    Catch ex As Exception
        MsgBox(ex.Message)
    End Try
End Sub
Sub add()
    dg_tbuku.Columns(0).Name = tb_nobuku.Text
    dg_tbuku.Columns(1).Name = tb_judul.Text
    dg_tbuku.Columns(2).Name = tb_jumlahkembali.Text
    dg_tbuku.Columns(3).Name = tb_denda.Text
    Dim row As String() = New String() {tb_nobuku.Text, tb_judul.Text,
    tb_jumlahkembali.Text, tb_denda.Text}
    dg_tbuku.Rows.Add(row)
End Sub
Sub total()
    Dim a As Integer
    a = Val(tb_jumlahkembali.Text) + Val(tb_Totalkembali.Text)
    tb_Totalkembali.Text = a
End Sub
Sub dtgrd_in_to_detail()
    Dim txt1, txt4 As String
    Dim a, b
    b = dg_tbuku.RowCount
    b = b - 2
    For a = 0 To b Step 1
        txt1 = dg_tbuku.Item(0, a).Value.ToString
        txt4 = dg_tbuku.Item(2, a).Value.ToString
        Dim sql As String
        sql = "exec Sp_Simpan_Detail_kembali '" & tb_noKembali.Text &
        "', '" & txt1 & "', '" & txt4 & """"
    Next a
End Sub

```

```

        Dim cmd As New SqlCommand(Sql, Module1.koneksi)
        cmd.ExecuteNonQuery()
    Next a
End Sub

Private Sub btn_tampil_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_tampil.Click
    Tampil_anggota()
    tampil_Buku()
End Sub

Private Sub btn_add_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_add.Click
    Dim a, b As Integer
    a = tb_jumlahpinjam.Text
    b = tb_jumlahkembali.Text
    If b > a Then
        MsgBox("Data Kelebihan")
    Else
        total()
        add()
        btn_simpan.Enabled = True
        tb_nobuku.Clear()
        tb_judul.Clear()
        '    tb_denda.Clear()
        tb_jumlahkembali.Clear()
        tb_jumlahpinjam.Clear()
    End If
End Sub

End Sub

Private Sub dg_buku_DoubleClick(ByVal sender As Object, ByVal e As
System.EventArgs) Handles dg_buku.DoubleClick
    tb_nobuku.Text = dg_buku.Item(1,
dg_buku.CurrentRow.Index).Value.ToString
    tb_judul.Text = dg_buku.Item(2,
dg_buku.CurrentRow.Index).Value.ToString
    tb_jumlahpinjam.Text = dg_buku.Item(3,
dg_buku.CurrentRow.Index).Value.ToString
    tb_stok.Text = dg_buku.Item(5,
dg_buku.CurrentRow.Index).Value.ToString
    tb_jumlahkembali.Focus()
    btn_add.Enabled = True
End Sub

Private Sub Frm_Pengembalian_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
    aktif()
    tb_nopetugas.Text = Frm_utama.Label2.Text
    tb_tanggal.Text = Format(Now, "yyyy/MM/dd")

```

End Sub

Sub bersih()

```
tb_jumlahkembali.Clear()
tb_jumlahpinjam.Clear()
tb_nobuku.Clear()
tb_noanggota.Clear()
tb_nopetugas.Clear()
```

```
tb_judul.Clear()
tb_denda.Clear()
tb_nopinjam.Clear()
tb_noKembali.Clear()
tb_tanggal.Clear()
```

```
dg_tbuku.Rows.Clear()
tb_Totalkembali.Clear()
dg_buku.DataSource = ""
```

End Sub

Sub aktif()

```
btn_simpan.Enabled = False
btn_Batal.Enabled = True
btn_add.Enabled = True
btn_tampil.Enabled = True
```

End Sub

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

Try

Dim sql As String

```
sql = "exec sp_simpan_kembali " & tb_noanggota.Text & ", " &
tb_tanggal.Text & ", " & tb_Totalkembali.Text & ", " & tb_denda.Text & ", "
& tb_nopetugas.Text & ""
```

Dim cmd As New SqlCommand(sql, Module1.koneksi)

cmd.ExecuteNonQuery()

Module1.koneksi.Close()

coba()

dtgrd\_in\_to\_detail()

```
MsgBox("data telah disimpan", MsgBoxStyle.Information,
"Information")
```

aktif()

bersih()

Catch ex As Exception

MsgBox(ex.Message)

End Try

End Sub

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

Dim t\_pj As Date = DateTimePicker2.Text

```

Dim t_km As Date = DateTimePicker1.Text
Dim ww As Long = DateDiff(DateInterval.Day, t_pj, t_km)
If (ww >= 7) Then
    tb_denda.Text = (ww * 100)
Else
    tb_denda.Text = 0
    MsgBox("tidak ada denda")

End If
End Sub

Private Sub btn_Batal_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_Batal.Click
    bersih()
    aktif()
End Sub

Private Sub btn_Tutup_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btn_Tutup.Click
    Me.Close()
End Sub

Private Sub dg_buku_CellContentClick(ByVal sender As
System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles
dg_buku.CellContentClick

End Sub
End Class

```