## PEMOGRAMAN BASIS DATA JARINGAN

## TUGAS BESAR AKHIR SEMESTER



Mata Kuliah : Pemograman Basis Data Jaringan

Dosen : Mardiyono, S.Kom., M.Sc

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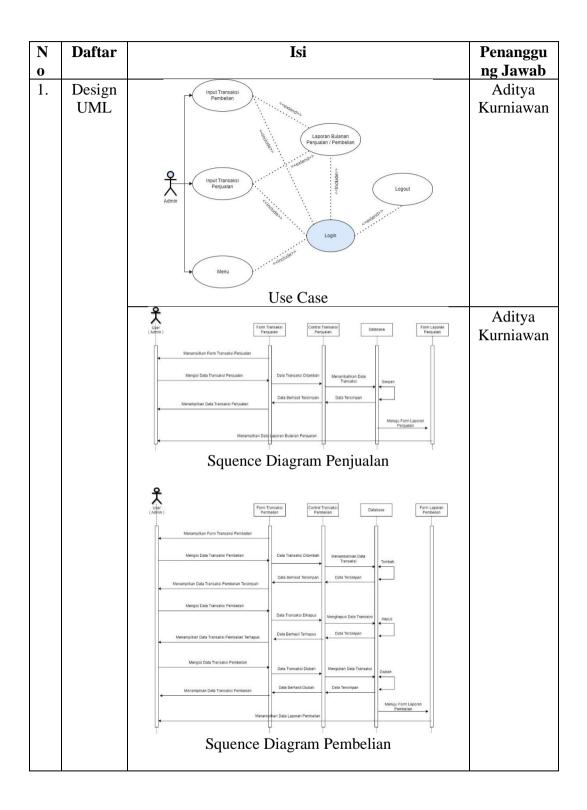
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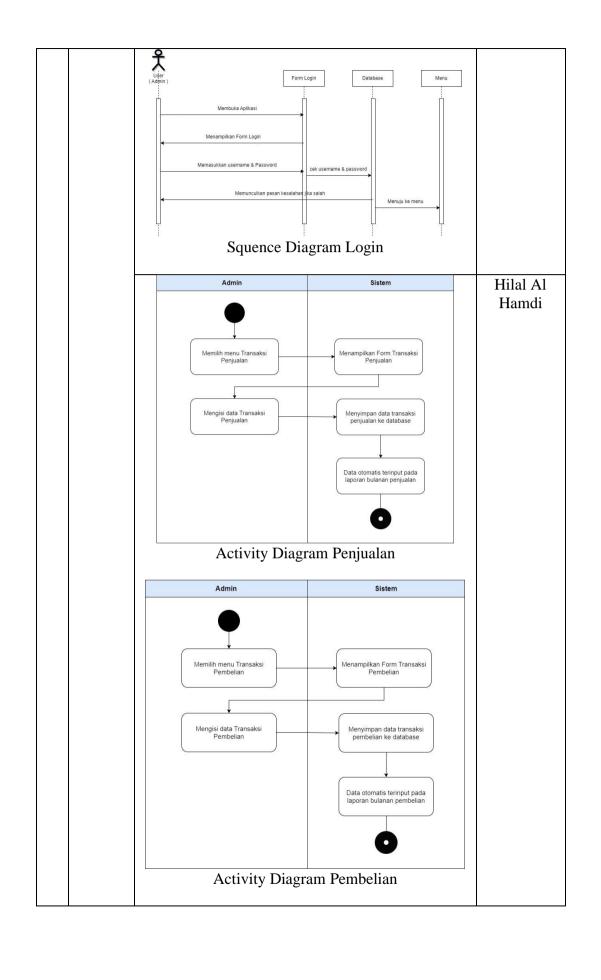
## PROGRAM STUDI TEKNIK INFORMATIKA

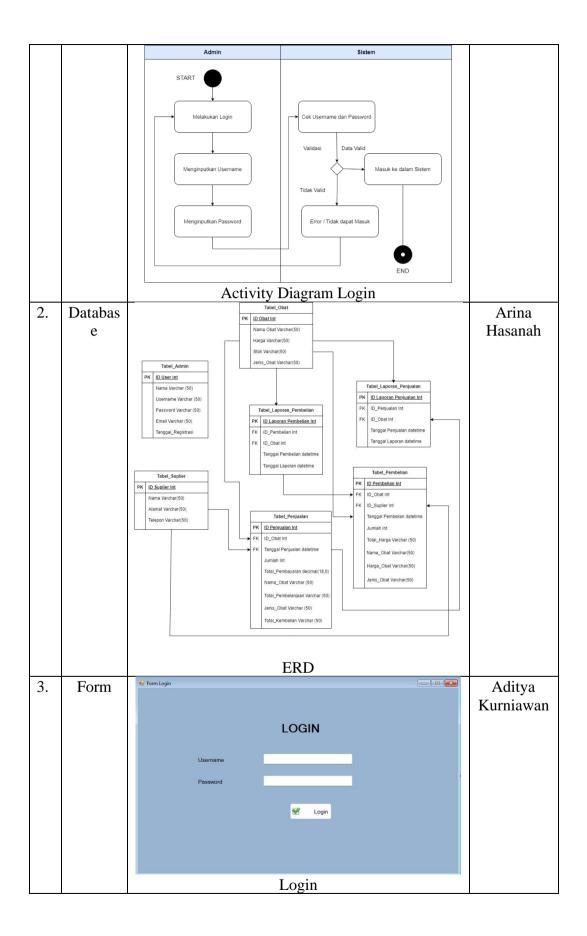
JURUSAN TEKNIK ELEKTRO

POLITEKNIK NEGERI SEMARANG

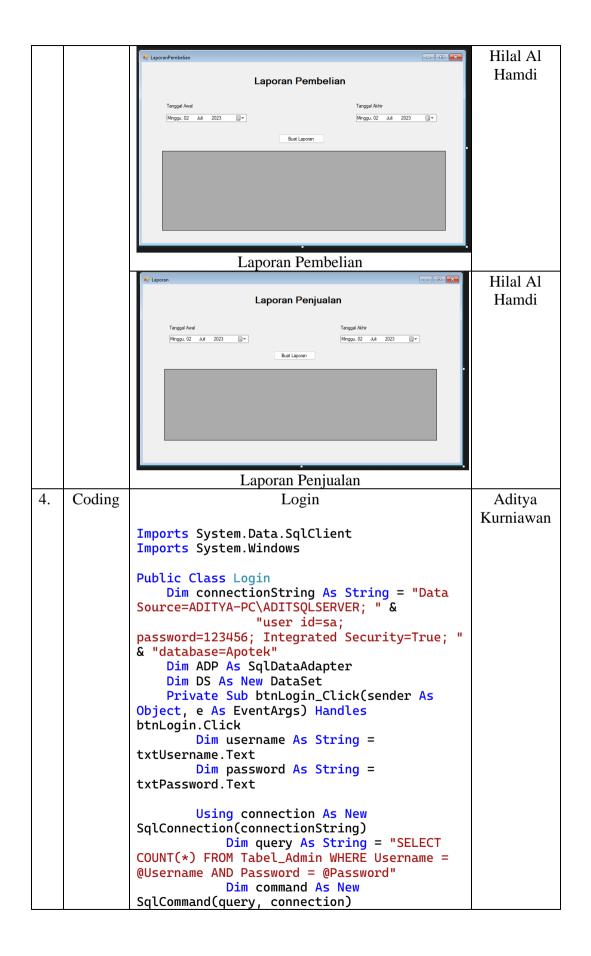
2023







	€ FormMenu	Aditya
	File Transaksi Pembelian Transaksi Penjualan Laporan	Kurniawan
		Karmawan
	Menu	
	etransaksi_pembelian	Arina
	Transaksi Pembelian	Hasanah
	ID Pembelian Harga Obat  ID Obat Jenis Obat	
	Nama Obat Tanggal Pembelian Minggu. 02 Juli 2023 🖫	
	Hapus Ubah Tambah	
_	Transaksi Pembelian	
		Arina
	Transaksi Penjualan	Hasanah
	ID Penjualan Jumlah 0 🕏	
	ID Obet Total Pembelanjaan	
	Tanggal Penjualan Mnggu, 02 Juli 2023 🖫 Total Pembayaran	
	Nama Obat Total Kembalian Hitung  Admin	
	Jenis Obat	
	Simpan	
	T 1:D: 1	
1	Transaksi Penjualan	



```
command.Parameters.AddWithValue("@Username",
username)
command.Parameters.AddWithValue("@Password",
password)
            connection.Open()
            Dim result As Integer =
Convert.ToInt32(command.ExecuteScalar())
            If result > 0 Then
                MessageBox.Show("Login
sukses!")
                ' Menutup form login
                Me.Hide()
                ' Membuka form menu
                Dim menuForm As New Menu()
                menuForm.ShowDialog()
                ' Setelah form menu ditutup,
tampilkan kembali form login
                Me.Show()
            Else
                MessageBox.Show("Username
atau password salah!")
            End If
        End Using
   End Sub
    Private Sub FormLogin_Load(sender As
Object, e As EventArgs) Handles MyBase.Load
   End Sub
    Private Sub Form1_Load(sender As Object,
e As EventArgs) Handles MyBase.Load
    End Sub
                 End Class
                   Menu
                                                 Aditya
                                               Kurniawan
Public Class Menu
    Private Sub
LoginToolStripMenuItem_Click(sender As
Object, e As EventArgs) Handles
LoginToolStripMenuItem.Click
        Login.ShowDialog()
   End Sub
    Sub Terkunci()
        LoginToolStripMenuItem.Enabled =
True
        LogoutToolStripMenuItem.Enabled =
True
    End Sub
    Private Sub Menu_Load(sender As Object,
e As EventArgs) Handles MyBase.Load
```

```
Call Terkunci()
    End Sub
    Private Sub Panel1_Paint(sender As
Object, e As PaintEventArgs) Handles
Panel1.Paint
    End Sub
    Private Sub
TransaksiPembelianToolStripMenuItem_Click(se
nder As Object, e As EventArgs) Handles
TransaksiPembelianToolStripMenuItem.Click
        sembunyi()
        transaksi_pembelian.TopLevel = False
Panel1.Controls.Add(transaksi_pembelian)
        transaksi_pembelian.Show()
    End Sub
    Private Sub
TransaksiPenjualanToolStripMenuItem_Click(se
nder As Object, e As EventArgs) Handles
TransaksiPenjualanToolStripMenuItem.Click
        sembunvi()
        transaksi_penjualan.TopLevel = False
Panel1.Controls.Add(transaksi_penjualan)
        transaksi_penjualan.Show()
    End Sub
    Private Sub
LaporanPenjualanToolStripMenuItem_Click(send
er As Object, e As EventArgs) Handles
LaporanPembelianToolStripMenuItem.Click
        LaporanPenjualan.TopLevel = False
Panel1.Controls.Add(LaporanPenjualan)
        LaporanPenjualan.Show()
   End Sub
    Private Sub
LaporanPembelianToolStripMenuItem2_Click(sen
der As Object, e As EventArgs) Handles
LaporanPembelianToolStripMenuItem.Click
        LaporanPembelian.TopLevel = False
Panel1.Controls.Add(LaporanPembelian)
        LaporanPembelian.Show()
    End Sub
    Sub sembunyi()
        transaksi_pembelian.Hide()
        transaksi_penjualan.Hide()
    End Sub
```

```
Private Sub
LogoutToolStripMenuItem_Click(sender As
Object, e As EventArgs) Handles
LogoutToolStripMenuItem.Click
        End
    End Sub
                  End Class
             Transaksi Pembelian
                                                   Arina
                                                 Hasanah
Imports System.Data.SqlClient
Public Class transaksi_pembelian
    Public connectionString As String =
"Data Source=ADITYA-PC\ADITSQLSERVER; " &
                 "user id=sa;
password=123456; Integrated Security=True; "
.
& "database=Apotek"
    Dim connection As SqlConnection
    Dim command As SqlCommand
    Dim adapter As SqlDataAdapter
    Dim dataTable As DataTable
    Sub TampilObat()
        Cbxjenisobat.Items.Add("Sirup")
        Cbxjenisobat.Items.Add("Tablet")
Cbxjenisobat.Items.Add("Pil")
        Cbxjenisobat.Items.Add("Capsul")
    End Sub
    Private Sub
transaksi_pembelian_Load(sender As Object, e
As EventArgs) Handles MyBase.Load
        'connection.Open()
        LoadData()
        TampilObat()
        start()
    End Sub
    Private Sub LoadData()
        Dim query As String = "SELECT * FROM
DataPembelian"
        command = New SqlCommand(query,
connection)
        adapter = New
SqlDataAdapter(command)
        dataTable = New DataTable()
        'adapter.Fill(dataTable)
        dgvpembelian.DataSource = dataTable
    End Sub
    Sub start()
        Try
            Using connection As New
SqlConnection(connectionString)
                connection.Open()
                Dim query As String =
"SELECT * FROM Tabel_Pembelian"
```

```
Dim command As New
SqlCommand(query, connection)
                Dim reader As SqlDataReader
= command.ExecuteReader()
                Dim dataTable As New
DataTable()
                dataTable.Load(reader)
                dgvpembelian.DataSource =
dataTable
            End Using
        Catch ex As Exception
            MessageBox.Show("Terjadi
kesalahan: " & ex.Message)
        End Try
    End Sub
    Private Sub ClearFields()
        Txtidpembelian.Clear()
        Txtidobat.Clear()
        Txtidsuplier.Clear()
        Txtnamaobat.Clear()
        Txthargaobat.Clear()
        'TextBoxJenisObat.Clear()
        'TxtJumlah.Clear()
        'DateTimePicker1.Clear()
    End Sub
    Private Sub Btnhapus_Click(sender As
Object, e As EventArgs) Handles
Btnhapus.Click
        ' Koneksi ke database
        Using conn As New
SqlConnection(connString)
            conn.Open()
            ' Query SQL untuk menghapus data
pembelian
            Dim query As String = "DELETE
FROM Tabel_Pembelian WHERE IdPembelian =
@IdPembelian"
            ' Membuat objek SqlCommand
dengan parameter
            Using cmd As New
SqlCommand(query, conn)
cmd.Parameters.AddWithValue("@IdPembelian",
id Pembelian)
                ' Eksekusi perintah SQL
                cmd.ExecuteNonQuery()
                ' Menampilkan pesan sukses
                MessageBox.Show("Data
pembelian berhasil dihapus.")
                ' Mengosongkan input
                ClearInputFields()
```

```
Refresh DataGridView
                RefreshDataGridView()
            End Using
        End Using
    End Sub
    Private Sub LoadDataPembelian()
            Using connection As New
SqlConnection(connectionString)
                connection.Open()
                Dim query As String =
"SELECT * FROM Tabel_Pembelian"
                Dim command As New
SqlCommand(query, connection)
                Dim reader As SqlDataReader
= command.ExecuteReader()
                Dim dataTable As New
DataTable()
                dataTable.Load(reader)
                dgvpembelian.DataSource =
dataTable
            End Using
        Catch ex As Exception
            MessageBox.Show("Terjadi
kesalahan: " & ex.Message)
        End Try
   End Sub
    Private Sub RefreshDataGridView()
        Throw New NotImplementedException()
   End Sub
    Private Function id_Pembelian() As
Object
        Throw New NotImplementedException()
    End Function
    Private Function connString() As String
        Throw New NotImplementedException()
    End Function
    Private Sub Btnubah_Click(sender As
Object, e As EventArgs) Handles
Btnubah.Click
        Dim idObat As Integer =
Integer.Parse(Txtidobat.Text)
        Dim idSuplier As Integer =
Integer.Parse(Txtidsuplier.Text)
        Dim namaObat As String =
Txtnamaobat.Text
        Dim hargaObat As Decimal =
Decimal.Parse(Txthargaobat.Text)
        Dim jenisObat As String =
Cbxjenisobat.Text
        Dim jumlah As Integer =
Integer.Parse(TxtJumlah.Text)
        Dim tanggalPembelian As Date =
DateTimePicker1.Value
```

```
' Koneksi ke database
        Using conn As New
SqlConnection(connString)
        End Using
        conn.Open()
        ' Query SQL untuk mengubah data
pembelian
        Dim query As String = "UPDATE
Tabel_Pembelian SET IdObat = @IdObat,
IdSuplier = @IdSuplier, NamaObat =
@NamaObat, HargaObat = @HargaObat, JenisObat
= @JenisObat, Jumlah = @Jumlah,
TanggalPembelian = @TanggalPembelian WHERE
IdPembelian = @IdPembelian"
        ' Membuat objek SqlCommand dengan
parameter
        Using cmd As New SqlCommand(query,
conn)
cmd.Parameters.AddWithValue("@IdPembelian",
Integer.Parse(Txtidpembelian.Text))
cmd.Parameters.AddWithValue("@IdObat",
idObat)
cmd.Parameters.AddWithValue("@IdSuplier",
idSuplier)
cmd.Parameters.AddWithValue("@NamaObat",
namaObat)
cmd.Parameters.AddWithValue("@HargaObat",
hargaObat)
cmd.Parameters.AddWithValue("@JenisObat",
ienisObat)
cmd.Parameters.AddWithValue("@Jumlah",
jumlah)
cmd.Parameters.AddWithValue("@TanggalPembeli
an", tanggalPembelian)
            cmd.ExecuteNonQuery()
        End Using
        ' Eksekusi perintah SQL
        ' Menampilkan pesan sukses
        MessageBox.Show("Data pembelian
berhasil diubah.")
    End Sub
    Private Function conn() As SqlConnection
        Throw New NotImplementedException()
    End Function
```

```
Private Sub Btntambah_Click(sender As
Object, e As EventArgs) Handles
Btntambah.Click
        Dim idPembelian As String =
(Txtidpembelian.Text)
        Dim idObat As String =
(Txtidobat.Text)
        Dim idsuplier As String =
(Txtidobat.Text)
        Dim namaObat As String =
Txtnamaobat.Text
        Dim HargaObat As String =
(Txthargaobat.Text)
        Dim jenisObat As String =
Cbxjenisobat.Text
        Dim jumlah As String =
(TxtJumlah.Text)
        Dim tanggalPembelian As Date =
DateTimePicker1.Value
        ' Koneksi ke database
        Using conn As New
SqlConnection(connectionString)
            conn.Open()
            ' Ouery SOL untuk menyimpan data
pembelian
            Dim query As String = "INSERT
INTO Tabel_Pembelian (ID_Pembelian, ID_Obat,
ID_Suplier, Nama_Obat, Harga_Obat,
Jenis_Obat, Jumlah, Tanggal_Pembelian) " & "VALUES (@ID_Pembelian,
@ID_Obat, @ID_Suplier, @Nama_Obat,
@Harga_Obat, @Jenis_Obat, @Jumlah,
@Tanggal_Pembelian)"
            ' Membuat objek SqlCommand
dengan parameter
            Using cmd As New
SqlCommand(query, conn)
cmd.Parameters.AddWithValue("@ID_Pembelian",
idPembelian)
cmd.Parameters.AddWithValue("@ID_Obat",
idObat)
cmd.Parameters.AddWithValue("@ID_Suplier",
idsuplier)
cmd.Parameters.AddWithValue("@Nama_Obat",
namaObat)
cmd.Parameters.AddWithValue("@Harga_Obat",
HargaObat)
cmd.Parameters.AddWithValue("@Jenis_Obat",
jenisObat)
```

```
cmd.Parameters.AddWithValue("@Jumlah",
jumlah)
cmd.Parameters.AddWithValue("@Tanggal_Pembel
ian", tanggalpembelian)
                ' Eksekusi perintah SQL
                cmd.ExecuteNonQuery()
                ' Menampilkan pesan sukses
                MessageBox.Show("Data
pembelian berhasil disimpan.")
                ' Mengosongkan input
                ClearInputFields()
            End Using
            conn.Close()
        End Using
    End Sub
    Private Sub ClearInputFields()
        Txtidpembelian.Text = ""
        Txtidobat.Text = ""
        DateTimePicker1.Value = DateTime.Now
        Txtnamaobat.Text = ""
        Cbxjenisobat.Text = ""
    End Sub
                 End Class
             Transaksi Penjualan
                                                 Arina
                                                Hasanah
Imports System.Data.SqlClient
Public Class transaksi_penjualan
    Sub TampilObat()
        Cbxjenisobat.Items.Add("Sirup")
        Cbxjenisobat.Items.Add("Tablet")
        Cbxjenisobat.Items.Add("Pil")
        Cbxjenisobat.Items.Add("Capsul")
    End Sub
    Public connectionString As String =
"Data Source=ADITYA-PC\ADITSQLSERVER; " &
                "user id=sa;
password=123456; Integrated Security=True; "
& "database=Apotek"
    Dim dataTable As New DataTable()
    Private Sub Label2_Click(sender As
Object, e As EventArgs) Handles
LblIDPenjualan.Click
    End Sub
    Private Sub
transaksi_penjualan_Load(sender As Object, e
As EventArgs) Handles MyBase.Load
        LoadDataPenjualan()
        TampilObat()
```

```
End Sub
    Private Sub LoadDataPenjualan()
            Using connection As New
SqlConnection(connectionString)
                connection.Open()
                Dim query As String =
"SELECT * FROM Tabel_Penjualan"
                Dim command As New
SqlCommand(query, connection)
                Dim reader As SqlDataReader
= command.ExecuteReader()
                Dim dataTable As New
DataTable()
                dataTable.Load(reader)
                dgvPenjualan.DataSource =
dataTable
            End Using
        Catch ex As Exception
            MessageBox.Show("Terjadi
kesalahan: " & ex.Message)
        End Try
    End Sub
    Private Sub Button1_Click(sender As
Object, e As EventArgs) Handles
Button1.Click
        Dim idPenjualan As Integer =
Integer.Parse(Txtidpenjualan.Text)
        Dim idObat As String =
(Txtidobat.Text)
        Dim tanggalPenjualan As Date =
DateTimePicker1.Value
        Dim namaObat As String =
Txtnamaobat.Text
Dim jenisObat As String =
Cbxjenisobat.Text
        Dim jumlahTotalPembelanjaan As
Decimal = Decimal.Parse(NumericUpDown1.Text)
        Dim totalPembayaran As Decimal =
Decimal.Parse(s:=Txttotalpembayaran.Text)
        Dim totalKembalian As Decimal =
Decimal.Parse(Txttotalkembalian.Text)
        ' Koneksi ke database
        Using conn As New
SqlConnection(connectionString)
            conn.Open()
            ' Query SQL untuk menyimpan data
penjualan
            Dim query As String = "INSERT
INTO Tabel_Penjualan (ID_Penjualan, ID_Obat,
Tanggal_Penjualan, Nama_Obat, Jenis_Obat,
Total_Pembelanjaan, Total_Pembayaran, Total_Kembalian) " &
            "VALUES (@ID_Penjualan,
                                @Nama_Obat,
@ID_Obat, @Tanggal_Penjualan,
```

```
@Jenis_Obat, @Total_Pembelanjaan,
@Total_Pembayaran, @Total_Kembalian)"
            ' Membuat objek SqlCommand
dengan parameter
            Using cmd As New
SqlCommand(query, conn)
cmd.Parameters.AddWithValue("@ID_Penjualan",
idPenjualan)
cmd.Parameters.AddWithValue("@ID_Obat",
idObat)
cmd.Parameters.AddWithValue("@Tanggal_Penjua
lan", tanggalPenjualan)
cmd.Parameters.AddWithValue("@Nama_Obat",
namaObat)
cmd.Parameters.AddWithValue("@Jenis_Obat",
jenisObat)
cmd.Parameters.AddWithValue("@Total_Pembelan
jaan", jumlahTotalPembelanjaan)
cmd.Parameters.AddWithValue("@Total_Pembayar
an", totalPembayaran)
cmd.Parameters.AddWithValue("@Total_Kembalia
n", totalKembalian)
                ' Eksekusi perintah SQL
                cmd.ExecuteNonQuery()
                ' Menampilkan pesan sukses
                MessageBox.Show("Data
penjualan berhasil disimpan.")
                ' Mengosongkan input
                ClearInputFields()
            End Usina
            conn.Close()
        End Using
    End Sub
    Private Sub ClearInputFields()
        Txtidpenjualan.Text = ""
        Txtidobat.Text = ""
        DateTimePicker1.Value = DateTime.Now
        Txtnamaobat.Text = ""
        Cbxjenisobat.Text = ""
        NumericUpDown1.Text = ""
        Txttotalpembayaran.Text = ""
        Txttotalkembalian.Text = ""
    End Sub
    Private Sub Button2_Click(sender As
Object, e As EventArgs) Handles
Button2.Click
```

```
Dim jumlahTotalPembelanjaan As
Decimal =
Decimal.Parse(Txttotalpembelanjaan.Text)
        Dim totalPembayaran As Decimal =
Decimal.Parse(Txttotalpembayaran.Text)
        Dim totalKembalian As Decimal =
totalPembayaran - jumlahTotalPembelanjaan
        Txttotalkembalian.Text =
totalKembalian.ToString("N2")
    End Sub
    Private Sub
Cbxjenisobat_SelectedIndexChanged(sender As
Object, e As EventArgs) Handles
Cbxjenisobat.SelectedIndexChanged
        ' Mengisi ComboBox dengan jenis obat
    End Sub
End Class
                                                 Hilal Al
              Laporan Pembelian
                                                  Hamdi
Imports System.Data.SqlClient
Public Class LaporanPembelian
    Dim connString As String = "Data
Source=ADITYA-PC\ADITSQLSERVER; " &
                "user id=sa;
password=123456; Integrated Security=True; "
& "database=Apotek"
    Dim conn As SqlConnection
    Private Sub LaporanPembelian_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
        ' Mengatur tanggal awal dan akhir
default pada komponen DateTimePicker
        DateTimePickerTanggalAwal.Value =
New DateTime(DateTime.Now.Year,
DateTime.Now.Month, 1)
        DateTimePickerTanggalAkhir.Value =
DateTime.Now
    End Sub
    Private Sub
ButtonBuatLaporan_Click(sender As Object, e
As EventArgs) Handles
ButtonBuatLaporan.Click
        ' Menghubungkan ke database
        conn = New SqlConnection(connString)
        conn.Open()
        ' Membuat perintah SQL untuk
mengambil data pembelian
Dim query As String = "SELECT * FROM Tabel_Pembelian WHERE Tanggal_Pembelian >=
```

```
@TanggalAwal AND Tanggal_Pembelian <=
@TanggalAkhir"
        Dim cmd As New SqlCommand(query,
conn)
cmd.Parameters.AddWithValue("@TanggalAwal",
DateTimePickerTanggalAwal.Value)
cmd.Parameters.AddWithValue("@TanggalAkhir",
DateTimePickerTanggalAkhir.Value)
        ' Membuat adapter dan dataset
        Dim adapter As New
SqlDataAdapter(cmd)
        Dim dataset As New DataSet()
        ' Mengisi dataset dengan data dari
database
        adapter.Fill(dataset,
"Tabel_Pembelian")
        ' Menutup koneksi ke database
        conn.Close()
        ' Menampilkan data pada DataGridView
        DataGridViewLaporan.DataSource =
dataset.Tables("Tabel_Pembelian")
   End Sub
End Class
                                                Hilal Al
              Laporan Penjualan
                                                 Hamdi
Imports System.Data.SqlClient
Public Class LaporanPenjualan
    Dim connString As String = "Data
Source=ADITYA-PC\ADITSQLSERVER; " &
                "user id=sa;
password=123456; Integrated Security=True; "
& "database=Apotek"
    Dim conn As SqlConnection
    Private Sub LaporanPenjualan_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
        ' Mengatur tanggal awal dan akhir
default pada komponen DateTimePicker
        DateTimePickerTanggalAwal.Value =
New DateTime(DateTime.Now.Year,
DateTime.Now.Month, 1)
        DateTimePickerTanggalAkhir.Value =
DateTime.Now
   End Sub
    Private Sub
ButtonBuatLaporan_Click(sender As Object, e
As EventArgs) Handles
ButtonBuatLaporan.Click
        ' Menghubungkan ke database
```

```
conn = New SqlConnection(connString)
        conn.Open()
        ' Membuat perintah SQL untuk
mengambil data penjualan
Dim query As String = "SELECT * FROM Tabel_Penjualan WHERE Tanggal_Penjualan >=
@TanggalAwal AND Tanggal_Penjualan <=
@TanggalAkhir"
        Dim cmd As New SqlCommand(query,
conn)
cmd.Parameters.AddWithValue("@TanggalAwal",
DateTimePickerTanggalAwal.Value)
cmd.Parameters.AddWithValue("@TanggalAkhir",
DateTimePickerTanggalAkhir.Value)
        ' Membuat adapter dan dataset
        Dim adapter As New
SqlDataAdapter(cmd)
        Dim dataset As New DataSet()
        ' Mengisi dataset dengan data dari
database
        adapter.Fill(dataset,
"Tabel_Penjualan")
        ' Menutup koneksi ke database
        conn.Close()
        ' Menampilkan data pada DataGridView
        DataGridViewLaporan.DataSource =
dataset.Tables("Tabel_Penjualan")
    End Sub
End Class
```

## Link Deployment GitHub:

https://github.com/01AdityaKurniawan/APOTEK