

## LAMPIRAN

### Source Code Aplikasi

Source code login :

```
1. using System;
2. using System.Collections.Generic;
3. using System.ComponentModel;
4. using System.Data;
5. using System.Data.SqlClient;
6. using System.Drawing;
7. using System.Linq;
8. using System.Text;
9. using System.Windows.Forms;
10.
11. namespace AplikasiToko
12. {
13.     public partial class FormLogin : Form
14.     {
15.         public FormLogin()
16.         {
17.             InitializeComponent();
18.         }
19.
20.         private void pictureBox1_Click(object sender, EventArgs e)
21.         {
22.
23.         }
24.
25.         private void label7_Click(object sender, EventArgs e)
26.         {
27.
28.         }
29.
30.         private void lblError_Click(object sender, EventArgs e)
31.         {
32.
33.         }
34.
35.         private void tableLayoutPanel2_Paint(object sender, PaintEventArgs e)
36.         {
37.
38.         }
39.
40.         private void button4_Click(object sender, EventArgs e)
41.         {
42.             string user, pass, roles;
43.             user = pass = roles = "";
44.             string strConnection = "server=DESKTOP-J1Q3JJ8\\JUANKSQL; initial
catalog=TokoGandrung; user id=sa; password=123;";
45.             SqlConnection sqlConnection = new SqlConnection(strConnection);
46.             String SQLQuery = "SELECT UserName, Password, Roles FROM UserLogin
where UserName='" + txtUser.Text + "'";
47.             SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
48.             SqlDataReader Dr;
49.             sqlConnection.Open();
```

```

50.         Dr = command.ExecuteReader();
51.         if (Dr.HasRows == false)
52.         {
53.             lblError.Visible = true;
54.             lblError.Text = "Username salah !! silahkan coba lagi....";
55.         }
56.         if (txtUser.Text == "")
57.         {
58.             lblError.Visible = true;
59.             lblError.Text = "Silahkan masukkan Username dan Password.....";
60.         }
61.         else
62.         {
63.             while (Dr.Read())
64.             {
65.                 user = Dr[0].ToString();
66.                 pass = Dr[1].ToString();
67.                 roles = Dr[2].ToString();
68.             }
69.             sqlConnection.Close();
70.             if ((txtUser.Text == user) && (txtPass.Text == pass))
71.             {
72.                 FormHome a = new FormHome();
73.                 a.setUserText(user);
74.                 a.setRoleText(roles);
75.                 a.UserRestrict(roles);
76.                 a.Show();
77.                 lblError.Visible = false;
78.                 this.Hide();
79.             }
80.             else
81.             {
82.                 lblError.Visible = true;
83.                 lblError.Text = "Password salah !!! silahkan coba
lagi.....";
84.             }
85.         }
86.     }
87.
88.     private void label1_Click(object sender, EventArgs e)
89.     {
90.     }
91. }
92.
93.     private void txtUser_TextChanged(object sender, EventArgs e)
94.     {
95.     }
96. }
97.
98.     private void FormLogin_Load(object sender, EventArgs e)
99.     {
100.
101.     }
102. }
103. }

```

*Source Code Tambah Barang di Pembelian :*

```

using System;
using System.Collections.Generic;
using System.ComponentModel;

```

```

using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace AplikasiToko
{
public partial class FormPembelian : Form
{
public FormHome logicalPrnt { get; set; }
SqlDataReader Dr;
string[] ID = new string[20];
int[] jml = new int[10];
int stok = 0, stoksebelum = 0, stoksesudah = 0, i = 0, j = 0;
int TotalLp = 0, TotalBarang = 0, TotalDPLp = 0, TotalKurangLp = 0;
string strConnection = "server=DESKTOP-J1Q3JJ8\\JUANKSQL; initial
catalog=TokoGandrung; user id=sa; password=123;";
public FormPembelian()
{
InitializeComponent();
RefreshDG();
for (int i = 1; i < 32; i++)
{
cbHari.Items.Add(i);
cbHariDtgBD.Items.Add(i);
cbHariJtBD.Items.Add(i);
cbHariJtPB.Items.Add(i);
cbHariByr.Items.Add(i);
}
for (int i = 1; i < 13; i++)
{
cbBulan.Items.Add(i);
cbBulanLp.Items.Add(i);
cbBulanDtgBD.Items.Add(i);
cbBulanJtBD.Items.Add(i);
cbBulanJtPB.Items.Add(i);
cbBulanByr.Items.Add(i);
cbBulanJt.Items.Add(i);
cbBlnBr.Items.Add(i);
}
for (int i = 2017; i < 3000; i++)
{
cbTahun.Items.Add(i);
cbTahunLp.Items.Add(i);
cbTahunDtgBD.Items.Add(i);
cbTahunJtBD.Items.Add(i);
cbTahunJtPB.Items.Add(i);
cbTahunByr.Items.Add(i);
cbTahunJt.Items.Add(i);
cbThnBr.Items.Add(i);
}
}

public void Roles(string Roles)
{
lblRoles.Text = Roles;
}
public void User(string user)
{
lblUser.Text = user;
}
}

```

```

}
public void RefreshDG()
{
int ctr;
string lastval = "", codeval;
SqlConnection sqlConnection = new SqlConnection(strConnection);
String SQLQuery = "SELECT idPembelian FROM Pembelian";
SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
sqlConnection.Open();
Dr = command.ExecuteReader();
if (Dr.HasRows == false)
{
txtID.Text = "B000001";
}
else
{
while (Dr.Read())
{
lastval = Dr["idPembelian"].ToString();
}
codeval = lastval.Substring(1, 6);
ctr = Convert.ToInt32(codeval);
if ((ctr >= 1) && (ctr < 9))
{
ctr = ctr + 1;
txtID.Text = "B00000" + ctr;
}
else if ((ctr >= 9) && (ctr < 99))
{
ctr = ctr + 1;
txtID.Text = "B0000" + ctr;
}
else if ((ctr >= 99) && (ctr < 999))
{
ctr = ctr + 1;
txtID.Text = "B000" + ctr;
}
else if ((ctr >= 999) && (ctr < 9999))
{
ctr = ctr + 1;
txtID.Text = "B00" + ctr;
}
else if ((ctr >= 9999) && (ctr < 99999))
{
ctr = ctr + 1;
txtID.Text = "B0" + ctr;
}
else if (ctr >= 99999)
{
ctr = ctr + 1;
txtID.Text = "B" + ctr;
}
txtTotal.Text = "0";
txtDP.Text = "0";
txtKurang.Text = "0";
cbJenisBeli.Text = "";
cbSales.Text = "";
dgPembelian.DataSource = null;
}
}
private void tabPage2_Click(object sender, EventArgs e)
{

```

```
}]
```

```
private void label5_Click(object sender, EventArgs e)  
{
```

```
}
```

```
private void button15_Click(object sender, EventArgs e)  
{
```

```
SqlConnection sqlConnection = new SqlConnection(strConnection);  
SqlCommand cmd = new SqlCommand("Insert Into [Pembayaran] (idPembelian,tanggalJatuhTempo,tanggalBayar,totalBiaya,Kekurangan,pembayaran,statusBayar) Values (@id,@tanggalJt,@tanggalByr,@total,@kurang,@bayar,@status)");  
cmd.CommandType = CommandType.Text;  
cmd.Connection = sqlConnection;  
cmd.Parameters.AddWithValue("@id", cbIDBD.SelectedValue.ToString());  
string tanggaljt = cbTahunJtPB.SelectedItem + "-" + cbBulanJtPB.SelectedItem + "-" + cbHariJtPB.SelectedItem;  
cmd.Parameters.AddWithValue("@tanggalJt", tanggaljt);  
string tanggalbayar = cbTahunByr.SelectedItem + "-" + cbBulanByr.SelectedItem + "-" + cbHariByr.SelectedItem;  
cmd.Parameters.AddWithValue("@tanggalByr", tanggalbayar);  
cmd.Parameters.AddWithValue("@total", txtBiayaPB.Text);  
cmd.Parameters.AddWithValue("@kurang", txtKurangPB.Text);  
cmd.Parameters.AddWithValue("@bayar", txtTotalPB.Text);  
string status = "Lunas";  
cmd.Parameters.AddWithValue("@status", status);  
sqlConnection.Open();  
cmd.ExecuteNonQuery();  
sqlConnection.Close();  
MessageBox.Show("Data Disimpan Dengan Sukses !!!!");  
cbIDPB.Text="";  
txtBiayaPB.Text="0";  
txtKurangPB.Text="0";  
cbHariJtPB.Text="";  
cbBulanJtPB.Text = "";  
cbTahunJtPB.Text="";  
cbHariByr.Text="";  
cbBulanByr.Text="";  
cbTahunByr.Text="";  
txtTotalPB.Text="0";
```

```
}
```

```
public DataSet DetailPembelian(string x)
```

```
{  
    DataSet ds = new DataSet();  
    string query = "Select namaBarang 'Nama Barang',harga 'Harga',jumlah 'Jumlah',potongan 'Potongan / Diskon',totalHarga 'Total' from DetailPembelian where idPembelian = '" + x + "'";  
    SqlConnection con1 = new SqlConnection(strConnection);  
    SqlDataAdapter da = new SqlDataAdapter(query, con1);  
    da.Fill(ds, "Details");  
    return ds;  
}
```

```
private void button4_Click(object sender, EventArgs e)
```

```
{  
    // int a = Convert.ToInt32(cbBulan.Text);  
    // int b = Convert.ToInt32(cbHari.Text);
```

```

// if (CekKosong() == true)
if(1 == 0)
{
    MessageBox.Show("Jenis Pembelian Dan Tanggal Harus diisi dulu !!!");
}
else if(1 == 0)
//else if (ValidateDate(b, a) == false)
{
    MessageBox.Show("Tanggal tidak valid !!!");
}
else
{
    // string tanggal = cbTahun.SelectedItem + "-" + cbBulan.SelectedItem + "-" +
    cbHari.SelectedItem;

    const string FMT = "yyyy-MM-dd";
    DateTime now1 = DateTime.Now;
    string tanggal = now1.ToString(FMT);

    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query2 = "update Pembelian set tanggal='" + tanggal + "', namaSales='" +
    cbSales.SelectedValue.ToString()
    + "', TotalPembelian="+ txtTotal.Text + ", DP="+txtDP.Text + ", kekurangan="+
    txtKurang.Text
    + ", jenisPembelian='" + cbJenisBeli.SelectedItem.ToString() + "' Where idPembelian =
    '" + txtID.Text + "'";
    SqlCommand cmd2 = new SqlCommand(query2, sqlConnection);
    string query3 = "update Pembelian set tanggal='" + tanggal + "', namaSales='" +
    cbSales.SelectedValue.ToString()
    + "', TotalPembelian=" + txtTotal.Text + ", DP=" + txtDP.Text + ", kekurangan=" +
    txtKurang.Text
    + ", jenisPembelian=" + cbJenisBeli.SelectedItem.ToString() + ", status = 'Lunas'
    " + "Where idPembelian = '" + txtID.Text + "'";
    SqlCommand cmd3 = new SqlCommand(query3, sqlConnection);
    sqlConnection.Open();
    if (Convert.ToInt32(txtKurang.Text) == 0)
    {
        cmd3.ExecuteNonQuery();
    }
    else
    {
        cmd2.ExecuteNonQuery();
    }
    sqlConnection.Close();
    MessageBox.Show("Data Disimpan Dengan Sukses !!!!");

    // TODO: This line of code loads data into the 'tokoGandrungDataSet7.Pembelian'
    table. You can move, or remove it, as needed.
    this.pembelianTableAdapter1.Fill(this.tokoGandrungDataSet7.Pembelian);
    // TODO: This line of code loads data into the 'tokoGandrungDataSet6.Pembelian'
    table. You can move, or remove it, as needed.
    this.pembelianTableAdapter.Fill(this.tokoGandrungDataSet6.Pembelian);
    RefreshDG();
}
}

public void SetSales()
{
    this.dataSalesTableAdapter.Fill(this.tokoGandrungDataSet3.DataSales);
}

private void FormPembelian_Load(object sender, EventArgs e)

```

```

{
// TODO: This line of code loads data into the 'tokoGandrungDataSet7.Pembelian'
table. You can move, or remove it, as needed.
this.pembelianTableAdapter1.Fill(this.tokoGandrungDataSet7.Pembelian);
// TODO: This line of code loads data into the 'tokoGandrungDataSet6.Pembelian'
table. You can move, or remove it, as needed.
this.pembelianTableAdapter.Fill(this.tokoGandrungDataSet6.Pembelian);
// TODO: This line of code loads data into the 'tokoGandrungDataSet3.DataSales'
table. You can move, or remove it, as needed.
this.dataSalesTableAdapter.Fill(this.tokoGandrungDataSet3.DataSales);
RefreshDG();
}

public string IDPenjualan()
{
return txtID.Text;
}

public void setEditTotal(int a)
{
txtTotal.Text = a.ToString();
}

private void btnTambahSlis_Click(object sender, EventArgs e)
{
historyDetail2 a = new historyDetail2();
a.LogicalParent = this;
a.Show();
this.Enabled = false;
}

public bool ValidateDate(int hari, int bulan)
{
int a = Convert.ToInt32(cbTahun.Text);
if ((bulan != 1) && (bulan != 3) && (bulan != 5) && (bulan != 7) && (bulan != 8)
&& (bulan != 10) & (bulan != 12))
{
if (hari == 31)
return false;
else if (bulan == 2)
{
if (hari == 30)
return false;
else if (cekKabisat(a) == false)
{
if (hari == 29)
return false;
}
}
}
return true;
}

public bool cekKabisat(int year)
{
if (year % 4 != 0)
return false;
else
if ((year % 100 == 0) && (year % 400 != 0))
return false;
else

```

```
return true;
}
```

```
public bool CekKosong()
```

```
{
if ((cbHari.Text == "") || (cbBulan.Text == "") || (cbTahun.Text == ""))
```

```
{
return true;
```

```
}
else
```

```
return false;
```

```
}
```

```
public void setDg(string a)
```

```
{
dgPembelian.DataSource = getDetails(a).Tables[0];
}
```

```
public DataSet getDetails(string NoNota)
```

```
{
//string query = "Select namaBarang 'Nama Barang',harga 'Harga',jumlah
'Jumlah',potongan 'Potongan / Diskon',totalHarga 'Total' from DetailPembelian
where idPembelian = '" + NoNota + "'";
string query = "Select DetailPembelian.namaBarang 'Nama
Barang',DetailPembelian.harga 'Harga',DetailPembelian.jumlah
'Jumlah',DetailPembelian.potongan 'Potongan / Diskon',DetailPembelian.totalHarga
'Total', Pembelian.tanggal 'Tanggal' from DetailPembelian INNER JOIN Pembelian ON
DetailPembelian.idPembelian = Pembelian.idPembelian where
DetailPembelian.idPembelian = '" + NoNota + "'";
SqlConnection con = new SqlConnection(strConnection);
SqlDataAdapter da = new SqlDataAdapter(query, con);
DataSet ds = new DataSet();
da.Fill(ds, "Details");
return ds;
}
```

```
public void setTotal(int a)
```

```
{
int b = Convert.ToInt32(txtTotal.Text) + a;
```

```
txtTotal.Text = b.ToString();
```

```
}
```

```
private void BtnTambahBrg_Click(object sender, EventArgs e)
```

```
{
```

```
// if (CekKosong() == true)
```

```
if (1 == 0)
```

```
{
MessageBox.Show("Jenis Pembelian Dan Tanggal Harus diisi dulu !!!");
}
```

```
//else if (ValidateDate(Convert.ToInt32(cbHari.Text),
Convert.ToInt32(cbBulan.Text)) == false)
```

```
else if (1 == 0)
```

```
{
```

```
MessageBox.Show("Tanggal tidak valid !!!");
```

```
}
```

```
else
```

```
{
```

```
SqlConnection sqlConnection = new SqlConnection(strConnection);
```

```
String SQLQuery = "SELECT idPembelian FROM Pembelian where idPembelian='" +
txtID.Text + "'";
```

```
SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
```

```
sqlConnection.Open();
```

```
Dr = command.ExecuteReader();
```



```

if (Dr.HasRows == false)
{
sqlConnection.Close();
SqlCommand cmd = new SqlCommand("Insert Into
Pembelian(idPembelian,tanggal,namaSales,totalPembelian, DP, kekurangan,
jenisPembelian, status) Values
(@id,@tanggal,@sales,@total,@totalDP,@totalKrg,@jenis,@status)");
cmd.CommandType = CommandType.Text;
cmd.Connection = sqlConnection;
cmd.Parameters.AddWithValue("@id", txtID.Text);
string tanggal = cbTahun.SelectedItem + "-" + cbBulan.SelectedItem + "-" +
cbHari.SelectedItem;

const string FMT = "yyyy-MM-dd";
DateTime now1 = DateTime.Now;
string temp_tanggal = now1.ToString(FMT);
cmd.Parameters.AddWithValue("@tanggal", temp_tanggal);

cmd.Parameters.AddWithValue("@sales", cbSales.SelectedValue.ToString() );
string x = "0";
cmd.Parameters.AddWithValue("@total", x);
cmd.Parameters.AddWithValue("@totalDP", x);
cmd.Parameters.AddWithValue("@totalKrg", x);
cmd.Parameters.AddWithValue("@jenis", cbJenisBeli.SelectedItem.ToString());

string temp_jenis = cbJenisBeli.SelectedItem.ToString();
string c = "Belum Lunas";
if(temp_jenis.ToUpper() == "LANGSUNG"){
c = "Lunas";
}
cmd.Parameters.AddWithValue("@status", c);
sqlConnection.Open();
cmd.ExecuteNonQuery();
}
sqlConnection.Close();
TambahBeliBarang a = new TambahBeliBarang();
a.LogicalParent = this;
a.Show();
a.NumberNota(txtID.Text);
this.Enabled = false;
}
}

private void button3_Click(object sender, EventArgs e)
{
EditBeliBarang b = new EditBeliBarang();
b.LogicalParent = this;
b.Show();
this.Enabled = false;
}

private void txtDP_TextChanged(object sender, EventArgs e)
{
int kurang;
if (txtDP.Text != "")
{
kurang = Convert.ToInt32(txtTotal.Text) - Convert.ToInt32(txtDP.Text);
txtKurang.Text = kurang.ToString();
}
}
}

```

```

public void setKurang()
{
    int kurang;
    if (txtDP.Text != "")
    {
        kurang = Convert.ToInt32(txtTotal.Text) - Convert.ToInt32(txtDP.Text);
        txtKurang.Text = kurang.ToString();
    }
}

```

```

private void button5_Click(object sender, EventArgs e)
{
    DialogResult dlgresult = MessageBox.Show("Apa anda yakin akan Menghapus Semua Data ?",
    "Konfirmasi menutup",
    MessageBoxButtons.YesNo,
    MessageBoxIcon.Question);
    if (dlgresult == DialogResult.Yes)
    {
        deleteDetailPenjualan();
        deleteDataPenjualan();
        RefreshDG();
        Array.Clear(ID, 0, ID.Length);
        Array.Clear(jml, 0, jml.Length);
    }
}

```

```

public void deleteDataPenjualan()
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query1 = "Delete FROM Pembelian where idPembelian='" + txtID.Text + "'";
    SqlCommand command2 = new SqlCommand(query1, sqlConnection);
    sqlConnection.Open();
    Dr = command2.ExecuteReader();
    sqlConnection.Close();
}

```

```

public void deleteDetailPenjualan()
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query1 = "Delete FROM DetailPembelian where idPembelian='" + txtID.Text + "'";
    SqlCommand command2 = new SqlCommand(query1, sqlConnection);
    sqlConnection.Open();
    Dr = command2.ExecuteReader();
    sqlConnection.Close();
}

```

```

private void button1_Click(object sender, EventArgs e)
{
    DetailPembelian a = new DetailPembelian();
    a.LogicalParent = this;
    a.Show();
    string x = cbIDBD.SelectedValue.ToString();
    a.KontPress(x);
}

```

```

private void button8_Click(object sender, EventArgs e)

```

```

{
SqlConnection sqlConnection = new SqlConnection(strConnection);
SqlCommand cmd = new SqlCommand("Insert Into
BarangDatang(idPembelian,tanggalDatang,jatuhTempo) Values
(@id,@tanggalDtg,@tanggalJt)");
cmd.CommandType = CommandType.Text;
cmd.Connection = sqlConnection;
cmd.Parameters.AddWithValue("@id", cbIDBD.Selected.Value.ToString());
string tanggaldtg = cbTahunDtgBD.SelectedItem + "-" + cbBulanDtgBD.SelectedItem +
 "-" + cbHariDtgBD.SelectedItem;
cmd.Parameters.AddWithValue("@tanggalDtg", tanggaldtg);
string tanggaljt = cbTahunJtBD.SelectedItem + "-" + cbBulanJtBD.SelectedItem + "-"
 + cbHariJtBD.SelectedItem;
cmd.Parameters.AddWithValue("@tanggalJt", tanggaljt);
string query2 = "update DetailPembelian set statusBarang='Sudah Datang' Where
idPembelian = " + cbIDBD.Selected.Value.ToString() + "'";
SqlCommand cmd2 = new SqlCommand(query2, sqlConnection);
sqlConnection.Open();
cmd.ExecuteNonQuery();
cmd2.ExecuteNonQuery();
sqlConnection.Close();
UpdateStok();
MessageBox.Show("Data Disimpan Dengan Sukses !!!!");

```

```

}

```

```

private void cbIDPB_SelectedIndexChanged(object sender, EventArgs e)
{

```

```

}

```

```

private void button13_Click(object sender, EventArgs e)
{

```

```

DetailPembelian a = new DetailPembelian();
a.LogicalParent = this;
a.Show();
string x = cbIDPB.Selected.Value.ToString();
a.KontPress(x);
}

```

```

private void textBox2_TextChanged(object sender, EventArgs e)
{

```

```

int total=0;
total = Convert.ToInt32(txtBiayaPB.Text) - Convert.ToInt32(txtKurangPB.Text);

```

```

txtTotalPB.Text = total.ToString();

```

```

txtKurangPB.Text = txtTotalPB;
}

```

```

private void cbBulanDtgPB_SelectedIndexChanged(object sender, EventArgs e)
{

```

```

}

```

```

public void getIdJml()
{

```

```

i = 0;
SqlConnection sqlConnection = new SqlConnection(strConnection);
string query1 = "SELECT * FROM DetailPembelian where IdPembelian=" +
cbIDBD.Selected.Value.ToString() + "'";
SqlCommand command2 = new SqlCommand(query1, sqlConnection);

```

```

sqlConnection.Open();
Dr = command2.ExecuteReader();
while (Dr.Read())
{
ID[i] = Dr["namaBarang"].ToString();
jml[i] = Convert.ToInt32(Dr["jumlah"]);
i++;
}
sqlConnection.Close();
}
public void UpdateStok(string nama, int stoknya)
{
string queryUpdate = "Update Barang set stok = " + stoknya + " where namaBarang = " + nama + "'";
SqlConnection sqlConnection = new SqlConnection(strConnection);
SqlCommand cmd2 = new SqlCommand(queryUpdate, sqlConnection);
sqlConnection.Open();
cmd2.ExecuteNonQuery();
sqlConnection.Close();
}

public int GetStok(string nama)
{
SqlConnection sqlConnection = new SqlConnection(strConnection);
string query1 = "SELECT * FROM Barang where namaBarang='" + nama + "'";
SqlCommand command2 = new SqlCommand(query1, sqlConnection);
sqlConnection.Open();
Dr = command2.ExecuteReader();
while (Dr.Read())
{
stok = Convert.ToInt32(Dr["stok"]);
}
sqlConnection.Close();
return stok;
}

public void UpdateStok()
{
j = 0;
getIdJml();
for (j = 0; j <= i; j++)
{
stoksebelum = GetStok(ID[j]);
stoksesudah = stoksebelum + jml[j];
UpdateStok(ID[j], stoksesudah);
}
}

private void button16_Click(object sender, EventArgs e)
{
SqlConnection conn = new SqlConnection();
conn.ConnectionString = strConnection;
conn.Open();
SqlCommand cmd = new SqlCommand();
cmd.Connection = conn;
//cmd.CommandText =
// "Select idPembelian 'ID Pembelian',tanggalDatang 'Tanggal Datang',jatuhTempo
'Jatuh Tempo' from BarangDatang where MONTH(jatuhTempo) = " +
Convert.ToInt32(cbBulanJt.SelectedItem) + " and YEAR(jatuhTempo) = " +
Convert.ToInt32(cbTahunJt.SelectedItem);
cmd.CommandText =

```

```

"Select BarangDatang.idPembelian 'ID Pembelian',BarangDatang.tanggalDatang
'Tanggal Datang',BarangDatang.jatuhTempo 'Jatuh Tempo', Pembelian.totalPembelian
'Total', Pembelian.DP 'DP', Pembelian.kekurangan 'Kekurangan' from BarangDatang
left join Pembelian on BarangDatang.idPembelian = Pembelian.idPembelian where
MONTH(BarangDatang.jatuhTempo) = " + Convert.ToInt32(cbBulanJt.SelectedItem) + "
and YEAR(BarangDatang.jatuhTempo) = " + Convert.ToInt32(cbTahunJt.SelectedItem);
cmd.CommandType = CommandType.Text;
SqlDataAdapter objDA = new SqlDataAdapter(cmd);
objDA.SelectCommand.CommandText = cmd.CommandText.ToString();
DataTable dt = new DataTable();
objDA.Fill(dt);
dgJT.DataSource = dt;
conn.Dispose();
}

```

```

private void button11_Click(object sender, EventArgs e)
{
int x = 0, y = 0;
x = Convert.ToInt32(cbBulanLp.SelectedItem);
y = Convert.ToInt32(cbTahunLp.SelectedItem);
dgLP.DataSource = getLp(x,y).Tables[0];
txtJmlBeli.Text = TotalLp.ToString();
txtJmlBrgBeli.Text = TotalBarang.ToString();
txtDpLp.Text = TotalDPLp.ToString();
txtKurangLp.Text = TotalKurangLp.ToString();
}

```

```

public DataSet getLp(int bln,int thn)
{
int x = 0;
TotalLp = 0;
TotalBarang = 0;
DataSet ds = new DataSet();
SqlConnection sqlConnection = new SqlConnection(strConnection);
SqlConnection conn = new SqlConnection(strConnection);
conn.Open();
SqlCommand comm = new SqlCommand("SELECT Count(*) FROM Pembelian where
MONTH(tanggal) = " + bln + " and YEAR(tanggal) = " + thn, conn);
Int32 count = (Int32)comm.ExecuteScalar();
conn.Close();
string[] IDBeli = new string[count];
string SQLQuery = "SELECT IdPembelian, DP, kekurangan FROM Pembelian where
MONTH(tanggal) = " + bln + " and YEAR(tanggal) = " + thn;
SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
sqlConnection.Open();
Dr = command.ExecuteReader();
while (Dr.Read())
{
IDBeli[x] = Dr["idPembelian"].ToString();
//string query = "Select namaBarang 'Nama Barang',harga 'Harga',jumlah
'Jumlah',potongan 'Potongan / Diskon',totalHarga 'Total',statusBarang 'Status'
from DetailPembelian where idPembelian = '" + IDBeli[x] + "'";
string query = "Select DetailPembelian.namaBarang 'Nama
Barang',DetailPembelian.harga 'Harga',DetailPembelian.jumlah
'Jumlah',DetailPembelian.potongan 'Potongan / Diskon',DetailPembelian.totalHarga
'Total',DetailPembelian.statusBarang 'Status', Pembelian.tanggal 'Tanggal' from
DetailPembelian INNER JOIN Pembelian ON DetailPembelian.idPembelian =
Pembelian.idPembelian where DetailPembelian.idPembelian = '" + IDBeli[x] + "'";
string query1 = "Select * from DetailPembelian where idPembelian = '" + IDBeli[x]
+ "'";
SqlConnection con1 = new SqlConnection(strConnection);
SqlCommand command1 = new SqlCommand(query1, con1);
}
}

```

```

TotalDPLp = TotalDPLp + Convert.ToInt32(Dr["DP"]);
TotalKurangLp = TotalKurangLp + Convert.ToInt32(Dr["kekurangan"]);
con1.Open();
SqlDataReader Dr1 = command1.ExecuteReader();
while (Dr1.Read())
{
TotalLp = TotalLp + Convert.ToInt32(Dr1["totalHarga"]);
TotalBarang = TotalBarang + Convert.ToInt32(Dr1["jumlah"]);
}
con1.Close();
SqlDataAdapter da = new SqlDataAdapter(query, con1);
x++;
da.Fill(ds, "Details");
}
sqlConnection.Close();

return ds;
}

private void tabPage3_Click(object sender, EventArgs e)
{

}

private void tabPage1_Click(object sender, EventArgs e)
{

}

private void button2_Click(object sender, EventArgs e)
{
SqlConnection conn = new SqlConnection();
conn.ConnectionString = strConnection;
conn.Open();
SqlCommand cmd = new SqlCommand();
cmd.Connection = conn;
cmd.CommandText =
"Select idPembelian 'ID Pembelian',tanggalJatuhTempo 'Tanggal Jatuh
Tempo',tanggalBayar 'Tanggal Bayar', "
+"totalBiaya 'Total Biaya' , Kekurangan , pembayaran 'Jumlah Dibayar' ,
statusBayar 'Status Bayar' "
+ "from Pembayaran where MONTH(tanggalBayar) = " +
Convert.ToInt32(cbBlnBr.SelectedItem) + " and YEAR(tanggalBayar) = " +
Convert.ToInt32(cbThnBr.SelectedItem);
cmd.CommandType = CommandType.Text;
SqlDataAdapter objDA = new SqlDataAdapter(cmd);
objDA.SelectCommand.CommandText = cmd.CommandText.ToString();
DataTable dt = new DataTable();
objDA.Fill(dt);
dgBayar.DataSource = dt;
conn.Dispose();
}

private void homeToolStripMenuItem_Click(object sender, EventArgs e)
{
FormHome FH = new FormHome();
FH.setRoleText(lblRoles.Text);
FH.setUserText(lblUser.Text);
FH.UserRestrict(lblRoles.Text);
FH.Show();
this.Hide();
}

```

```

private void cbHari_SelectedIndexChanged(object sender, EventArgs e)
{
}

private void dgPembelian_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
}

private void dgLP_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
}

private void txtKurangPB_TextChanged(object sender, EventArgs e)
{
}

private void lblUser_Click(object sender, EventArgs e)
{
}

private void cbIDBD_SelectedIndexChanged(object sender, EventArgs e)
{
}
}

```

*Source Code Tambah Barang di Penjualan :*

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace AplikasiToko
{
    public partial class FormPenjualan : Form
    {
        public FormHome logicalPrnt { get; set; }
        SqlDataReader Dr;
        string[] ID = new string[20];
        int[] jml = new int[10];
        int stok = 0, stoksebelum = 0, stoksesudah = 0, i = 0, j = 0;
        int TotalLp = 0, TotalBarang = 0;
        string strConnection = "server=DESKTOP-J1Q3JJ8\\JUANKSQL; initial
catalog=TokoGandrung; user id=sa; password=123;";
        public FormPenjualan()
        {
            InitializeComponent();

```

```

RefreshDG();
for (int i = 1; i < 32; i++)
{
    cbHari.Items.Add(i);
    cbHariLp.Items.Add(i);
}
for (int i = 1; i < 13; i++)
{
    cbBulan.Items.Add(i);
    cbBlnLp.Items.Add(i);
}
for (int i = 2017; i < 3000; i++)
{
    cbTahun.Items.Add(i);
    cbThnLp.Items.Add(i);
}
// laporan_load();
}

```

```

public void RefreshDG()
{
    int ctr;
    string lastval = "", codeval;
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    String SQLQuery = "SELECT idPenjualan FROM Penjualan";
    SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
    sqlConnection.Open();
    Dr = command.ExecuteReader();
    if (Dr.HasRows == false)
    {
        txtID.Text = "J000001";
    }
    else
    {
        while (Dr.Read())
        {
            lastval = Dr["idPenjualan"].ToString();
        }
        codeval = lastval.Substring(1, 6);
        ctr = Convert.ToInt32(codeval);
        if ((ctr >= 1) && (ctr < 9))
        {
            ctr = ctr + 1;
            txtID.Text = "J00000" + ctr;
        }
        else if ((ctr >= 9) && (ctr < 99))
        {
            ctr = ctr + 1;
            txtID.Text = "J0000" + ctr;
        }
        else if ((ctr >= 99) && (ctr < 999))
        {
            ctr = ctr + 1;
            txtID.Text = "J000" + ctr;
        }
        else if ((ctr >= 999) && (ctr < 9999))
        {
            ctr = ctr + 1;
            txtID.Text = "J00" + ctr;
        }
        else if ((ctr >= 9999) && (ctr < 99999))
        {

```



```

        ctr = ctr + 1;
        txtID.Text = "J0" + ctr;
    }
    else if (ctr >= 99999)
    {
        ctr = ctr + 1;
        txtID.Text = "J" + ctr;
    }
    txtTotal.Text = "0";
    cbBulan.Text = "";
    cbHari.Text = "";
    cbTahun.Text = "";
    dgPenjualan.DataSource = null;
}
}
public string IDPenjualan()
{
    return txtID.Text;
}

public void setEditTotal(int a)
{
    txtTotal.Text = a.ToString();
}

private void label1_Click(object sender, EventArgs e)
{
}

public bool ValidateDate(int hari, int bulan)
{
    int a = Convert.ToInt32(cbTahun.Text);
    if ((bulan != 1) && (bulan != 3) && (bulan != 5) && (bulan != 7) && (bulan
!= 8) && (bulan != 10) & (bulan != 12))
    {
        if (hari == 31)
            return false;
        else if (bulan == 2)
        {
            if (hari == 30)
                return false;
            else if (cekKabisat(a) == false)
            {
                if (hari == 29)
                    return false;
            }
        }
    }
    return true;
}

public bool cekKabisat(int year)
{
    if (year % 4 != 0)
        return false;
    else
        if ((year % 100 == 0) && (year % 400 != 0))
            return false;
        else
            return true;
}
}

```

```

public bool CekKosong()
{
    if ((cbHari.Text == "") || (cbBulan.Text == "") || (cbTahun.Text == ""))
    {
        return true;
    }
    else
        return false;
}

```

```

public void setDg(string a)
{
    dgPenjualan.DataSource = getDetails(a).Tables[0];
}
public DataSet getDetails(string NoNota)
{
    //string query = "Select namaBarang 'Nama Barang',harga 'Harga',jumlah
    'Jumlah',potongan 'Potongan / Diskon',totalHarga 'Total' from DetailPenjualan where
    idPenjualan = '" + NoNota + "'";
    string query = "Select DetailPenjualan.namaBarang 'Nama
    Barang',DetailPenjualan.harga 'Harga',DetailPenjualan.jumlah
    'Jumlah',DetailPenjualan.potongan 'Potongan / Diskon',DetailPenjualan.totalHarga
    'Total', Penjualan.tanggalPenjualan 'Tanggal' from DetailPenjualan left join Penjualan
    on DetailPenjualan.idPenjualan = Penjualan.idPenjualan where
    DetailPenjualan.idPenjualan = '" + NoNota + "'";
    SqlConnection con = new SqlConnection(strConnection);
    SqlDataAdapter da = new SqlDataAdapter(query, con);
    DataSet ds = new DataSet();
    da.Fill(ds, "Details");
    return ds;
}
public void setTotal(int a)
{
    int b = Convert.ToInt32(txtTotal.Text) + a;
    txtTotal.Text = b.ToString();
}

```

```

private void button2_Click(object sender, EventArgs e)
{
    // if (CekKosong() == true)
    if(1 == 0)
    {
        MessageBox.Show("Nama Dan Tanggal Harus diisi dulu !!!");
    }
    //else if (ValidateDate(Convert.ToInt32(cbHari.Text),
    Convert.ToInt32(cbBulan.Text)) == false)
    else if(1 == 0)
    {
        MessageBox.Show("Tanggal tidak valid !!!");
    }
    else
    {
        SqlConnection sqlConnection = new SqlConnection(strConnection);
        String SQLQuery = "SELECT idPenjualan FROM Penjualan where
        idPenjualan='" + txtID.Text + "'";
        SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
        sqlConnection.Open();
        Dr = command.ExecuteReader();
        if (Dr.HasRows == false)
        {
            sqlConnection.Close();
        }
    }
}

```

```

        SqlCommand cmd = new SqlCommand("Insert Into
Penjualan(idPenjualan,tanggalPenjualan,nominalPenjualan) Values
(@id,@tanggal,@harga)");
        cmd.CommandType = CommandType.Text;
        cmd.Connection = sqlConnection;
        cmd.Parameters.AddWithValue("@id", txtID.Text);
        string tanggal = cbTahun.SelectedItem + "-" +
cbBulan.SelectedItem + "-" + cbHari.SelectedItem;

```

```

        const string FMT = "yyyy-MM-dd";
        DateTime now1 = DateTime.Now;
        string temp_tanggal = now1.ToString(FMT);
        cmd.Parameters.AddWithValue("@tanggal", temp_tanggal);

```

```

        string x = "0";
        cmd.Parameters.AddWithValue("@harga", x);
        sqlConnection.Open();
        cmd.ExecuteNonQuery();
    }
    sqlConnection.Close();
    TambahJualBarang a = new TambahJualBarang();
    a.LogicalParent = this;
    a.Show();
    a.NumberNota(txtID.Text);
    this.Enabled = false;
}
}

```

```

private void button3_Click(object sender, EventArgs e)
{
    //if (CekKosong() == true)
    if(1 == 0)
    {
        MessageBox.Show("Nama Dan Tanggal Harus diisi dulu !!!");
    }
    //else if (ValidateDate(Convert.ToInt32(cbHari.Text),
Convert.ToInt32(cbBulan.Text)) == false)
    else if(1 == 0)
    {

```

```

        MessageBox.Show("Tanggal tidak valid !!!");
    }
    else
    {
        EditJualBarang b = new EditJualBarang();
        b.LogicalParent = this;
        b.Show();
        this.Enabled = false;
    }
}
}

```

```

private void button6_Click(object sender, EventArgs e)
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    String SQLQuery = "SELECT * FROM Barang where namaBarang =" + cbID.Text +
"";
    SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
    sqlConnection.Open();
    Dr = command.ExecuteReader();
    while (Dr.Read())
    {

```

```

        txtStok.Text = Dr["stok"].ToString();
        txtGrosir.Text = Dr["hargaJual2"].ToString();
        txtSatuan.Text = Dr["hargajual1"].ToString();
    }
    sqlConnection.Close();
}

```

```

private void FormPenjualan_Load(object sender, EventArgs e)
{
    // TODO: This line of code loads data into the
    'tokoGandrungDataSet2.Barang' table. You can move, or remove it, as needed.
    this.barangTableAdapter.Fill(this.tokoGandrungDataSet2.Barang);
}

```

```

private void homeToolStripMenuItem_Click(object sender, EventArgs e)
{
    FormHome FH = new FormHome();
    FH.setRoleText(lblRoles.Text);
    FH.setUserText(lblUser.Text);
    FH.UserRestrict(lblRoles.Text);
    FH.Show();
    this.Hide();
}
public void Roles(string Roles)
{
    lblRoles.Text = Roles;
}
public void User(string user)
{
    lblUser.Text = user;
}

```

```

private void label16_Click(object sender, EventArgs e)
{
}

```

```

private void menuStrip1_ItemClicked(object sender,
ToolStripItemClickedEventArgs e)
{
}

```

```

private void button7_Click(object sender, EventArgs e)
{
    string tanggal = cbThnLp.SelectedItem + "-" + cbBlnLp.SelectedItem + "-" +
cbHariLp.SelectedItem;
    dgLaporan.DataSource = getLp(tanggal).Tables[0];
    txtPms.Text = TotalLp.ToString();
    txtBT.Text = TotalBarang.ToString();
    // dgLaporan.DataBind();
}

```

```

public DataSet getLp(string tgl)
{
    int x = 0;
    TotalLp = 0;
    TotalBarang = 0;
    DataSet ds = new DataSet();
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    SqlConnection conn = new SqlConnection(strConnection);
}

```

```

        conn.Open();
        SqlCommand comm = new SqlCommand("SELECT Count(*) FROM Penjualan where
tanggalPenjualan='" + tgl + "'", conn);
        Int32 count = (Int32)comm.ExecuteScalar();
        conn.Close();
        string[] IDJual = new string[count];
        string SQLQuery = "SELECT IdPenjualan FROM Penjualan where
tanggalPenjualan='" + tgl + "'";
        SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
        sqlConnection.Open();
        Dr = command.ExecuteReader();
        while (Dr.Read())
        {
            IDJual[x] = Dr["idPenjualan"].ToString();
            string query = "Select namaBarang 'Nama Barang',harga 'Harga',jumlah
'Jumlah',potongan 'Potongan / Diskon',totalHarga 'Total' from DetailPenjualan where
idPenjualan = '" + IDJual[x] + "'";
            string query1 = "Select * from DetailPenjualan where idPenjualan = '"
+ IDJual[x] + "'";
            SqlConnection con1 = new SqlConnection(strConnection);
            SqlCommand command1 = new SqlCommand(query1, con1);
            con1.Open();
            SqlDataReader Dr1 = command1.ExecuteReader();
            while(Dr1.Read())
            {
                TotalLp = TotalLp + Convert.ToInt32(Dr1["totalHarga"]);
                TotalBarang = TotalBarang + Convert.ToInt32(Dr1["jumlah"]);
            }
            con1.Close();
            SqlDataAdapter da = new SqlDataAdapter(query, con1);
            x++;
            da.Fill(ds, "Details");
        }
        sqlConnection.Close();

        return ds;
    }
}

```

```

private void button4_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(cbBulan.Text);
    int b = Convert.ToInt32(cbHari.Text);
    if (CekKosong() == true)
    {
        MessageBox.Show("Nama Dan Tanggal Harus diisi dulu !!!");
    }
    else if (ValidateDate(b, a) == false)
    {
        MessageBox.Show("Tanggal tidak valid !!!");
    }
    else
    {
        string tanggal = cbTahun.SelectedItem + "-" + cbBulan.SelectedItem +
        "-" + cbHari.SelectedItem;
        SqlConnection sqlConnection = new SqlConnection(strConnection);
        string query2 = "update Penjualan set tanggalPenjualan='" + tanggal +
        "', nominalPenjualan=" + txtTotal.Text + " Where idPenjualan = '" + txtID.Text + "'";
        SqlCommand cmd2 = new SqlCommand(query2, sqlConnection);
        sqlConnection.Open();
        cmd2.ExecuteNonQuery();
        sqlConnection.Close();
        MessageBox.Show("Data Disimpan Dengan Sukses !!!!");
    }
}

```

```

        RefreshDG();
    }
}

private void button5_Click(object sender, EventArgs e)
{
    DialogResult dlgresult = MessageBox.Show("Apa anda yakin akan Menghapus
Semua Data ?", "Konfirmasi menutup",
        MessageBoxButtons.YesNo,
        MessageBoxIcon.Question);
    if (dlgresult == DialogResult.Yes)
    {
        kembalikanStok();
        deleteDetailPenjualan();
        deleteDataPenjualan();
        RefreshDG();
        Array.Clear(ID, 0, ID.Length);
        Array.Clear(jml, 0, jml.Length);
    }
}

```

```

public void kembalikanStok()
{
    j = 0;
    getIdJml();
    for (j = 0; j <= i; j++)
    {
        stoksebelum = GetStok(ID[j]);
        stoksesudah = stoksebelum + jml[j];
        UpdateStok(ID[j], stoksesudah);
    }
}

```

```

public void getIdJml()
{
    i = 0;
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query1 = "SELECT * FROM DetailPenjualan where IdPenjualan=" +
txtID.Text + "'";
    SqlCommand command2 = new SqlCommand(query1, sqlConnection);
    sqlConnection.Open();
    Dr = command2.ExecuteReader();
    while (Dr.Read())
    {
        ID[i] = Dr["namaBarang"].ToString();
        jml[i] = Convert.ToInt32(Dr["jumlah"]);
        i++;
    }
    sqlConnection.Close();
}

```

```

public void UpdateStok(string nama, int stoknya)
{
    string queryUpdate = "Update Barang set stok = " + stoknya + " where
namaBarang = '" + nama + "'";
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    SqlCommand cmd2 = new SqlCommand(queryUpdate, sqlConnection);
    sqlConnection.Open();
    cmd2.ExecuteNonQuery();
    sqlConnection.Close();
}

```

```

public int GetStok(string nama)
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query1 = "SELECT * FROM Barang where namaBarang='" + nama + "'";
    SqlCommand command2 = new SqlCommand(query1, sqlConnection);
    sqlConnection.Open();
    Dr = command2.ExecuteReader();
    while (Dr.Read())
    {
        stok = Convert.ToInt32(Dr["stok"]);
    }
    sqlConnection.Close();
    return stok;
}

public void deleteDataPenjualan()
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query1 = "Delete FROM Penjualan where idPenjualan='" + txtID.Text +
    ""';
    SqlCommand command2 = new SqlCommand(query1, sqlConnection);
    sqlConnection.Open();
    Dr = command2.ExecuteReader();
    sqlConnection.Close();
}

public void deleteDetailPenjualan()
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query1 = "Delete FROM DetailPenjualan where idPenjualan='" +
    txtID.Text + "'";
    SqlCommand command2 = new SqlCommand(query1, sqlConnection);
    sqlConnection.Open();
    Dr = command2.ExecuteReader();
    sqlConnection.Close();
}

private void tabPage1_Click(object sender, EventArgs e)
{
}

private void dgPenjualan_CellContentClick(object sender,
DataGridViewCellEventArgs e)
{
}
}
}

```

*Source Code Edit Barang :*

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

```

```

namespace AplikasiToko
{
    public partial class FormPenjualan : Form
    {
        public FormHome logicalPrnt { get; set; }
        SqlDataReader Dr;
        string[] ID = new string[20];
        int[] jml = new int[10];
        int stok = 0, stoksebelum = 0, stokesudah = 0, i = 0, j = 0;
        int TotalLp = 0, TotalBarang = 0;
        string strConnection = "server=DESKTOP-J1Q3JJ8\\JUANKSQL; initial
catalog=TokoGandrung; user id=sa; password=123;";
        public FormPenjualan()
        {
            InitializeComponent();
            RefreshDG();
            for (int i = 1; i < 32; i++)
            {
                cbHari.Items.Add(i);
                cbHariLp.Items.Add(i);
            }
            for (int i = 1; i < 13; i++)
            {
                cbBulan.Items.Add(i);
                cbBlnLp.Items.Add(i);
            }
            for (int i = 2017; i < 3000; i++)
            {
                cbTahun.Items.Add(i);
                cbThnLp.Items.Add(i);
            }
            // laporan_load();
        }
    }
}

```

```

public void RefreshDG()
{
    int ctr;
    string lastval = "", codeval;
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    String SQLQuery = "SELECT idPenjualan FROM Penjualan";
    SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
    sqlConnection.Open();
    Dr = command.ExecuteReader();
    if (Dr.HasRows == false)
    {
        txtID.Text = "J000001";
    }
    else
    {
        while (Dr.Read())
        {
            lastval = Dr["idPenjualan"].ToString();
        }
        codeval = lastval.Substring(1, 6);
        ctr = Convert.ToInt32(codeval);
        if ((ctr >= 1) && (ctr < 9))
        {
            ctr = ctr + 1;
            txtID.Text = "J00000" + ctr;
        }
        else if ((ctr >= 9) && (ctr < 99))
        {
        }
    }
}

```



```

        ctr = ctr + 1;
        txtID.Text = "J0000" + ctr;
    }
    else if ((ctr >= 99) && (ctr < 999))
    {
        ctr = ctr + 1;
        txtID.Text = "J000" + ctr;
    }
    else if ((ctr >= 999) && (ctr < 9999))
    {
        ctr = ctr + 1;
        txtID.Text = "J00" + ctr;
    }
    else if ((ctr >= 9999) && (ctr < 99999))
    {
        ctr = ctr + 1;
        txtID.Text = "J0" + ctr;
    }
    else if (ctr >= 99999)
    {
        ctr = ctr + 1;
        txtID.Text = "J" + ctr;
    }
    txtTotal.Text = "0";
    cbBulan.Text = "";
    cbHari.Text = "";
    cbTahun.Text = "";
    dgPenjualan.DataSource = null;
}
}
public string IDPenjualan()
{
    return txtID.Text;
}

```

```

public void setEditTotal(int a)
{
    txtTotal.Text = a.ToString();
}

```

```

private void label1_Click(object sender, EventArgs e)
{
}

```

```

public bool ValidateDate(int hari, int bulan)
{
    int a = Convert.ToInt32(cbTahun.Text);
    if ((bulan != 1) && (bulan != 3) && (bulan != 5) && (bulan != 7) && (bulan
!= 8) && (bulan != 10) & (bulan != 12))
    {
        if (hari == 31)
            return false;
        else if (bulan == 2)
        {
            if (hari == 30)
                return false;
            else if (cekKabisat(a) == false)
            {
                if (hari == 29)
                    return false;
            }
        }
    }
}

```

```

    }
    }
    return true;
}

```

```

public bool cekKabisat(int year)
{
    if (year % 4 != 0)
        return false;
    else
        if ((year % 100 == 0) && (year % 400 != 0))
            return false;
        else
            return true;
}

```

```

public bool CekKosong()
{
    if ((cbHari.Text == "") || (cbBulan.Text == "") || (cbTahun.Text == ""))
    {
        return true;
    }
    else
        return false;
}

```

```

public void setDg(string a)
{
    dgPenjualan.DataSource = getDetails(a).Tables[0];
}
public DataSet getDetails(string NoNota)
{
    //string query = "Select namaBarang 'Nama Barang',harga 'Harga',jumlah
    'Jumlah',potongan 'Potongan / Diskon',totalHarga 'Total' from DetailPenjualan where
    idPenjualan = '" + NoNota + "'";
    string query = "Select DetailPenjualan.namaBarang 'Nama
    Barang',DetailPenjualan.harga 'Harga',DetailPenjualan.jumlah
    'Jumlah',DetailPenjualan.potongan 'Potongan / Diskon',DetailPenjualan.totalHarga
    'Total', Penjualan.tanggalPenjualan 'Tanggal' from DetailPenjualan left join Penjualan
    on DetailPenjualan.idPenjualan = Penjualan.idPenjualan where
    DetailPenjualan.idPenjualan = '" + NoNota + "'";
    SqlConnection con = new SqlConnection(strConnection);
    SqlDataAdapter da = new SqlDataAdapter(query, con);
    DataSet ds = new DataSet();
    da.Fill(ds, "Details");
    return ds;
}
public void setTotal(int a)
{
    int b = Convert.ToInt32(txtTotal.Text) + a;
    txtTotal.Text = b.ToString();
}

```

```

private void button2_Click(object sender, EventArgs e)
{
    // if (CekKosong() == true)
    if(1 == 0)
    {
        MessageBox.Show("Nama Dan Tanggal Harus diisi dulu !!!");
    }
    //else if (ValidateDate(Convert.ToInt32(cbHari.Text),
    Convert.ToInt32(cbBulan.Text)) == false)
}

```

```

else if(1 == 0)
{
    MessageBox.Show("Tanggal tidak valid !!!");
}
else
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    String SQLQuery = "SELECT idPenjualan FROM Penjualan where
idPenjualan=' " + txtID.Text + "'";
    SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
    sqlConnection.Open();
    Dr = command.ExecuteReader();
    if (Dr.HasRows == false)
    {
        sqlConnection.Close();
        SqlCommand cmd = new SqlCommand("Insert Into
Penjualan(idPenjualan,tanggalPenjualan,nominalPenjualan) Values
(@id,@tanggal,@harga)");
        cmd.CommandType = CommandType.Text;
        cmd.Connection = sqlConnection;
        cmd.Parameters.AddWithValue("@id", txtID.Text);
        string tanggal = cbTahun.SelectedItem + "-" +
cbBulan.SelectedItem + "-" + cbHari.SelectedItem;

```

```

const string FMT = "yyyy-MM-dd";
DateTime now1 = DateTime.Now;
string temp_tanggal = now1.ToString(FMT);
cmd.Parameters.AddWithValue("@tanggal", temp_tanggal);

```

```

string x = "0";
cmd.Parameters.AddWithValue("@harga", x);
sqlConnection.Open();
cmd.ExecuteNonQuery();
}
sqlConnection.Close();
TambahJualBarang a = new TambahJualBarang();
a.LogicalParent = this;
a.Show();
a.NumberNota(txtID.Text);
this.Enabled = false;
}
}

```

```

private void button3_Click(object sender, EventArgs e)
{
    //if (CekKosong() == true)
    if(1 == 0)
    {
        MessageBox.Show("Nama Dan Tanggal Harus diisi dulu !!!");
    }
    //else if (ValidateDate(Convert.ToInt32(cbHari.Text),
Convert.ToInt32(cbBulan.Text)) == false)
    else if(1 == 0)
    {

```

```

        MessageBox.Show("Tanggal tidak valid !!!");
    }
    else
    {
        EditJualBarang b = new EditJualBarang();
        b.LogicalParent = this;
        b.Show();
    }
}

```

```
        this.Enabled = false;
    }
}
```

```
private void button6_Click(object sender, EventArgs e)
{
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    String SQLQuery = "SELECT * FROM Barang where namaBarang = '" + cbID.Text +
    "'";
    SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
    sqlConnection.Open();
    Dr = command.ExecuteReader();
    while (Dr.Read())
    {
        txtStok.Text = Dr["stok"].ToString();
        txtGrosir.Text = Dr["hargaJual2"].ToString();
        txtSatuan.Text = Dr["hargajual1"].ToString();
    }
    sqlConnection.Close();
}
```

```
private void FormPenjualan_Load(object sender, EventArgs e)
{
    // TODO: This line of code loads data into the
    'tokoGandrungDataSet2.Barang' table. You can move, or remove it, as needed.
    this.barangTableAdapter.Fill(this.tokoGandrungDataSet2.Barang);
}
}
```

```
private void homeToolStripMenuItem_Click(object sender, EventArgs e)
{
    FormHome FH = new FormHome();
    FH.setRoleText(lblRoles.Text);
    FH.setUserText(lblUser.Text);
    FH.UserRestrict(lblRoles.Text);
    FH.Show();
    this.Hide();
}
public void Roles(string Roles)
{
    lblRoles.Text = Roles;
}
public void User(string user)
{
    lblUser.Text = user;
}
}
```

```
private void label16_Click(object sender, EventArgs e)
{
}
}
```

```
private void menuStrip1_ItemClicked(object sender,
ToolStripItemClickedEventArgs e)
{
}
}
```

```
private void button7_Click(object sender, EventArgs e)
{
}
```

```

        string tanggal = cbThnLp.SelectedItem + "-" + cbBlnLp.SelectedItem + "-" +
        cbHariLp.SelectedItem;
        dgLaporan.DataSource = getLp(tanggal).Tables[0];
        txtPms.Text = TotalLp.ToString();
        txtBT.Text = TotalBarang.ToString();
        // dgLaporan.DataBind();
    }

```

```

public DataSet getLp(string tgl)
{
    int x = 0;
    TotalLp = 0;
    TotalBarang = 0;
    DataSet ds = new DataSet();
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    SqlConnection conn = new SqlConnection(strConnection);
    conn.Open();
    SqlCommand comm = new SqlCommand("SELECT Count(*) FROM Penjualan where
tanggalPenjualan='" + tgl + "'", conn);
    Int32 count = (Int32)comm.ExecuteScalar();
    conn.Close();
    string[] IDJual = new string[count];
    string SQLQuery = "SELECT IdPenjualan FROM Penjualan where
tanggalPenjualan='" + tgl + "'";
    SqlCommand command = new SqlCommand(SQLQuery, sqlConnection);
    sqlConnection.Open();
    Dr = command.ExecuteReader();
    while (Dr.Read())
    {
        IDJual[x] = Dr["idPenjualan"].ToString();
        string query = "Select namaBarang 'Nama Barang',harga 'Harga',jumlah
'Jumlah',potongan 'Potongan / Diskon',totalHarga 'Total' from DetailPenjualan where
idPenjualan = '" + IDJual[x] + "'";
        string query1 = "Select * from DetailPenjualan where idPenjualan = '"
+ IDJual[x] + "'";
        SqlConnection con1 = new SqlConnection(strConnection);
        SqlCommand command1 = new SqlCommand(query1, con1);
        con1.Open();
        SqlDataReader Dr1 = command1.ExecuteReader();
        while(Dr1.Read())
        {
            TotalLp = TotalLp + Convert.ToInt32(Dr1["totalHarga"]);
            TotalBarang = TotalBarang + Convert.ToInt32(Dr1["jumlah"]);
        }
        con1.Close();
        SqlDataAdapter da = new SqlDataAdapter(query, con1);
        x++;
        da.Fill(ds, "Details");
    }
    sqlConnection.Close();

```

```

        return ds;
    }

```

```

private void button4_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(cbBulan.Text);
    int b = Convert.ToInt32(cbHari.Text);
    if (CekKosong() == true)
    {
        MessageBox.Show("Nama Dan Tanggal Harus diisi dulu !!!");
    }
}

```

```

else if (ValidateDate(b, a) == false)
{
    MessageBox.Show("Tanggal tidak valid !!!");
}
else
{
    string tanggal = cbTahun.SelectedItem + "-" + cbBulan.SelectedItem +
    "-" + cbHari.SelectedItem;
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query2 = "update Penjualan set tanggalPenjualan='" + tanggal +
    "', nominalPenjualan=" + txtTotal.Text + " Where idPenjualan = '" + txtID.Text + "'";
    SqlCommand cmd2 = new SqlCommand(query2, sqlConnection);
    sqlConnection.Open();
    cmd2.ExecuteNonQuery();
    sqlConnection.Close();
    MessageBox.Show("Data Disimpan Dengan Sukses !!!!");
    RefreshDG();
}
}

```

```

private void button5_Click(object sender, EventArgs e)
{
    DialogResult dlgresult = MessageBox.Show("Apa anda yakin akan Menghapus
    Semua Data ?",
    "Konfirmasi menutup",
    MessageBoxButtons.YesNo,
    MessageBoxIcon.Question);
    if (dlgresult == DialogResult.Yes)
    {
        kembalikanStok();
        deleteDetailPenjualan();
        deleteDataPenjualan();
        RefreshDG();
        Array.Clear(ID, 0, ID.Length);
        Array.Clear(jml, 0, jml.Length);
    }
}

```

```

public void kembalikanStok()
{
    j = 0;
    getIdJml();
    for (j = 0; j <= i; j++)
    {
        stoksebelum = GetStok(ID[j]);
        stoksesudah = stoksebelum + jml[j];
        UpdateStok(ID[j], stoksesudah);
    }
}

```

```

public void getIdJml()
{
    i = 0;
    SqlConnection sqlConnection = new SqlConnection(strConnection);
    string query1 = "SELECT * FROM DetailPenjualan where IdPenjualan=" +
    txtID.Text + "'";
    SqlCommand command2 = new SqlCommand(query1, sqlConnection);
    sqlConnection.Open();
    Dr = command2.ExecuteReader();
    while (Dr.Read())
    {
        ID[i] = Dr["namaBarang"].ToString();
    }
}

```

```

                jml[i] = Convert.ToInt32(Dr["jumlah"]);
                i++;
            }
            sqlConnection.Close();
        }
    }

```

```

    public void UpdateStok(string nama, int stoknya)
    {
        string queryUpdate = "Update Barang set stok = " + stoknya + " where
namaBarang = '" + nama + "'";
        SqlConnection sqlConnection = new SqlConnection(strConnection);
        SqlCommand cmd2 = new SqlCommand(queryUpdate, sqlConnection);
        sqlConnection.Open();
        cmd2.ExecuteNonQuery();
        sqlConnection.Close();
    }

    public int GetStok(string nama)
    {
        SqlConnection sqlConnection = new SqlConnection(strConnection);
        string query1 = "SELECT * FROM Barang where namaBarang='" + nama + "'";
        SqlCommand command2 = new SqlCommand(query1, sqlConnection);
        sqlConnection.Open();
        Dr = command2.ExecuteReader();
        while (Dr.Read())
        {
            stok = Convert.ToInt32(Dr["stok"]);
        }
        sqlConnection.Close();
        return stok;
    }

    public void deleteDataPenjualan()
    {
        SqlConnection sqlConnection = new SqlConnection(strConnection);
        string query1 = "Delete FROM Penjualan where idPenjualan='" + txtID.Text +
        "'";
        SqlCommand command2 = new SqlCommand(query1, sqlConnection);
        sqlConnection.Open();
        Dr = command2.ExecuteReader();
        sqlConnection.Close();
    }

```

```

    public void deleteDetailPenjualan()
    {
        SqlConnection sqlConnection = new SqlConnection(strConnection);
        string query1 = "Delete FROM DetailPenjualan where idPenjualan='" +
txtID.Text + "'";
        SqlCommand command2 = new SqlCommand(query1, sqlConnection);
        sqlConnection.Open();
        Dr = command2.ExecuteReader();
        sqlConnection.Close();
    }

```

```

    private void tabPage1_Click(object sender, EventArgs e)
    {
    }

```

```

    private void dgPenjualan_CellContentClick(object sender,
DataGridViewCellEventArgs e)
    {
    }

```

