# Makalah Pembuatan Aplikasi Toko Roti Lagoods



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## KATA PENGANTAR

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Kami selaku penyusun makalah ini sadar bahwa makalah inimasih banyak kekurangan, karena kami menjumpai banyak hambatan dalam penyusunan makalah ini, maka dari itu kami mengharapkan saran dan kritik yang membangun agar kami dapat memperbaiki kesalahan dengan sebaik-baiknya dan kami juga berharap agar makalah ini dapat memberikan banyak manfaat

MEDAN, JULI 2023

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#### BAB 1

### 1.1 Fungsi Anggota Tim

Leader : Sebagai pemimpin jawab tim

Analisis : Sebagai penganalisisan bagaimana aplikasi akan dibuat.

Proggrammer: Sebagai pembuat program

Desain : Sebagai pembuat tampilan interface agar pengguna dapat dengan mudah

memakai program.

Tester : Sebagai penguji coba hasil akhir program.

## 1.2 Latar Belakang

Pada 10 Mei 2023, kami pergi ke toko roti "Lagoods" yang dimiliki oleh ibu Mutia yang terletak di Binjai Sumatera Utara. Sebelum pergi kesana kami sudah dapat kabar ada toko yang mungkin perlu sebuah pengkomputerisasian data pembelian dan penjualan, tapi masih diragukan akan keperluannya, oleh karna itu mungkin kami perlu observasi apa saja yang diperlukan oleh toko tersebut.

Pada saat kami sampai disana, kami disambut pemilik toko rotinya langsung yakni oleh ibut Mutia tersebut, sebelum masuk ke observasi kami disuguhkan makanan, setelah itu kami mulai berbincang-bincang akan hal-hal apa yang dirasakan toko tersebut.

Disana kami bercerita banyak hal tentang kesulitan kesulitan mereka dalam beberapa hal di dalam toko tersebut yakni :

- a. Kurang terstrukturnya data yang ada (bon jual dan beli).
- b. Kehilangan banyak data (bon jual dan beli)
- c. Kesulitan dalam menghitung keuntungan dan kerugian
- d. Kesulitan dalam melihat sisa stok
- e. Kesulitan dalam mendata catering

### BAB 2

## 2.1. Analisis Kebutuhan Pelanggan

Sebelum masuk kelatar belakang, menggunakan metode waterfall. Metode waterfall adalah salah satu pendekatan yang digunakan dalam pengembangan perangkat lunak. Pendekatan ini mengikuti aliran linear dari satu tahap ke tahap berikutnya, mirip dengan air terjun (waterfall) yang mengalir dari atas ke bawah. Metode waterfall didasarkan pada urutan tahap-tahap yang ditentukan sebelumnya, di mana setiap tahap harus selesai sebelum memulai tahap berikutnya.

Berikut adalah tahapan utama dalam metode waterfall:

1. Analisis Kebutuhan: Tahap ini melibatkan pengumpulan kebutuhan dan persyaratan pengguna. Tujuannya adalah memahami kebutuhan sistem yang akan dikembangkan.

- 2. Perancangan: Setelah kebutuhan dikumpulkan, tahap ini melibatkan merancang struktur dan arsitektur sistem secara keseluruhan. Ini mencakup merancang antarmuka pengguna, struktur database, dan desain komponen sistem lainnya.
- 3. Implementasi: Tahap ini adalah saat di mana kode sebenarnya ditulis dan komponen sistem dikembangkan. Tim pengembang bekerja sesuai dengan rencana yang dibuat pada tahap perancangan.
- 4. Pengujian: Setelah implementasi selesai, tahap ini melibatkan pengujian sistem secara menyeluruh. Tujuan utamanya adalah memverifikasi bahwa sistem berfungsi seperti yang diharapkan dan memenuhi kebutuhan pengguna.
- 5. Deployment: Setelah pengujian selesai dan sistem dianggap siap, tahap ini melibatkan pengiriman sistem ke lingkungan produksi atau pengguna akhir.
- 6. Pemeliharaan: Tahap terakhir adalah pemeliharaan sistem. Ini melibatkan pemantauan sistem yang sudah dideploy, penanganan masalah yang muncul, serta pembaruan dan peningkatan jika diperlukan.

Metode waterfall sering digunakan dalam proyek-proyek yang memiliki kebutuhan yang jelas dan stabil, serta ketika perubahan kebutuhan diharapkan minimal. Namun, metode ini kurang fleksibel terhadap perubahan kebutuhan yang mungkin muncul selama pengembangan.

Setelah berdiskusi dengan client, team kami memutuskan untuk membuat aplikasi sederhana yang dapat memudahkan client dalam :

- a. Mengurutkan data yang ada
- b. Menyimpan banyak data
- c. Memudahkan dalam menghitung keuntungan dan kerugian
- d. Memudahkan dalam melihat sisa stok
- e. Memudahkan dalam mendata catering

#### BAB 3

### 3.1 DESAIN

Dalam konteks desain secara umum, desain merujuk pada proses merencanakan dan membuat solusi atau produk yang memenuhi kebutuhan dan tujuan tertentu. Desain melibatkan pemikiran kreatif, penelitian, analisis, dan penggunaan elemen-elemen desain untuk menciptakan sesuatu yang fungsional, estetis, dan efektif.

Dalam desain, terdapat beberapa aspek yang perlu dipertimbangkan, termasuk:

- 1. Fungsi: Desain harus memenuhi fungsi atau kebutuhan tertentu. Misalnya, desain produk harus mampu melakukan tugas yang dimaksudkan dengan baik.
- 2. Estetika: Desain harus memiliki tampilan visual yang menarik atau estetis. Ini melibatkan pemilihan warna, bentuk, proporsi, dan elemen-elemen desain lainnya untuk menciptakan kesan yang diinginkan.

- 3. Ergonomi: Desain harus mempertimbangkan faktor-faktor manusia, seperti kenyamanan, keselamatan, dan efisiensi penggunaan. Ini berarti memikirkan bagaimana produk akan digunakan oleh pengguna dan memastikan bahwa desainnya memungkinkan penggunaan yang mudah dan nyaman.
- 4. Teknis: Desain harus mempertimbangkan batasan teknis, seperti bahan yang tersedia, metode produksi, dan ketersediaan sumber daya. Desain harus dapat direalisasikan secara fisik atau teknis.
- 5. Inovasi: Desain sering kali melibatkan elemen inovasi, di mana ide-ide baru dan kreatif diterapkan untuk menciptakan solusi yang unik dan efektif.

Dalam konteks desain grafis, desain merujuk pada proses membuat komunikasi visual menggunakan elemen-elemen desain seperti tipografi, gambar, warna, dan tata letak. Desain grafis digunakan dalam pembuatan logo, poster, brosur, situs web, dan berbagai media visual lainnya.

Secara keseluruhan, desain melibatkan perencanaan dan penciptaan solusi yang baik dalam berbagai bidang, termasuk desain produk, desain grafis, arsitektur, desain interior, dan banyak lagi. Desain yang baik memadukan fungsi, estetika, ergonomi, dan inovasi untuk menciptakan hasil yang memuaskan dan efektif.

#### 3.2 Flowchart

Flowchart adalah representasi visual dari alur atau urutan langkah-langkah dalam suatu proses atau algoritma. Flowchart menggunakan simbol-simbol grafis yang mewakili berbagai tindakan atau keputusan dan menghubungkannya dengan panah yang menunjukkan arah aliran dari satu langkah ke langkah berikutnya.

Flowchart digunakan untuk memvisualisasikan dan memahami proses yang kompleks secara sistematis. Ini membantu dalam mengidentifikasi langkah-langkah yang harus diambil, kondisi yang harus dipertimbangkan, pengulangan atau looping, dan aliran informasi atau data dalam suatu proses.

Flowchart biasanya digunakan dalam pengembangan perangkat lunak, pemrograman komputer, analisis bisnis, perencanaan proyek, dan

berbagai bidang lainnya yang melibatkan proses atau algoritma. Dengan menggunakan simbol-simbol yang telah ditentukan, flowchart menyederhanakan pemahaman tentang bagaimana suatu proses berjalan dan memungkinkan pengguna untuk mengidentifikasi masalah atau perbaikan yang mungkin diperlukan.

Contoh simbol-simbol yang umum digunakan dalam flowchart telah disebutkan sebelumnya, seperti simbol awal/akhir, simbol tindakan, simbol keputusan, simbol penghubung, simbol input/output, dan simbol pengulangan. Dengan menggabungkan simbol-simbol ini dalam urutan yang tepat, flowchart menggambarkan urutan langkah-langkah yang harus diikuti untuk menyelesaikan suatu tugas atau mencapai hasil yang diinginkan.

Flowchart adalah alat yang efektif untuk komunikasi visual, kolaborasi tim, pemecahan masalah, dan dokumentasi proses. Dalam desain flowchart, penting untuk membuat diagram yang jelas, terstruktur, dan mudah dimengerti oleh orang lain yang melihatnya.

### Perancangan

Setelah informasi dan data dikumpulkan, tahap perancangan dimulai. Pada tahap ini dilakukan beberapa rancangan yaitu use case diagram, flowchart, ERD, database dan normalisasi database dan design form.

#### Pengembangan

Tahap pengembangan melibatkan penerapan rancangan aplikasi Toko yang telah dibuat dalam tahap sebelumnya. Programmers menulis coding, mengabungkan komponen, dan menguji modul perangkat lunak secara terpisah.

### Pengujian

Setelah pengembangan, aplikasi penjualan yang dihasilkan diuji secara menyeluruh dengan menginput seluruh dokumen manual yang telah dikumpulkan pada saat observasi ke dalam aplikasi untuk memastikan telah memenuhi persyaratan yang telah ditetapkan sebelumnya. Pengujian dapat mencakup pengujian fungsionalitas, pengujian integrasi, pengujian keamanan, dan pengujian kinerja.

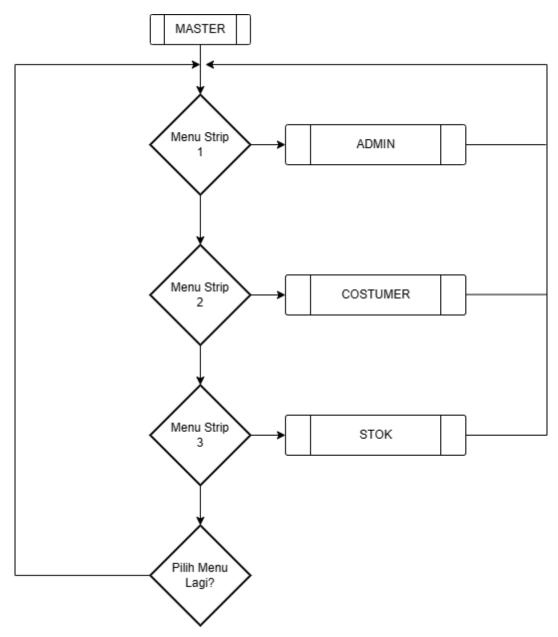
### **Implementasi**

Setelah perangkat lunak melewati pengujian dan dinyatakan siap untuk digunakan, tahap penerapan dimulai. Aplikasi penjualan diterapkan di Toko Roti Lagoods dan digunakan oleh pengguna sesuai dengan kebutuhan yang diinginkan oleh pemilik Toko.

### Pemeliharaan

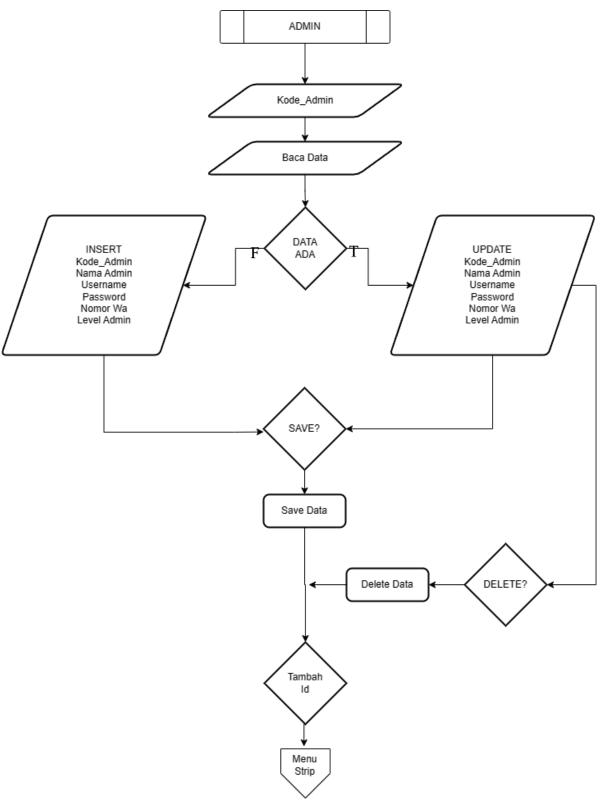
Tahap pemeliharaan melibatkan perawatan aplikasi penjualan setelah penggunaan. Kelompok pengelola proyek akan mengelola perbaikan bug, memperbarui fitur, dan memberikan dukungan teknis yang diperlukan.

# 3.3 Stok Admin Master



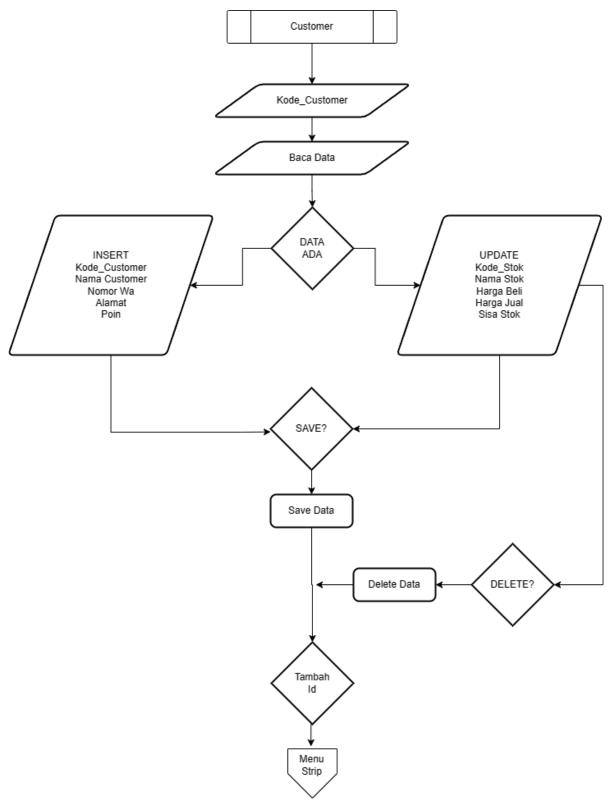
Gambar 3. 1 Flowchart Master

# 3.4 Menu Admin



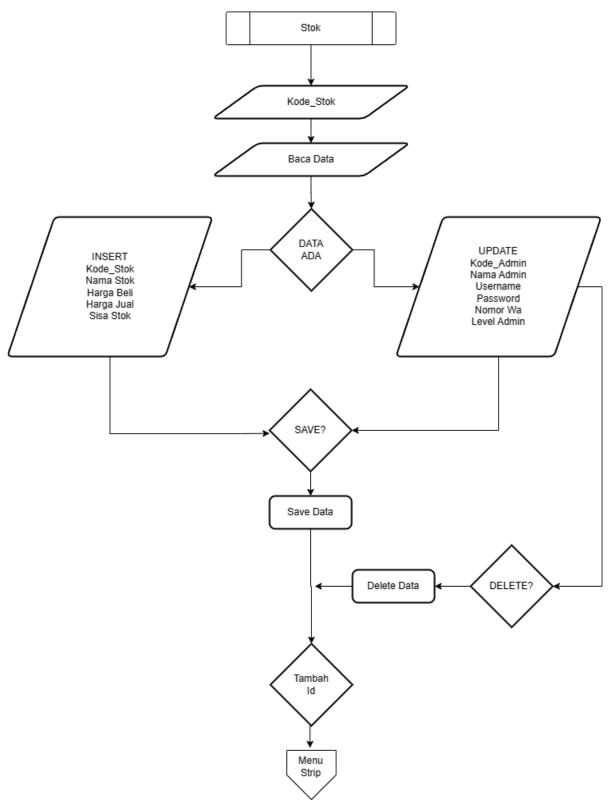
Gambar 3. 2 Flowchart Menu Customer

# 3.5 Menu customer



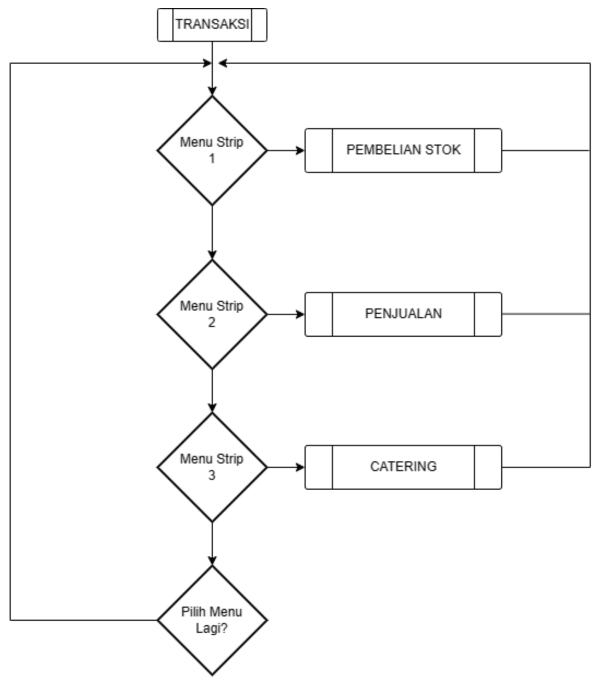
Gambar 3. 3 Flowchart Menu Customer

# 3.6 Menu stok



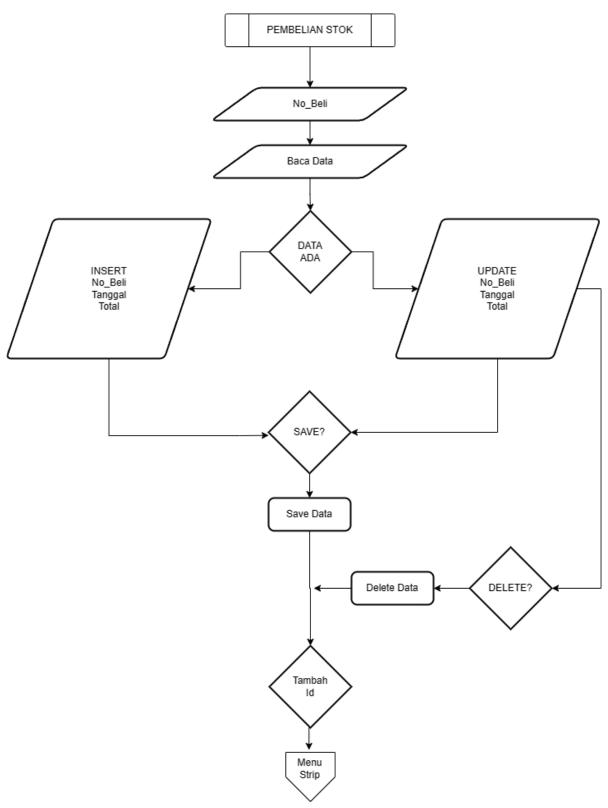
Gambar 3. 4 Flowchart Menu Stok

# 3.7 Menu Transaksi



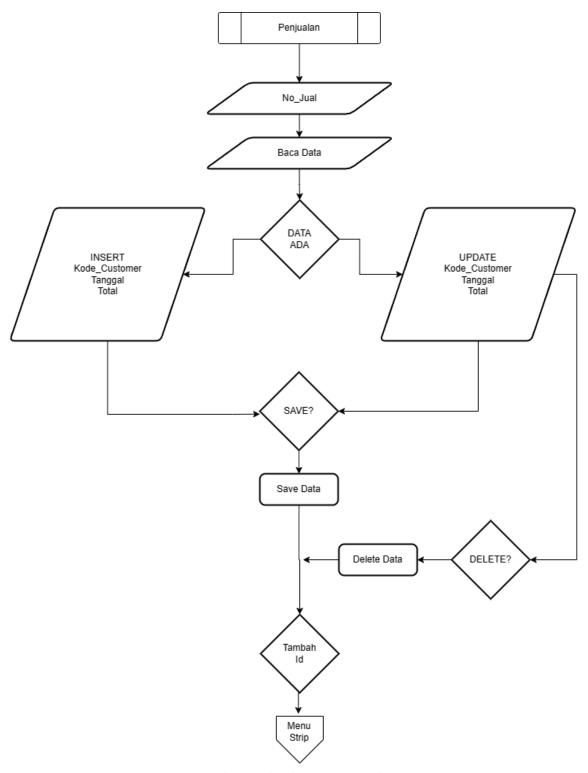
Gambar 3. 5 Flowchart Menu Transaksi

# 3.8 Menu Pembelian stok



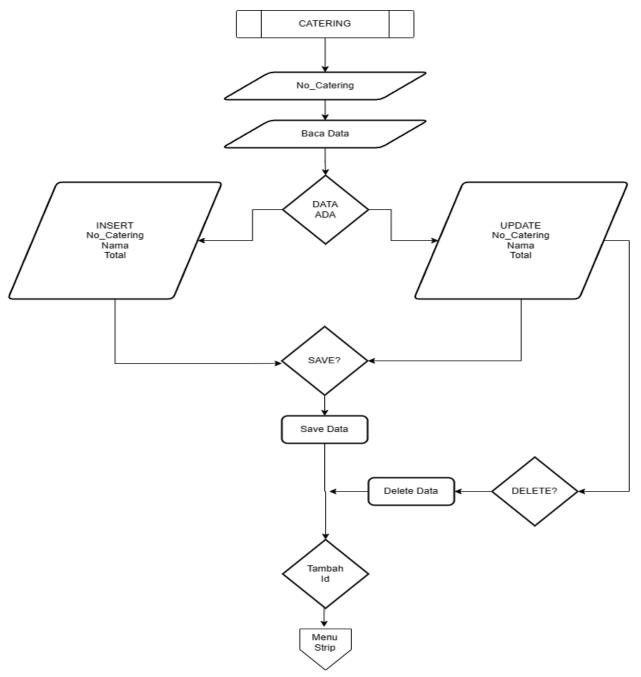
Gambar 3. 6 Flowchart Menu Pembelian Stok

# 3.9 Menu Penjualan



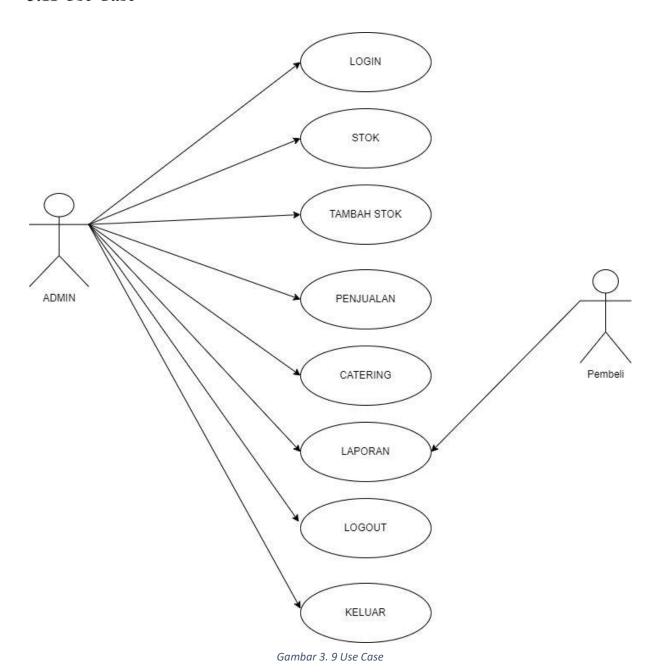
Gambar 3. 7 Flowchart Menu Penjualan

# 3.10 Menu Catering



Gambar 3. 8 Flowchart Menu Catering

# 3.11 Use Case



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## **BAB 4 IMPLEMENTASI DAN CODE**

### **4.1 ERD**

ERD (Entity-Relationship Diagram) adalah suatu diagram yang digunakan untuk menggambarkan struktur data dan hubungan antara entitas dalam suatu sistem basis data. ERD merupakan alat yang berguna dalam analisis dan perancangan basis data, serta membantu dalam memodelkan hubungan antar entitas dalam suatu sistem.

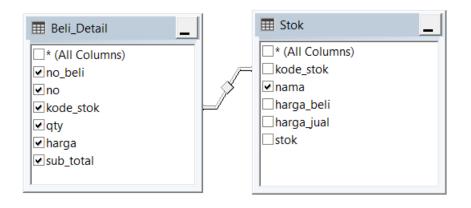
ERD terdiri dari tiga komponen utama: entitas, atribut, dan hubungan.

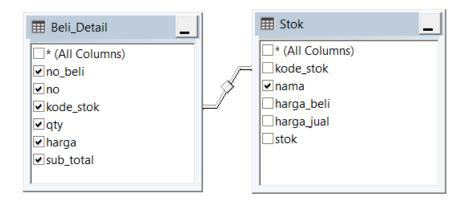
- 1. Entitas: Entitas merupakan objek atau konsep yang ada dalam sistem yang sedang dianalisis. Entitas dapat berupa objek fisik (seperti pengguna, produk) atau konsep logis (seperti transaksi, pesanan). Dalam ERD, entitas digambarkan sebagai persegi panjang dengan nama entitas di dalamnya.
- 2. Atribut: Atribut adalah properti atau karakteristik yang terkait dengan entitas. Atribut menjelaskan informasi yang harus disimpan tentang entitas tersebut. Contoh atribut untuk entitas "pengguna" bisa termasuk nama, alamat, nomor telepon. Atribut digambarkan sebagai elips di dalam persegi panjang entitas.
- 3. Hubungan: Hubungan menggambarkan keterkaitan antara dua entitas atau lebih dalam basis data. Hubungan dapat berupa hubungan satu-ke-satu, satu-ke-banyak, atau banyak-ke-banyak. Hubungan digambarkan sebagai garis yang menghubungkan antara entitas dengan tanda panah yang menunjukkan arah hubungan tersebut.

ERD membantu dalam memodelkan struktur data dengan jelas dan menggambarkan bagaimana entitas berhubungan satu sama lain. Hal ini membantu dalam pemahaman yang lebih baik tentang hubungan dan ketergantungan antara entitas dalam sistem basis data. ERD juga dapat digunakan sebagai dasar untuk merancang skema basis data yang efisien dan mengatur integritas data.

Ada berbagai notasi yang dapat digunakan dalam ERD, termasuk notasi Chen, notasi Crow's Foot, dan notasi UML. Notasi Crow's Foot adalah yang paling umum digunakan, di mana tanda panah digunakan untuk menunjukkan arah hubungan dan simbol "crow's foot" (tanda V) digunakan untuk menunjukkan kardinalitas (misalnya, satu-ke-satu, satu-ke-banyak).

Dalam merancang ERD, penting untuk memperhatikan kebutuhan sistem dan memastikan bahwa ERD yang dibuat mencerminkan dengan akurat struktur dan hubungan data yang diinginkan.





### 4.2 NORMALISASI DATA

- 1. First Normal Form (1NF);
  - Tabel "Roti"
    - kode roti (Pk)
    - nama roti
    - harga beli
    - harga jual
    - stok
  - Tabel "Customer"
    - kode customer (PK)
    - nama customer
    - nomor wa
    - alamat
    - poin
  - Tabel "Admin"
    - kode admin (PK)
    - nama admin
    - username
    - password
    - nomor\_wa
    - level admin

- Tabel "Pembelian Stok"
  - no beli (PK)
  - tanggal
  - total
- Tabel "Pembelian Stok Detail"
  - no\_beli (PK)
  - no
  - kode stok (FK)
  - qty
  - harga
  - sub total
- Tabel "Jual"
  - no jual (PK)
  - kode customer (FK)
  - tanggal
  - total
- Tabel "Jual Detail"
  - no jual (PK)
  - no
  - kode stok (FK)
  - qty
  - harga
  - sub total

# 2. Second Normal Form (2NF)

- Tabel "Roti"
  - kode roti (PK)
  - nama roti
  - harga beli
  - harga jual
- Tabel "Customer"
  - kode customer (PK)
  - nama customer
  - nomor wa
  - alamat
  - poin
- Tabel "Admin"
  - kode admin (PK)
  - nama admin
  - username
  - password
  - nomor wa

- level admin
- Tabel "Pembelian Stok"
  - no beli (PK)
  - tanggal
  - total
- Tabel "Pembelian Stok Detail"
  - no beli (PK)
  - no
  - qty
  - harga
  - sub total
- Tabel "Jual"
  - no jual (PK)
  - kode customer (FK)
  - tanggal
  - total
- Tabel "Jual Detail"
  - no jual (PK)
  - no
  - qty
  - harga
  - sub total
- Tabel "Stok"
  - kode stok (PK,FK)
  - sisa stok

Dalam normalisasi di atas, kita memisahkan informasi stok roti ke dalam tabel terpisah "Roti" untuk menghindari ketergantungan transitif dalam tabel "Stok". Hal inimemastikan bahwa setiap tabel hanya berisi informasi yang relevan dan memiliki ketergantungan yang jelas pada kunci utama penting untuk dicatat bahwa normalisasi dapat bervariasi tergantung pada kebutuhan dan kompleksitas sistem yang diinginkan. Normalisasi yang lebih tinggi mungkin diperlukan dalam skenario yang lebih kompleks. Pastikan untuk memahami persyaratan dan hubungan antara entitas dalam sistem penjualan apotek Anda saat melakukan normalisasi database.

#### 4.3 DataBase

Database adalah kumpulan terstruktur dari data yang diorganisasi dan disimpan dalam suatu sistem komputer. Database menyediakan cara untuk menyimpan, mengelola, dan mengakses informasi secara efisien. Database digunakan secara luas dalam berbagai bidang, termasuk bisnis, ilmu pengetahuan, pendidikan, dan aplikasi teknologi lainnya.

Tujuan utama dari database adalah menyediakan metode penyimpanan data yang terorganisir dan efisien. Database menggunakan struktur data yang konsisten dan didefinisikan sebelumnya, yang memungkinkan data dapat diakses dan dimanipulasi dengan mudah. Dalam database, data diatur dalam tabel, dengan setiap tabel terdiri dari baris dan kolom yang mewakili entitas dan atributnya.

Manfaat utama dari menggunakan database adalah sebagai berikut:

- 1. Pencatatan Data: Database menyediakan cara yang efisien untuk menyimpan dan mencatat data. Dengan database, informasi dapat diorganisasi dengan struktur yang konsisten dan terstruktur, sehingga memudahkan pencarian, pembaruan, dan penghapusan data.
- 2. Integrasi Data: Database memungkinkan data dari berbagai sumber yang berbeda dapat diintegrasikan ke dalam satu tempat. Ini memungkinkan data yang terkait dapat dihubungkan dan diakses dengan mudah, menghindari duplikasi data yang tidak perlu.
- 3. Keamanan Data: Database menyediakan mekanisme keamanan untuk melindungi data dari akses yang tidak sah atau modifikasi yang tidak diizinkan. Izin akses dapat diberikan pada pengguna tertentu untuk membatasi akses ke data yang sensitif.
- 4. Pengelolaan Konsistensi Data: Database memungkinkan untuk menerapkan aturan dan batasan pada data yang disimpan, sehingga memastikan konsistensi dan integritas data. Hal ini memungkinkan menjaga kualitas data dan mencegah kesalahan atau inkonsistensi.
- 5. Kinerja dan Skalabilitas: Database dirancang untuk mendukung kinerja yang tinggi dan dapat dikembangkan sesuai kebutuhan. Sistem database yang baik dapat mengelola jumlah data yang besar dan memberikan waktu akses yang cepat.

Beberapa contoh jenis database yang umum digunakan termasuk database relasional, database berbasis objek, database berbasis dokumen, dan database grafik. Setiap jenis database memiliki model dan metode penyimpanan data yang berbeda.

Penting untuk merancang dan mengelola database dengan baik untuk memastikan keberhasilan penyimpanan dan penggunaan data. Ini melibatkan pemilihan struktur database yang tepat, desain skema yang baik, pemeliharaan rutin, dan backup data yang teratur.

## 4.3.1 .DataBase Admin

	Column Name	Data Type	Allow Nulls
•	kode_admin	nvarchar(50)	$\overline{\mathbf{v}}$
	nama	nvarchar(100)	$\overline{\smile}$
	username	nvarchar(50)	$\overline{\smile}$
	password	nvarchar(50)	$\overline{\mathbf{v}}$
	nomor_wa	nvarchar(15)	$\overline{\mathbf{v}}$
	level_wa	nvarchar(10)	$\overline{\mathbf{v}}$

Gambar 4. 1 Database Admin

## 4.3.2 DataBase Customer

	Column Name	Data Type	Allow Nulls
•	kode_customer	nvarchar(50)	$\overline{\mathbf{v}}$
	nama	nvarchar(100)	$\overline{\mathbf{v}}$
	nomor_wa	nvarchar(15)	$\overline{\mathbf{v}}$
	alamat	nvarchar(200)	$\overline{\mathbf{v}}$
	poin	money	lacksquare

Gambar 4. 2 Database Customer

### 4.3.3 DataBase Stok

	Column Name	Data Type	Allow Nulls
•	kode_stok	nvarchar(50)	$\overline{\mathbf{v}}$
	nama	nvarchar(100)	$\overline{\mathbf{v}}$
	harga_beli	money	lacksquare
	harga_jual	money	lacksquare
	stok	money	$\overline{\mathbf{v}}$

Gambar 4. 3 Database Stok

## 4.3.4 DataBase Beli

	Column Name	Data Type	Allow Nulls
١	no_beli	nvarchar(50)	$\overline{\mathbf{v}}$
	tanggal	date	$\overline{\mathbf{v}}$
	total	money	$\overline{\mathbf{v}}$

Gambar 4. 4 Database Beli

## 4.3.5 DataBase Jual

	Column Name	Data Type	Allow Nulls
•	no_jual	nvarchar(50)	$\overline{\mathbf{v}}$
	kode_customer	nvarchar(50)	
	tanggal	date	$\overline{\mathbf{v}}$
	total	money	$\overline{\mathbf{v}}$

Gambar 4. 5 Database Jual

# **4.3.6 DataBase Catering**

	Column Name	Data Type	Allow Nulls
Þ	kode_catering	nvarchar(50)	$\overline{\mathbf{v}}$
	nama	nvarchar(50)	lacksquare
	Total	money	lacksquare

Gambar 4. 6 Database Catering

# 4.3.7 DataBase Beli\_Detail

	Column Name	Data Type	Allow Nulls
•	no_beli	nvarchar(50)	
	no	int	
	kode_stok	nvarchar(50)	$\overline{\mathbf{v}}$
	qty	money	
	harga	money	
	sub_total	money	$\overline{\mathbf{v}}$

Gambar 4. 7 Database Beli\_Detail

# 4.3.8 DataBase Jual Detail

	Column Name	Data Type	Allow Nulls
•	no_jual	nvarchar(50)	$\overline{\smile}$
	no	int	$\overline{\smile}$
	kode_stok	nvarchar(50)	$\overline{\smile}$
	qty	money	$\overline{\smile}$
	harga	money	$\overline{\smile}$
	sub_total	money	$\overline{\smile}$

Gambar 4. 8 Database Jual\_Detail

4.3.9 DataBase Catering\_Detail

	Column Name	Data Type	Allow Nulls
•	kode_catering	nvarchar(50)	$\overline{\smile}$
	no	int	$\overline{\smile}$
	kode_stok	nvarchar(50)	$\overline{\smile}$
	nama	nvarchar(50)	$\overline{\smile}$
	qty	money	$\overline{\smile}$

Gambar 4. 9 Database Catering\_Detail

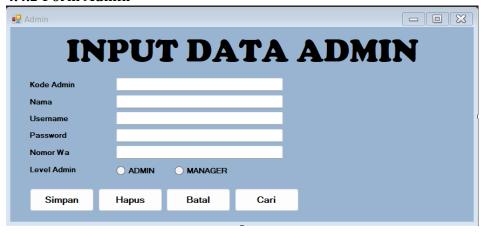
# **4.4 Form**

## 4.4.1 Form Customer



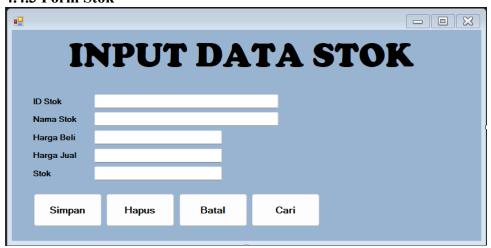
Gambar 4. 10 Form Customer

#### 4.4.2 Form Admin



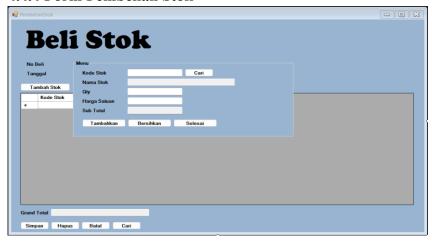
Gambar 4. 11 Form Admin

#### 4.4.3 Form Stok



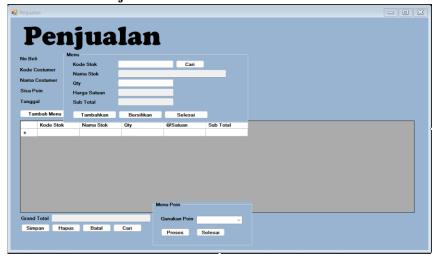
Gambar 4. 12 Form Stok

#### 4.4.4 Form Pembelian Stok



Gambar 4. 13 Form Pembelian Stok

# 4.4.5 Form Penjualan



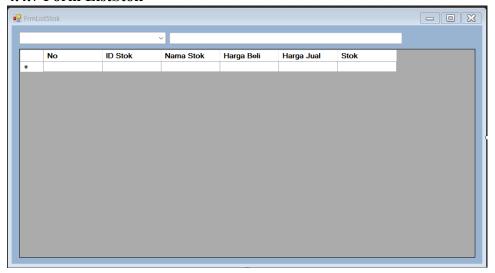
Gambar 4. 14 Form Penjualan

## 4.4.6 Form Catering



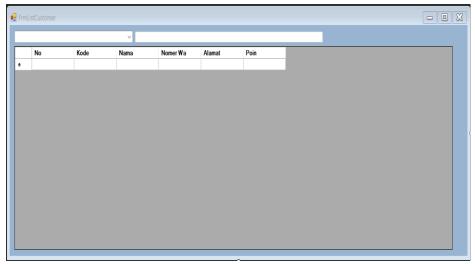
Gambar 4. 15 Form Catering

# 4.4.7 Form ListStok



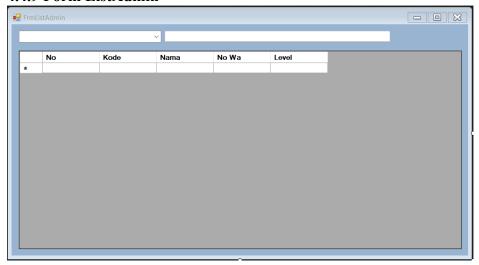
Gambar 4. 16 Form ListStok

### 4.4.8 Form ListCustomer



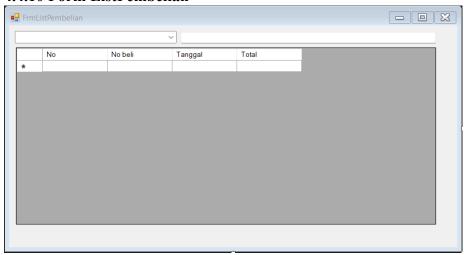
Gambar 4. 17 Form ListCustomer

# 4.4.9 Form ListAdmin



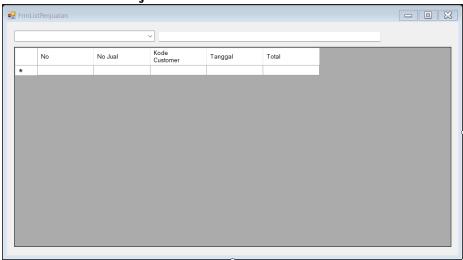
Gambar 4. 18 Form ListAdmin

## 4.4.10 Form ListPembelian



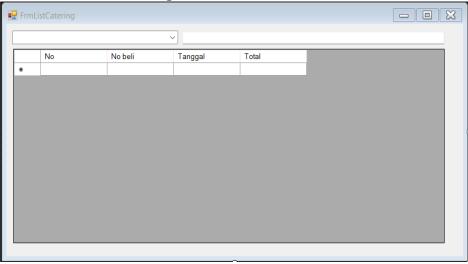
Gambar 4. 19 Form ListPembelian

# 4.4.11 Form ListPenjualan



Gambar 4. 20 Form ListPenjualan

### 4.4.12 Form ListCatering



Gambar 4. 21 Form ListCatering

#### 4.5 PENGKODEAN

Pengkodean adalah, sebuah cara membuat sebuah aplikasi, atau form dapat memiliki pikiran dan dapat di interaksikan dengan manusia (user). Di sini kami menggunakan pengkodean pada setiap form, textbox, button, dan semua itu terhubung dengan sqlserver (database), dimana kita dapat menyimpan dan memanipulasi data.

#### 4.5.1 SOURCE CODE MASTER

```
ADMIN
STOK
Imports System.Data
                                                Imports System.Data
Imports System.Data.SqlClient
                                                 Imports System.Data.SqlClient
Public Class Stok
                                                Public Class Admin
    Dim query As String
    Dim conn As New SqlConnection
                                                     Dim query As String
                                                     Dim conn As New SqlConnection
    Public Sub connect()
        conn.ConnectionString = "Data Source
                                                     Public Sub connect()
= localhost\SQLEXPRESS; Initial Catalog =
                                                        conn.ConnectionString = "Data Source
lagoods_ep; Integrated Security = True
                                                 = localhost\SQLEXPRESS; Initial Catalog =
    End Sub
                                                 lagoods_ep; Integrated Security = True'
                                                    End Sub
    Sub Clear()
        txtNama.Text = ""
                                                     Sub Clear()
                                                         txtNama.Text = ""
        txtBeli.Text = 0
        txtJual.Text = 0
                                                         txtUsername.Text = ""
        txtStok.Text = 0
                                                         txtPassword.Text = ""
                                                         txtNomor.Text = ""
                                                        rbAdmin.Checked = False
    Private Sub Stok_Load(sender As Object, e
                                                        rbManager.Checked = False
                                                     End Sub
As EventArgs) Handles MyBase.Load
        connect()
        txtID.Text = ""
                                                     Private Sub Customer_Load(sender As
        Clear()
                                                Object, e As EventArgs) Handles MyBase.Load
                                                         connect()
                                                         txtKode.Text = ""
    Private Sub btnSimpan_Click(sender As
                                                         Clear()
                                                     End Sub
Object, e As EventArgs) Handles
btnSimpan.Click
        Dim cmdOpen As New SqlCommand
                                                     Private Sub btnSimpan_Click(sender As
        If conn.State = ConnectionState.Open
                                                 Object, e As EventArgs) Handles
Then conn.Close()
                                                 btnSimpan.Click
        conn.Open()
                                                        Dim cmdOpen As New SqlCommand
        cmdOpen.Connection = conn
                                                         If conn.State = ConnectionState.Open
                                                Then conn.Close()
```

```
query = "Select * From Stok Where
kode_stok ='" & Trim(txtID.Text) & "'"
                                                           conn.Open()
                                                           cmdOpen.Connection = conn
        cmdOpen.CommandText = guery
                                                           query = "Select * From Admin Where
                                                  kode_admin ='" & Trim(txtKode.Text) & "'"
        cmdOpen.ExecuteNonQuery()
                                                           cmdOpen.CommandText = query
        Dim drOpen As SqlDataReader =
                                                           cmdOpen.ExecuteNonQuery()
cmdOpen.ExecuteReader
        If drOpen.HasRows Then
                                                          Dim drOpen As SqlDataReader =
            query = "update Stok set " &
                                                  cmdOpen.ExecuteReader
                     "nama = '" &
                                                          If drOpen.HasRows Then
Trim(txtNama.Text) & "'," &
                                                               If drOpen.HasRows Then
                     "harga_beli = " &
                                                                   Dim levelAdmin As String = ""
CDec(Trim(txtBeli.Text)) & "," &
                     "harga_jual = " &
                                                                   ' Determine the selected
level_admin based on the RadioButton
                                                  selection
" where kode_stok = '" &
Trim(txtID.Text) & "'"
CInt(Trim(txtStok.Text)) &
                                                                   If rbAdmin Checked Then
                                                                       levelAdmin = "Admin"
                                                                   ElseIf rbManager.Checked Then
                                                                       levelAdmin = "Manager"
        Flse
            query = "Insert into Stok Values
                                                                   Fnd Tf
('" & Trim(txtID.Text) & "','" & Trim(txtNama.Text) & "'," &
                                                                   ' Build the update query with
                CDec(Trim(txtBeli.Text)) &
                                                  the level_admin field
"," &
                                                                   query = "UPDATE Admin SET " &
                                                                       "nama = '" &
                CDec(Trim(txtJual.Text)) &
                                                  Trim(txtNama.Text) & "', " &
"," &
                CInt(Trim(txtStok.Text)) &
                                                                       "username = '" &
")"
                                                  Trim(txtUsername.Text) & "', " &
                                                                       "password = '" &
        End If
        drOpen.Close()
                                                  Trim(txtPassword.Text) & "', " &
        cmdOpen.CommandText = query
                                                                       "nomor_wa = '" &
        cmdOpen.ExecuteNonQuery()
                                                  Trim(txtNomor.Text) & "', " &
                                                                       "level_wa = '" &
        conn.Close()
                                                  levelAdmin & "'" &
                                                                       "where kode_admin = '" &
        MessageBox.Show("Data Telah
                                                  Trim(txtKode.Text) & "'"
Disimpan")
                                                               End If
        Clear()
                                                          F1se
        txtID.Select()
                                                               Dim levelAdmin As String = ""
    End Sub
                                                               ' Determine the selected
                                                  level_admin based on the RadioButton
    Public Sub txtID_LostFocus(sender As
                                                  selection
Object, e As EventArgs) Handles
                                                               If rbAdmin.Checked Then
                                                                   levelAdmin = "Admin"
txtID.LostFocus
        If Trim(txtID.Text) <> "" Then
                                                               ElseIf rbManager.Checked Then
            Dim cmdOpen As New SqlCommand
                                                                   levelAdmin = "Manager"
            If conn.State =
                                                               Fnd Tf
                                                               query = "Insert into Admin values
ConnectionState.Open Then conn.Close()
                                                  ('" & Trim(txtKode.Text) & "','" & Trim(txtNama.Text) & "','" &
            conn.Open()
            cmdOpen.Connection = conn
            query = "Select * From Stok where
                                                                   Trim(txtUsername.Text) &
                                                  ", ", " &
kode_stok='" & Trim(txtID.Text) & "'"
            cmdOpen.CommandText = query
                                                                   Trim(txtPassword.Text) &
                                                  a "'.'"
            Dim drOpen As SqlDataReader =
                                                                   Trim(txtNomor.Text) & "','" &
                                                                   levelAdmin & "')"
cmdOpen.ExecuteReader
            If drOpen.HasRows Then
                                                          End If
                While drOpen.Read()
                                                          drOpen.Close()
                     txtID.Text =
                                                           cmdOpen.CommandText = query
drOpen("kode_stok").ToString
                                                          cmdOpen.ExecuteNonQuery()
                     txtNama.Text =
drOpen("nama").ToString
                                                          conn.Close()
                     txtJual.Text =
Format(drOpen("harga_jual"),
                                                          MessageBox.Show("Data Berhasil
"##, ##0.00"). ToString
                                                  Disimpan")
                     txtBeli.Text =
                                                          (lear()
Format(drOpen("harga_beli"),
                                                          txtKode.Select()
"##, ##0.00"). ToString
                                                      End Sub
                    txtStok.Text =
Format(drOpen("stok"), "##,##0").ToString
                                                      Public Sub txtKode_LostFocus(sender As
                                                  Object, e As EventArgs) Handles
txtKode.LostFocus
                End While
            Flse
```

```
Clear()
                                                              Trim(txtKode.Text) <> "" Then
                 txtNama.Select()
                                                                Dim cmdOpen As New SqlCommand
                                                                If conn.State =
            End If
                                                   ConnectionState.Open Then conn.Close()
            drOpen.Close()
        End If
                                                                conn.Open()
    End Sub
                                                                cmdOpen.Connection = conn
                                                               query = "Select * From Admin
                                                   where kode_admin='" & Trim(txtKode.Text) &
    Private Sub btnBatal_Click(sender As
Object, e As EventArgs) Handles
btnBatal.Click
                                                                cmdOpen.CommandText = guerv
        Clear()
    End Sub
                                                               Dim drOpen As SqlDataReader =
                                                   cmdOpen.ExecuteReader
    Private Sub btnHapus_Click(sender As
                                                               If drOpen. HasRows Then
Object, e As EventArgs) Handles
                                                                    While drOpen.Read()
btnHapus.Click
                                                                        txtKode.Text =
                                                   drOpen("kode_admin").ToString
        If MessageBox.Show("Yakin mau
dihapus?", "Konfirmasi ",
                                                                        txtNama.Text =
MessageBoxButtons.OKCancel) = vbOK Then
                                                   drOpen("nama").ToString
                                                                        txtUsername.Text =
            Dim cmdOpen As New SqlCommand
              If conn.State =
                                                   drOpen("username").ToString
ConnectionState.Open Then conn.Close()
                                                                        txtPassword.Text =
            conn.Open()
                                                   drOpen("password").ToString
                                                                        txtNomor.Text =
            cmdOpen.Connection = conn
query = "Delete From Stok Where kode_stok ='" & Trim(txtID.Text) & "'"
                                                   drOpen("nomor_wa")
                                                                        Dim levelAdmin As String
                                                   = drOpen("level_wa").ToString()
            cmdOpen.CommandText = query
            cmdOpen.ExecuteNonQuery()
                                                                        If levelAdmin = "Admin"
            conn.Close()
                                                   Then
                                                                            rbAdmin.Checked =
            MessageBox.Show("Data Berhasil
                                                   True
Dihapus")
                                                                        ElseIf levelAdmin =
                                                   "Manager" Then
            Clear()
            txtID.Select()
                                                                            rbManager.Checked =
        End If
                                                   True
    End Sub
                                                                        End If
                                                                    End While
                                                                Else
    Private Sub txtJual_LostFocus(sender As
                                                                    Clear()
Object, e As EventArgs) Handles
                                                                    txtNama.Select()
txtJual.LostFocus
                                                                End If
        If Not IsNumeric(Trim(txtJual.Text))
                                                               drOpen.Close()
Then txtJual.Text = 0
                                                           End If
        txtJual.Text =
                                                       End Sub
Format(CDec(txtJual.Text), "##,##0.00")
                                                       Private Sub btnBatal_Click(sender As
    End Sub
                                                   Object, e As EventArgs) Handles
                                                   btnBatal.Click
    Private Sub txtBeli_LostFocus(sender As
                                                           Clear()
Object, e As EventArgs) Handles
txtBeli.LostFocus
                                                       End Sub
        If Not IsNumeric(Trim(txtBeli.Text))
                                                       Private Sub btnHapus_Click(sender As
Then txtBeli.Text = 0
                                                   Object, e As EventArgs) Handles
                                                   btnHapus.Click
        txtBeli.Text =
                                                   If MessageBox.Show("Yakin mau
dihapus?", "Konfirmasi ",
Format(CDec(txtBeli.Text), "##,##0.00")
    End Sub
                                                   MessageBoxButtons.OKCancel) = vbOK Then
    Private Sub txtStok_LostFocus(sender As
                                                               Dim cmdOpen As New SqlCommand
Object, e As EventArgs) Handles
                                                               If conn.State =
txtStok.LostFocus
                                                   ConnectionState.Open Then conn.Close()
        If Not IsNumeric(Trim(txtStok.Text))
                                                                conn.Open()
Then txtStok.Text = 0
                                                               cmdOpen.Connection = conn
        txtStok.Text =
                                                                query = "Delete From Admin Where
Format(CDec(txtStok.Text), "##,##0")
                                                   kode_admin ='" & Trim(txtKode.Text) & "'"
    End Sub
                                                                cmdOpen.CommandText = query
                                                                cmdOpen.ExecuteNonQuery()
Private Sub Stok_Closed(sender As Object, e As EventArgs) Handles Me.Closed
                                                                conn.Close()
        txtNama.Select()
                                                               MessageBox.Show("Data Berhasil
                                                   Dihapus")
        If conn.State = ConnectionState.Open
Then conn.Close()
                                                               Clear()
                                                               txtKode.Select()
        conn = Nothing
                                                           End If
    End Sub
                                                       End Sub
```

```
Private Sub txtJual_KeyPress(sender As
Object, e As KeyPressEventArgs) Handles
                                                     Private Sub Admin_Closed(sender As
txtJual.KevPress
                                                 Object, e As EventArgs) Handles Me.Closed
        If Asc(e.KeyChar) <> Asc(vbBack) Then
                                                         txtNama.Select()
            If Asc(e.KeyChar) < Asc(0) Or
                                                         If conn.State = ConnectionState.Open
Asc(e.KeyChar) > Asc(9) Then
                                                 Then conn.Close()
                                                         conn = Nothing
                e.Handled = True
            End If
                                                     End Sub
        End If
    End Sub
                                                     Private Sub Admin Deactivate(sender As
                                                 Object, e As EventArgs) Handles Me.Deactivate
                                                         txtNama.Select()
    Private Sub txtBeli_KeyPress(sender As
                                                     End Sub
Object, e As KeyPressEventArgs) Handles txtBeli.KeyPress
                                                     Private Sub btnCari_Click(sender As
        If Asc(e.KeyChar) <> Asc(vbBack) Then
                                                 Object, e As EventArgs) Handles btnCari.Click
            If Asc(e.KeyChar) < Asc(0) Or
                                                         vAdmin = "Admin"
Asc(e.KeyChar) > Asc(9) Then
                                                         FrmListAdmin.Close()
                e.Handled = True
                                                          FrmListAdmin.MdiParent = mdiMenu
            End If
                                                         FrmListAdmin.Show()
        End If
                                                     End Sub
    End Sub
                                                 End Class
    Private Sub txtStok_KeyPress(sender As
Object, e As KeyPressEventArgs) Handles
txtStok.KeyPress
        If Asc(e.KeyChar) <> Asc(vbBack) Then
            If Asc(e.KeyChar) < Asc(0) Or</pre>
Asc(e.KeyChar) > Asc(9) Then
                e.Handled = True
            End If
        End If
    End Sub
    Private Sub Stok_Deactivate(sender As
Object, e As EventArgs) Handles Me.Deactivate
        txtNama.Select()
    End Sub
    Private Sub btnCari_Click(sender As
Object, e As EventArgs) Handles btnCari.Click
        vStok = "Stok"
        FrmListStok.Close()
        FrmListStok.MdiParent = mdiMenu
        FrmListStok.Show()
    Fnd Sub
End Class
```

Tabel 4. 1 Source Code Master

### COSTUMER

```
Imports System.Data
Imports System.Data.SqlClient

Public Class Customer
    Dim query As String
    Dim conn As New SqlConnection

Public Sub connect()
        conn.ConnectionString = "Data Source = localhost\SQLEXPRESS; Initial

Catalog = lagoods_ep; Integrated Security = True"
    End Sub

Sub Clear()
    txtNama.Text = ""
    txtNoWa.Text = ""
    txtAlamat.Text = ""
    txtAlamat.Text = ""
    txtPoin.Text = 0
```

```
End Sub
    Private Sub Customer_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        connect()
        txtKode.Text = ""
        Clear()
    End Sub
    Private Sub btnSimpan_Click(sender As Object, e As EventArgs) Handles
btnSimpan.Click
        Dim cmdOpen As New SqlCommand
        If conn.State = ConnectionState.Open Then conn.Close()
        conn.Open()
        cmdOpen.Connection = conn
        query = "Select * From Customer Where kode_customer ='" &
Trim(txtKode.Text) & "'"
        cmdOpen.CommandText = query
        cmdOpen.ExecuteNonQuery()
        Dim drOpen As SqlDataReader = cmdOpen.ExecuteReader
        If drOpen.HasRows Then
            query = "UPDATE Customer SET " &
                 "nama = '" & Trim(txtNama.Text) & "'," &
                "nomor_wa = '" & Trim(txtNoWa.Text) & "'," &
                "alamat = '" & Trim(txtAlamat.Text) & "'
                "poin = " & CInt(Trim(txtPoin.Text)) &
                "Where kode_customer = '" & Trim(txtKode.Text) & "'"
        Else
            query = "Insert into Customer values ('" & Trim(txtKode.Text) &
"','" & Trim(txtNama.Text) & "','" &
                Trim(txtNoWa.Text) & "','" &
                Trim(txtAlamat.Text) & "'," &
                CInt(Trim(txtPoin.Text)) & ")"
        End If
        drOpen.Close()
        cmdOpen.CommandText = query
        cmdOpen.ExecuteNonQuery()
        conn.Close()
        MessageBox.Show("Data Berhasil Disimpan")
        Clear()
        txtKode.Select()
    End Sub
    Public Sub txtKode_LostFocus(sender As Object, e As EventArgs) Handles
txtKode.LostFocus
        If Trim(txtKode.Text) <> "" Then
            Dim cmdOpen As New SqlCommand
            If conn.State = ConnectionState.Open Then conn.Close()
            conn.Open()
            cmdOpen.Connection = conn
            query = "Select * From Customer where kode_customer='" &
Trim(txtKode.Text) & "'"
            cmdOpen.CommandText = query
            Dim drOpen As SqlDataReader = cmdOpen.ExecuteReader
            If drOpen. HasRows Then
                While drOpen.Read()
                    txtKode.Text = drOpen("kode_customer").ToString
txtNama.Text = drOpen("nama").ToString
```

```
txtNoWa.Text = drOpen("nomor_wa").ToString
                    txtAlamat.Text = drOpen("alamat").ToString
                    txtPoin.Text = Format(drOpen("poin"), "##,##0").ToString
                End While
            Else
                Clear()
                txtNama.Select()
            End If
            drOpen.Close()
        End If
    End Sub
    Private Sub btnBatal_Click(sender As Object, e As EventArgs) Handles
btnBatal.Click
        Clear()
    End Sub
    Private Sub btnHapus_Click(sender As Object, e As EventArgs) Handles
btnHapus.Click
        If MessageBox.Show("Yakin mau dihapus?", "Konfirmasi",
MessageBoxButtons.OKCancel) = vbOK Then
            Dim cmdOpen As New SqlCommand
            If conn.State = ConnectionState.Open Then conn.Close()
            conn.Open()
            cmdOpen.Connection = conn
            query = "Delete From Customer Where kode_customer ='" &
Trim(txtKode.Text) & "'"
            cmdOpen.CommandText = query
            cmdOpen.ExecuteNonQuery()
            conn.Close()
            MessageBox.Show("Data Has Been Deleted")
            Clear()
            txtKode.Select()
        End If
    End Sub
    Private Sub Customer_Closed(sender As Object, e As EventArgs) Handles
Me.Closed
        txtNama.Select()
        If conn.State = ConnectionState.Open Then conn.Close()
        conn = Nothing
    End Sub
    Private Sub Customer_Deactivate(sender As Object, e As EventArgs) Handles
Me.Deactivate
        txtNama.Select()
    End Sub
    Private Sub btnCari_Click(sender As Object, e As EventArgs) Handles
btnCari.Click
        vCustomer = "Customer"
        FrmListCustomer.Close()
        FrmListCustomer.MdiParent = mdiMenu
        FrmListCustomer.Show()
    End Sub
End Class
```

Tabel 4. 2 Customer

PEMBELIAN STOK	PENJUALAN STOK
Imports System.Data Imports System.Data.SqlClient	Imports System.Data Imports System.Data.SqlClient Imports
Public Class PembelianStok Dim query As String	System.Windows.Forms.VisualStyles.VisualStyleElement
Private conn As New SqlConnection Dim sAda As Boolean	Imports System.Windows.Forms.VisualStyles.VisualStyleElement.Button
<pre>Public Sub connect()</pre>	Public Class Penjualan Dim query As String Private conn As New SqlConnection Dim sAda As Boolean Public kodeCustomer As String Public Sub connect() conn.ConnectionString = "Data Source = localhost\SQLEXPRESS; Initial Catalog = lagoods_ep; Integrated Security = True" End Sub Sub clear()
Now.Date  txtKode_S.Text = ""  txtNama_S.Text = ""  txtQty.Text = ""  txtHarga.Text = ""  txtSubTotal.Text = ""  dgvDetail.Rows.Clear()  txtTotal.Text = ""	<pre>txtKode.Text = AutoCode2("Jual", Now.Date)     txtKode_C.Text = ""     txtNama_C.Text = ""     dtpTanggal.Value = Now.Date     txtKode_S.Text = ""     txtNama_S.Text = ""     txtQty.Text = ""</pre>
<pre>dgvDetail.Columns(2).HeaderCell.St yle.Alignment = DataGridViewContentAlignment.Middl eRight</pre>	<pre>txtHarga.Text = "" txtSubTotal.Text = "" dgvDetail.Rows.Clear() txtTotal.Text = ""</pre>
<pre>dgvDetail.Columns(3).HeaderCell.St yle.Alignment = DataGridViewContentAlignment.Middl eRight</pre>	<pre>dgvDetail.Columns(2).HeaderCell.Style.Alig nment = DataGridViewContentAlignment.MiddleRight dgvDetail.Columns(3).HeaderCell.Style.Alig</pre>
dgvDetail.Columns(4).HeaderCell.St	nment = DataGridViewContentAlignment.MiddleRight
<pre>yle.Alignment = DataGridViewContentAlignment.Middl eRight</pre>	<pre>dgvDetail.Columns(4).HeaderCell.Style.Alig nment = DataGridViewContentAlignment.MiddleRight</pre>
<pre>dgvDetail.Columns(2).DefaultCellSt yle.Alignment = DataGridViewContentAlignment.Middl eRight</pre>	<pre>dgvDetail.Columns(2).DefaultCellStyle.Alig nment = DataGridViewContentAlignment.MiddleRight</pre>
<pre>dgvDetail.Columns(3).DefaultCellSt yle.Alignment = DataGridViewContentAlignment.Middl eRight</pre>	<pre>dgvDetail.Columns(3).DefaultCellStyle.Alig nment = DataGridViewContentAlignment.MiddleRight</pre>
<pre>dgvDetail.Columns(4).DefaultCellSt yle.Alignment = DataGridViewContentAlignment.Middl</pre>	<pre>dgvDetail.Columns(4).DefaultCellStyle.Alig nment = DataGridViewContentAlignment.MiddleRight</pre>
eRight	<pre>dgvDetail.Columns(2).DefaultCellStyle.Form at = "##,##0"</pre>

```
dgvDetail.Columns(2).DefaultCellSt
                                      dgvDetail.Columns(3).DefaultCellStyle.Form
yle.Format = "##,##0"
                                     at = "##,##0.00"
dgvDetail.Columns(3).DefaultCellSt
                                      dgvDetail.Columns(4).DefaultCellStyle.Form
yle.Format = "##,##0.00"
                                      at = "##,##0.00"
                                              gbMenu.Visible = False
dgvDetail.Columns(4).DefaultCellSt
                                              gbPoin.Visible = False
yle.Format = "##,##0.00"
                                          End Sub
        gbStok.Visible = False
    End Sub
                                          Private Sub Penjualan_Load(sender As
                                      Object, e As EventArgs) Handles
    Private Sub
                                     MyBase.Load
PembelianStok_Load(sender As
                                              connect()
                                              txtKode.Text = ""
Object, e As EventArgs) Handles
MyBase.Load
                                              clear()
                                              gbMenu.Visible = False
        connect()
        txtKode.Text = ""
                                              gbPoin.Visible = False
        clear()
                                          End Sub
        gbStok.Visible = False
    End Sub
                                          Private Sub btnSimpan_Click(sender As
                                      Object, e As EventArgs) Handles
    Private Sub
                                      btnSimpan.Click
btnSimpan_Click(sender As Object,
                                              If Not
                                      IsNumeric(Trim(txtTotal.Text)) Then
e As EventArgs) Handles
btnSimpan.Click
                                      txtTotal.Text = 0
        If Not
IsNumeric(Trim(txtTotal.Text))
                                              Dim grandTotal As Decimal =
Then txtTotal.Text = 0
                                      CInt(txtTotal.Text)
                                              Dim penghasil As Decimal
        Dim cmdOpen As New
                                              penghasil = grandTotal
SqlCommand
                                              Dim points As Integer
        If conn.State =
ConnectionState.Open Then
                                              points = CInt(penghasil / 5000)
                                              Dim cmdOpen As New SqlCommand
conn.Close()
        conn.Open()
                                              If conn.State =
        cmdOpen.Connection = conn
                                     ConnectionState.Open Then conn.Close()
                                              conn.Open()
        query = "Select * from
Beli Where no_beli ='" &
                                              cmdOpen.Connection = conn
Trim(txtKode.Text) & "'"
                                              query = "Select * from Jual Where
                                     no_jual ='" & Trim(txtKode.Text) & "'"
        cmdOpen.CommandText =
query
                                              cmdOpen.CommandText = query
        cmdOpen.ExecuteNonQuery()
                                              cmdOpen.ExecuteNonQuery()
        Dim drOpen As
SqlDataReader =
                                              Dim drOpen As SqlDataReader =
cmdOpen.ExecuteReader
                                      cmdOpen.ExecuteReader
        If drOpen.HasRows Then
                                              If drOpen.HasRows Then
            sAda = True
                                                  sAda = True
            query = "update Beli
                                                  query = "update Jual set " &
                                                          "kode_customer = '" &
set " &
                    "tanggal = '"
                                     Trim(txtKode_C.Text) & "'," &
& Format(dtpTanggal.Value, "yyyy-
                                                          "tanggal = '" &
MM-dd") & "', " &
                                     Format(dtpTanggal.Value, "yyyy-MM-dd") &
                                      "", " &
                    "total = " &
CDec(Trim(txtTotal.Text)) &
                                                          "total = " &
                                      CDec(Trim(txtTotal.Text)) &
                    "where no beli
= '" & Trim(txtKode.Text) & "'"
                                                          " where no_jual = '" &
                                      Trim(txtKode.Text) & "'"
        Else
            sAda = False
                                              Else
            query = "Insert into
                                                  sAda = False
Beli values ('" &
Trim(txtKode.Text) & "','" &
```

```
query = "Insert into Jual
                                     values ('" & Trim(txtKode.Text) & "','" &
Format(dtpTanggal.Value, "yyyy-MM-
                                     Trim(txtKode_C.Text) & "','" &
dd") & "'," &
CDec(Trim(txtTotal.Text)) & ")"
                                     Format(dtpTanggal.Value, "yyyy-MM-dd") &
                                      "'," &
        End If
        drOpen.Close()
                                     CDec(Trim(txtTotal.Text)) & ")"
        cmdOpen.CommandText =
query
                                              End If
        cmdOpen.ExecuteNonQuery()
                                              drOpen.Close()
                                              cmdOpen.CommandText = guery
       Using cnn = New
                                              cmdOpen.ExecuteNonQuery()
SqlConnection
            cnn.ConnectionString =
                                              Using cnn = New SqlConnection
"Data Source =
                                                  cnn.ConnectionString = "Data
localhost\SQLEXPRESS; Initial
                                     Source = localhost\SQLEXPRESS; Initial
Catalog = lagoods_ep; Integrated
                                     Catalog = lagoods_ep; Integrated Security
Security = True"
                                     = True"
                                                  Using cmdX As New SqlCommand
            Using cmdX As New
SqlCommand
                                                      cnn.Open()
                                                      cmdX.Connection = cnn
                cnn.Open()
                                                      query = "Select * From
                cmdX.Connection =
cnn
                                     Jual_Detail Where no_jual = '" &
                query = "Select *
                                     Trim(txtKode.Text) & "'"
From Beli_Detail Where no_beli ='"
                                                      cmdX.CommandText = query
& Trim(txtKode.Text) & "'"
                                                      cmdX.ExecuteNonQuery()
                cmdX.CommandText =
                                                      Using drX As SqlDataReader
query
                                     = cmdX.ExecuteReader
cmdX.ExecuteNonQuery()
                                                          If drX.HasRows Then
                                                              While drX.Read()
                Using drX As
SqlDataReader = cmdX.ExecuteReader
                                     cmdOpen.CommandText = "update Stok set
                    If drX.HasRows
                                     stok = stok - " & drX("qty") &
Then
                                      " where kode_stok = '" & drX("kode_stok")
                        While
                                     8 """
drX.Read()
cmdOpen.CommandText = "update Stok
                                     cmdOpen.ExecuteNonQuery()
set stok = stok - " & drX("qty") &
                                                              End While
                                                          End If
" where kode_stok = '" &
                                                          drX.Close()
drX("kode_stok") & "'"
                                                      End Using
                                                  End Using
cmdOpen.ExecuteNonQuery()
                                              End Using
                        End While
                    End If
                                              query = "delete from Jual_Detail
                                     Where no_jual ='" & Trim(txtKode.Text) &
                    drX.Close()
                End Using
            End Using
                                              cmdOpen.CommandText = query
        End Using
                                              cmdOpen.ExecuteNonQuery()
                                              query = "update Customer set poin
       query = "delete from
                                     = poin + " & points & " where
Beli_Detail Where no_beli ='" &
                                     kode_customer = '" & Trim(txtKode_C.Text)
Trim(txtKode.Text) & "'"
                                     8 """
        cmdOpen.CommandText =
                                              cmdOpen.CommandText = querv
                                              cmdOpen.ExecuteNonQuery()
auerv
        cmdOpen.ExecuteNonOuerv()
                                              Dim i As Integer
                                              For i = 0 To dgvDetail.Rows.Count
        Dim i As Integer
                                     = 1
        For i = 0 To
dgvDetail.Rows.Count - 1
```

```
Tf
                                                  If
                                     (dgvDetail.Rows(i).Cells(0).Value <> "")
(dgvDetail.Rows(i).Cells(0).Value
<> "") Then
                                     Then
                query = "insert
                                                      query = "insert into
into Beli_Detail values ('" &
                                     Jual_Detail values ('" &
Trim(txtKode.Text) & "'," & i &
                                     Trim(txtKode.Text) & "'," & i & ",'" &
",'" &
                                     Trim(dgvDetail.Rows(i).Cells(0).Value) &
                                     "'," &
Trim(dgvDetail.Rows(i).Cells(0).Va
lue) & "'," &
                                     CDbl(dgvDetail.Rows(i).Cells(2).Value) &
CDec(dgvDetail.Rows(i).Cells(2).Va
lue) & "," &
                                     CDbl(dgvDetail.Rows(i).Cells(3).Value) &
CDec(dgvDetail.Rows(i).Cells(3).Va
                                     "," &
lue) & "," &
                                     CDbl(dgvDetail.Rows(i).Cells(4).Value) &
CDec(dgvDetail.Rows(i).Cells(4).Va
lue) & ")"
                                                      cmdOpen.CommandText =
                                     query
cmdOpen.CommandText = query
                                                      cmdOpen.ExecuteNonQuery()
                                                      query = "update Stok set
cmdOpen.ExecuteNonQuery()
                                     stok = stok - " &
                query = "update
                                     CDec(dgvDetail.Rows(i).Cells(2).Value) &
Stok set stok = stok + " &
                                                              " where kode_stok
CDbl(dgvDetail.Rows(i).Cells(2).Va
                                     3 "' =
lue) &
                                     Trim(dgvDetail.Rows(i).Cells(0).Value) &
                        " where
kode_stok = '" &
                                                      cmdOpen.CommandText =
Trim(dgvDetail.Rows(i).Cells(0).Va
                                     query
lue) & """
                                                      cmdOpen.ExecuteNonQuery()
                                                  End If
cmdOpen.CommandText = query
                                              Next
cmdOpen.ExecuteNonQuery()
                                              conn.Close()
            End If
                                              MessageBox.Show("Data Has Been
        Next
                                     Saved")
        conn.Close()
                                              clear()
                                              txtKode.Select()
        MessageBox.Show("Data Has
Been Saved")
        clear()
                                         End Sub
        txtKode.Select()
    End Sub
                                         Public Sub txtKode_LostFocus(sender As
Public Sub
                                     Object, e As EventArgs) Handles
txtKode_LostFocus(sender As
                                     txtKode.LostFocus
                                             If Trim(txtKode.Text) <> "" Then
Object, e As EventArgs) Handles
txtKode.LostFocus
                                                  Dim cmdOpen As New SqlCommand
        If Trim(txtKode.Text) <>
                                                  If conn.State =
"" Then
                                     ConnectionState.Open Then conn.Close()
            Dim cmdOpen As New
                                                  conn.Open()
SalCommand
                                                  cmdOpen.Connection = conn
                                                  query = "Select * from Jual
            If conn.State =
ConnectionState.Open Then
                                     Where no_jual ='" & Trim(txtKode.Text) &
conn.Close()
            conn.Open()
                                                  cmdOpen.CommandText = guerv
            cmdOpen.Connection =
conn
                                                  Dim drOpen As SqlDataReader =
            query = "Select * From
                                     cmdOpen.ExecuteReader
Beli where no_beli ='" &
                                                  If drOpen.HasRows Then
Trim(txtKode.Text) & "'"
                                                      While drOpen.Read()
```

```
cmdOpen.CommandText =
                                                           txtKode.Text =
query
                                      drOpen("no_jual").ToString
                                                           txtKode_C.Text =
            Dim drOpen As
                                      drOpen("kode_customer").ToString
SqlDataReader =
                                                           dtpTanggal.Value =
cmdOpen.ExecuteReader
                                      drOpen("tanggal").ToString
            If drOpen.HasRows Then
                                                           txtTotal.Text =
                                      Format(drOpen("total"), "##,##0.00")
                While
drOpen.Read()
                                                       End While
                    txtKode.Text =
drOpen("no_beli").ToString
                                                       dgvDetail.Rows.Clear()
                                                       drOpen.Close()
dtpTanggal.Value =
                                                       If conn.State =
drOpen("tanggal").ToString
                                      ConnectionState.Open Then conn.Close()
                    txtTotal.Text
                                                       conn.Open()
= Format(drOpen("total"),
                                                       query = "Select * From
                                      vJual_Detail Where no_jual = '" &
"##,##0.00")
                End While
                                      Trim(txtKode.Text) & "' order by no"
                                                       cmdOpen.Connection = conn
                                                       cmdOpen.CommandText =
dgvDetail.Rows.Clear()
                drOpen.Close()
                                      query
                If conn.State =
                                                       cmdOpen.ExecuteNonQuery()
ConnectionState.Open Then
conn.Close()
                                                       drOpen =
                conn.Open()
                                      cmdOpen.ExecuteReader
                query = "Select *
From vBeli_Detail Where no_beli =
                                                       If drOpen.HasRows Then
'" & Trim(txtKode.Text) & "' order
                                                           While drOpen.Read()
by no"
                                      dgvDetail.Rows.Add(drOpen("kode_stok"),
                                      drOpen("nama"), drOpen("qty"),
drOpen("harga"), drOpen("sub_total"))
                cmdOpen.Connection
= conn
                                                           End While
                                                       End If
cmdOpen.CommandText = query
                                                       drOpen.Close()
cmdOpen.ExecuteNonQuery()
                                                       conn.Close()
                                                   Else
                drOpen =
                                                       clear()
cmdOpen.ExecuteReader
                                                       txtKode_C.Select()
                                                   End If
                If drOpen.HasRows
                                                   drOpen.Close()
                                               End If
Then
                    While
                                          End Sub
drOpen.Read()
                                          Private Sub btnBatal_Click(sender As
dgvDetail.Rows.Add(drOpen("kode_st
                                      Object, e As EventArgs) Handles
ok"), drOpen("nama"),
                                      btnBatal.Click
drOpen("qty"), drOpen("harga"),
                                               clear()
drOpen("sub_total"))
                                          End Sub
                    End While
                End If
                                      Private Sub btnHapus_Click(sender As
                drOpen.Close()
                                      Object, e As EventArgs) Handles
                                      btnHapus.Click
                conn.Close()
                                              If MessageBox.Show("Yakin mau
            Else
                                      Dihapus?", "Konfirmasi",
                clear()
            End If
                                      MessageBoxButtons.OKCancel) = vbOK Then
            drOpen.Close()
                                                   Dim cmdOpen As New SqlCommand
        End If
                                                   If conn.State =
                                      ConnectionState.Open Then conn.Close()
    End Sub
                                                   conn.Open()
    Private Sub
                                                   cmdOpen.Connection = conn
btnBatal_Click(sender As Object, e
```

```
As EventArgs) Handles
                                                  query = "Delete from Jual
                                      Where no_jual = '" & Trim(txtKode.Text) &
btnBatal.Click
        clear()
    End Sub
                                                  cmdOpen.CommandText = query
                                                  cmdOpen.ExecuteNonQuery()
    Private Sub
btnHapus_Click(sender As Object, e
                                                  Using cnn = New SqlConnection
As EventArgs) Handles
                                                      cnn.ConnectionString =
                                      "Data Source = localhost\SQLEXPRESS;
btnHapus.Click
        If MessageBox.Show("Yakin
                                      Initial Catalog = lagoods_ep; Integrated
mau Dihapus?", "Konfirmasi",
                                      Security = True"
MessageBoxButtons.OKCancel) = vbOK
                                                      Using cmdX As New
                                      SqlCommand
            Dim cmdOpen As New
                                                          cnn.Open()
SqlCommand
                                                          cmdX.Connection = cnn
            If conn.State =
                                                          query = "Select * from
ConnectionState.Open Then
                                      Jual_Detail Where no_jual = '" &
                                      Trim(txtKode.Text) & "'"
conn.Close()
            conn.Open()
                                                          cmdX.CommandText =
            cmdOpen.Connection =
                                      query
conn
                                                          cmdX.ExecuteNonQuery()
            query = "Delete from
Beli Where no_beli = '" &
                                                          Using drX As
Trim(txtKode.Text) & "'"
                                      SqlDataReader = cmdX.ExecuteReader
                                                              If drX.HasRows
            cmdOpen.CommandText =
query
                                      Then
                                                                  While
cmdOpen.ExecuteNonQuery()
                                      drX.Read()
            Using cnn = New
                                      cmdOpen.CommandText = "update Stok set
SqlConnection
                                      stok = stok - " & drX("qty") &
cnn.ConnectionString = "Data
                                      " where kode_stok = '" & drX("kode_stok")
Source = localhost\SQLEXPRESS;
Initial Catalog = lagoods_ep;
Integrated Security = True"
                                      cmdOpen.ExecuteNonQuery()
                Using cmdX As New
                                                                  End While
                                                              End If
SqlCommand
                                                              drX.Close()
                    cnn.Open()
                                                          End Using
                                                      End Using
cmdX.Connection = cnn
                                                  End Using
                    query =
"Select * from Beli_Detail Where
no_beli = '" & Trim(txtKode.Text)
                                                  query = "Delete from
& "'"
                                      Jual_Detail where no_jual = '" &
                                      Trim(txtKode.Text) & "'"
                                                  cmdOpen.CommandText = query
cmdX.CommandText = query
                                                  cmdOpen.ExecuteNonQuery()
                                                  conn.Close()
cmdX.ExecuteNonQuery()
                    Using drX As
                                                  MessageBox.Show("Data Has Been
SglDataReader = cmdX.ExecuteReader
                                      Deleted")
                                                  clear()
drX.HasRows Then
                                              End If
                            While
                                          End Sub
drX.Read()
                                          Private Sub btnCari_Click(sender As
cmdOpen.CommandText = "update Stok
                                      Object, e As EventArgs) Handles
                                      btnCari.Click
set stok = stok - " & drX("qty") &
                                              vJualP = "JualP"
" where kode_stok = '" &
                                              FrmListPenjualan.Close()
drX("kode stok") & "'"
                                              FrmListPenjualan.MdiParent =
                                      mdiMenu
```

	FrmListPenjualan.Show()
cmdOpen.ExecuteNonQuery()	
End	End Sub
While	
End If	Private Sub txtQty_KeyPress(sender As
drX.Close()	Object, e As KeyPressEventArgs) Handles
End Using	<pre>txtQty.KeyPress</pre>
End Using	Then
End Using	If Asc(e.KeyChar) < Asc(0) Or
2.11d 052.11g	Asc(e.KeyChar) > Asc(9) Then
query = "Delete from	e.Handled = True
Beli_Detail where no_beli = '" &	End If
Trim(txtKode.Text) & "'"	End If
cmdOpen.CommandText =	End Sub
query	
	Private Sub txtHarga_KeyPress(sender
cmdOpen.ExecuteNonQuery()	As Object, e As KeyPressEventArgs) Handles
conn.Close()	txtHarga.KeyPress
MessageBox.Show("Data	<pre>If Asc(e.KeyChar) &lt;&gt; Asc(vbBack) Then</pre>
Has Been Deleted")	If Asc(e.KeyChar) < Asc(0) Or
clear()	Asc(e.KeyChar) > Asc(9) Then
End If	e.Handled = True
End Sub	End If
	End If
Private Sub	End Sub
btnCari_Click(sender As Object, e	
As EventArgs) Handles	Private Sub txtQty_LostFocus(sender As
btnCari.Click	Object, e As EventArgs) Handles
vBeliP = "BeliP"	txtQty.LostFocus
FrmListPembelian.Close() FrmListPembelian.MdiParent	<pre>If Not IsNumeric(Trim(txtQty.Text)) Then</pre>
= mdiMenu	txtQty.Text = 0
FrmListPembelian.Show()	If Not
End Sub	IsNumeric(Trim(txtHarga.Text)) Then
	txtHarga.Text = 0
Private Sub	
<pre>txtQty_KeyPress(sender As Object,</pre>	txtQty.Text =
e As KeyPressEventArgs) Handles	Format(CDec(txtQty.Text), "##,##0")
txtQty.KeyPress	txtSubTotal.Text =
<pre>If Asc(e.KeyChar) &lt;&gt;</pre>	Format(CDec(txtQty.Text) *
Asc(vbBack) Then	CDec(txtHarga.Text), "##,##0.00")
If Asc(e.KeyChar) <	End Sub
Asc(0) Or Asc(e.KeyChar) > Asc(9) Then	Private Sub txtHarga_LostFocus(sender
e.Handled = True	As Object, e As EventArgs) Handles
End If	txtHarga.LostFocus
End If	If Not
End Sub	<pre>IsNumeric(Trim(txtQty.Text)) Then</pre>
Private Sub	txtQty.Text = 0
txtHarga_KeyPress(sender As	If Not
Object, e As KeyPressEventArgs)	<pre>IsNumeric(Trim(txtHarga.Text)) Then</pre>
Handles txtHarga.KeyPress	txtHarga.Text = 0
<pre>If Asc(e.KeyChar) &lt;&gt;</pre>	
Asc(vbBack) Then	txtQty.Text =
If Asc(e.KeyChar) <	Format(CDec(txtQty.Text), "##,##0.00")
Asc(0) Or Asc(e.KeyChar) > Asc(9) Then	<pre>txtSubTotal.Text = Format(CDec(txtQty.Text) *</pre>
e.Handled = True	CDec(txtHarga.Text), "##,##0.00")
End If	End Sub
End If	
End Sub	

	Private Sub btnTambah_Click(sender As
Private Sub	Object, e As EventArgs) Handles
<pre>txtQty_LostFocus(sender As Object,</pre>	btnTambah.Click
e As EventArgs) Handles	gbMenu.Visible = True
txtQty.LostFocus	End Sub
If Not	For this could be suffered by A. Charles A.
IsNumeric(Trim(txtQty.Text)) Then	Function GetNameStok(X As String) As
<pre>txtQty.Text = 0</pre>	String
IsNumeric(Trim(txtHarga.Text))	Dim Y As String = "" If Trim(X) <> "" Then
Then txtHarga.Text = 0	Dim cmdOpen As New SqlCommand
Their excharga. Text = 0	If conn.State =
txtQty.Text =	ConnectionState.Open Then conn.Close()
Format(CDec(txtQty.Text),	conn.Open()
"##,##0")	<pre>cmdOpen.Connection = conn</pre>
<pre>txtSubTotal.Text =</pre>	query = "Select * From Stok
<pre>Format(CDec(txtQty.Text) *</pre>	where kode_stok = '" & Trim(X) & "'"
<pre>CDec(txtHarga.Text), "##,##0.00")</pre>	cmdOpen.CommandText = query
End Sub	
	Dim drOpen As SqlDataReader =
Private Sub	cmdOpen.ExecuteReader
txtHarga_LostFocus(sender As	If drOpen.HasRows Then
Object, e As EventArgs) Handles txtHarga.LostFocus	While drOpen.Read() V =
If Not	drOpen("nama").ToString
IsNumeric(Trim(txtQty.Text)) Then	End While
txtQty.Text = 0	End If
If Not	drOpen.Close()
<pre>IsNumeric(Trim(txtHarga.Text))</pre>	End If
Then txtHarga.Text = 0	Return Y
	End Function
txtQty.Text =	Function GetPriceStok(X As String) As
Format(CDec(txtQty.Text),	Decimal
"##,##0.00")	Dim Y As Decimal = 0
txtSubTotal.Text =	If Trim(X) <> "" Then
Format(CDec(txtQty.Text) *	Dim cmdOpen As New SqlCommand
CDec(txtHarga.Text), "##,##0.00") End Sub	If conn.State =
Elia Sab	ConnectionState.Open Then conn.Close() conn.Open()
Private Sub	cmdOpen.Connection = conn
btnTambah_Click(sender As Object,	query = "Select * From Stok
e As EventArgs) Handles	where kode_stok = '" & Trim(X) & "'"
btnTambah.Click	cmdOpen.CommandText = query
gbStok.Visible = True	
End Sub	Dim drOpen As SqlDataReader =
_	cmdOpen.ExecuteReader
Function GetNameStok(X As	If drOpen.HasRows Then
String) As String	While drOpen.Read()
Dim Y As String = ""	Y =
If Trim(X) <> "" Then	drOpen("harga_jual").ToString
Dim cmdOpen As New SqlCommand	End While End If
If conn.State =	drOpen.Close()
ConnectionState.Open Then	End If
conn.Close()	Return Y
conn.Open()	End Function
<pre>cmdOpen.Connection =</pre>	
conn	Private Sub btnBersihkan_Click(sender
query = "Select * From	As Object, e As EventArgs) Handles
Stok where kode_stok = '" &	btnBersihkan.Click
Trim(X) & "'"	txtKode_S.Text = ""
<pre>cmdOpen.CommandText =</pre>	txtNama_S.Text = ""
query	txtQty.Text = ""

```
txtHarga.Text = ""
                                              txtSubTotal.Text = ""
            Dim drOpen As
                                          End Sub
SqlDataReader =
cmdOpen.ExecuteReader
            If drOpen.HasRows Then
                                          Private Sub Total()
                While
                                              Dim XTotal As Decimal = 0
drOpen.Read()
                                              For i = 0 To dgvDetail.Rows.Count
                                      - 1
drOpen("nama").ToString
                                                  XTotal = XTotal +
                End While
                                      dgvDetail.Rows(i).Cells(4).Value
            End If
                                                  txtTotal.Text = Format(XTotal,
            drOpen.Close()
                                      "##,##0.00")
        End If
                                              Next
        Return Y
                                          End Sub
    End Function
                                          Private Sub btnTambah_S_Click(sender
    Function GetPriceStok(X As
                                      As Object, e As EventArgs) Handles
String) As Decimal
                                      btnTambah_S.Click
        Dim Y As Decimal = 0
                                              If (Trim(txtKode_S.Text) <> "" And
        If Trim(X) <> "" Then
                                      Trim(txtNama_S.Text) <> "") Then
                                                  If Not
            Dim cmdOpen As New
SqlCommand
                                      IsNumeric(Trim(txtQty.Text)) Then
            If conn.State =
                                      txtQty.Text = 0
ConnectionState.Open Then
conn.Close()
                                      IsNumeric(Trim(txtHarga.Text)) Then
                                      txtHarga.Text = 0
            conn.Open()
                                                  Dim ketemu As Boolean = False
            cmdOpen.Connection =
conn
                                                  Dim temp As Integer
            query = "Select * From
                                                  For i As Integer = 0 To
Stok where kode_stok = '" &
                                      dgvDetail.RowCount = 1 And Not ketemu
Trim(X) & "'"
            cmdOpen.CommandText =
                                      dgvDetail.Rows(i).Cells(0).Value.ToString
                                      = Trim(txtKode_S.Text) Then
query
                                                          ketemu = True
                                                          temp = i
            Dim drOpen As
                                                      End If
SqlDataReader =
cmdOpen.ExecuteReader
                                                  Next
            If drOpen.HasRows Then
                                                  If ketemu Then
                While
drOpen.Read()
                                      dgvDetail.Rows(temp).Cells(2).Value =
drOpen("harga_beli").ToString
                                      txtQty.Text
                End While
            End If
                                      dgvDetail.Rows(temp).Cells(3).Value =
            drOpen.Close()
                                      txtHarga.Text
        End If
        Return Y
                                      dgvDetail.Rows(temp).Cells(4).Value =
    End Function
                                      CDec(txtHarga.Text) * CDec(txtQty.Text)
    Private Sub
                                                  Else
btnBersihkan_Click(sender As
Object, e As EventArgs) Handles
                                      dgvDetail.Rows.Add(Trim(txtKode_S.Text),
btnBersihkan.Click
                                      Trim(txtNama_S.Text), txtQty.Text,
        txtKode_S.Text = ""
                                      txtHarga.Text, CDec(txtHarga.Text) *
        txtNama_S.Text = ""
                                      CDec(txtQty.Text))
        txtOtv.Text = ""
                                                  End If
        txtHarga.Text = ""
        txtSubTotal.Text = ""
                                                  Total()
    End Sub
                                                  Call
    Private Sub Total()
                                      btnBersihkan_Click(sender, e)
        Dim XTotal As Decimal = 0
                                                  txtKode_S.Select()
                                              End If
        For i = 0 To
dgvDetail.Rows.Count - 1
                                          End Sub
```

```
XTotal = XTotal +
                                          Private Sub btnSelesai_Click(sender As
dgvDetail.Rows(i).Cells(4).Value
                                      Object, e As EventArgs) Handles
                                     btnSelesai.Click
            txtTotal.Text =
Format(XTotal, "##, ##0.00")
                                              gbMenu.Visible = False
                                          End Sub
        Next
    End Sub
    Private Sub
                                          Private Sub btnCari_S_Click(sender As
btnTambah_S_Click(sender As
                                      Object, e As EventArgs) Handles
                                     btnCari_S.Click
Object, e As EventArgs) Handles
                                              vStok = "JualStok"
btnTambah_S.Click
        If (Trim(txtKode_S.Text)
                                              FrmListStok.Close()
<> "" And Trim(txtNama_S.Text) <>
                                              FrmListStok.MdiParent = mdiMenu
"") Then
                                              FrmListStok.Show()
            If Not
                                          End Sub
IsNumeric(Trim(txtQty.Text)) Then
                                          Public Sub txtKode_S_LostFocus(sender
txtQty.Text = 0
            If Not
                                      As Object, e As EventArgs) Handles
IsNumeric(Trim(txtHarga.Text))
                                     txtKode_S.LostFocus
Then txtHarga.Text = 0
                                              If Trim(txtKode_S.Text) <> "" Then
                                                  txtNama_S.Text =
            Dim ketemu As Boolean
                                      GetNameStok(Trim(txtKode_S.Text))
= False
            Dim temp As Integer
                                                  txtHarga.Text =
            For i As Integer = 0
                                      Format(GetPriceStok(Trim(txtKode_S.Text)),
To dgvDetail.RowCount = 1 And Not
                                      "##,##0.00")
ketemu
                                              End If
dgvDetail.Rows(i).Cells(0).Value.T
                                          End Sub
oString = Trim(txtKode_S.Text)
Then
                                          Private Sub txtQty_GotFocus(sender As
                    ketemu = True
                                      Object, e As EventArgs) Handles
                    temp = i
                                      txtQty.GotFocus
                End If
                                              txtQty.SelectAll()
            Next
                                          End Sub
            If ketemu Then
                                          Private Sub txtHarga_GotFocus(sender
                                      As Object, e As EventArgs) Handles
dgvDetail.Rows(temp).Cells(2).Valu
                                     txtHarga.GotFocus
e = txtQty.Text
                                              txtHarga.SelectAll()
                                          End Sub
dgvDetail.Rows(temp).Cells(3).Valu
e = txtHarga.Text
                                          Private Sub
                                      dgvDetail_DoubleClick(sender As Object, e
dgvDetail.Rows(temp).Cells(4).Valu
                                      As EventArgs) Handles
e = CDec(txtHarga.Text) *
                                      dgvDetail.DoubleClick
CDec(txtQty.Text)
                                      dgvDetail.CurrentRow.Cells(0).Value <> ""
            Else
                                      Then
dgvDetail.Rows.Add(Trim(txtKode_S.
                                                  gbMenu.Visible = True
Text), Trim(txtNama_S.Text),
                                                  txtKode_S.Text =
txtQty.Text, txtHarga.Text,
                                      dgvDetail.CurrentRow.Cells(0).Value
CDec(txtHarga.Text) *
                                                  txtNama_S.Text =
CDec(txtQty.Text))
                                      dgvDetail.CurrentRow.Cells(1).Value
            End If
                                                  txtQty.Text =
                                     Format(CDec(dgvDetail.CurrentRow.Cells(2).
                                     Value), "##,##0")
            Total()
            Call
                                                  txtHarga.Text =
                                      Format(CDec(dgvDetail.CurrentRow.Cells(3).
btnBersihkan_Click(sender, e)
            txtKode S.Select()
                                     Value), "##,##0.00")
        End If
                                                  txtSubTotal.Text =
                                     Format(CDec(dgvDetail.CurrentRow.Cells(4).
    End Sub
                                     Value), "##,##0.00")
                                              End If
    Private Sub
                                         End Sub
btnSelesai_Click(sender As Object,
```

e As EventArgs) Handles	Private Sub btnCari_C_Click(sender As
btnSelesai.Click	Object, e As EventArgs) Handles
gbStok.Visible = False	btnCari_C.Click
End Sub	vCustomer = "CustomerJual"
	<pre>FrmListCustomer.Close()</pre>
Private Sub	FrmListCustomer.MdiParent =
<pre>btnCari_S_Click(sender As Object,</pre>	mdiMenu
e As EventArgs) Handles	<pre>FrmListCustomer.Show()</pre>
btnCari_S.Click	End Sub
vStok = "BeliStok"	
<pre>FrmListStok.Close()</pre>	
FrmListStok.MdiParent =	<pre>Public Sub txtKode_C_LostFocus(sender</pre>
mdiMenu	As Object, e As EventArgs) Handles
<pre>FrmListStok.Show()</pre>	txtKode_C.LostFocus
End Sub	kodeCustomer = txtKode_C.Text
	<pre>If Trim(txtKode_C.Text) &lt;&gt; "" Then</pre>
Public Sub	Using cnn = New SqlConnection
txtKode_S_LostFocus(sender As	cnn.ConnectionString =
Object, e As EventArgs) Handles	"Data Source = localhost\SQLEXPRESS;
txtKode_S.LostFocus	Initial Catalog = lagoods_ep; Integrated
<pre>If Trim(txtKode_S.Text) &lt;&gt;</pre>	Security = True"
"" Then	Using cmdX As New
txtNama_S.Text =	SqlCommand SqlCommand
GetNameStok(Trim(txtKode_S.Text))	
	<pre>cnn.Open() cmdX.Connection = cnn</pre>
txtHarga.Text = Format(GetPriceStok(Trim(txtKode_S	
	query = "Select * from
.Text)), "##,##0.00")	Customer Where kode_customer ='" &
End III	Trim(txtKode_C.Text) & "'"
End If	cmdX.CommandText =
End Sub	query
Private Sub	IPust Data Adapton
	'Buat Data Adapter
txtQty_GotFocus(sender As Object,	Using drX As
e As EventArgs) Handles	SqlDataReader = cmdX.ExecuteReader
txtQty.GotFocus	If drX.HasRows
txtQty.SelectAll()	Then
End Sub	While
Portion to a Colle	drX.Read()
Private Sub	
txtHarga_GotFocus(sender As	<pre>txtNama_C.Text = drX("nama")</pre>
Object, e As EventArgs) Handles	
txtHarga.GotFocus	<pre>txtSisaPoin.Text = Format(drX("poin"),</pre>
txtHarga.SelectAll()	"##,##0").ToString
End Sub	End While
	End If
Private Sub	drX.Close()
dgvDetail_DoubleClick(sender As	End Using
Object, e As	End Using
DataGridViewCellEventArgs) Handles	End Using
dgvDetail.CellDoubleClick	End If
If	End Sub
dgvDetail.CurrentRow.Cells(0).Valu	
e <> "" Then	
gbStok.Visible = True	Private Sub btnPoin_Click(sender As
txtKode_S.Text =	Object, e As EventArgs) Handles
dgvDetail.CurrentRow.Cells(0).Valu	btnPoin.Click
e	gbPoin.Visible = True
txtNama_S.Text =	End Sub
dgvDetail.CurrentRow.Cells(1).Valu	
e	
txtQty.Text =	Private Sub btnProses_Click(sender As
<pre>txtQty.Text = Format(CDec(dgvDetail.CurrentRow.C</pre>	Private Sub btnProses_Click(sender As Object, e As EventArgs) Handles

```
txtHarga.Text =
Format(CDec(dgvDetail.CurrentRow.C
                                              txtTotal.Text = txtTotal.Text -
ells(3).Value, "##,##0.00")
                                      (CInt(cbPoin.Text) * 1000)
            txtSubTotal.Text =
Format(CDec(dgvDetail.CurrentRow.C
ells(4).Value), "##,##0.00")
                                              Dim cmdOpen As New SqlCommand
        End If
                                              If conn.State =
    End Sub
                                     ConnectionState.Open Then conn.Close()
                                              conn.Open()
    Private Sub
                                              cmdOpen.Connection = conn
PembelianStok_Closed(sender As
                                              query = "SELECT * FROM Customer
Object, e As EventArgs) Handles
                                      WHERE kode_customer = '" &
                                     Trim(txtKode_C.Text) & "'"
Me.Closed
        If conn.State =
                                              cmdOpen.CommandText = query
ConnectionState.Open Then
conn.Close()
                                              Dim drOpen As SqlDataReader =
    End Sub
                                     cmdOpen.ExecuteReader
End Class
                                              If drOpen.HasRows Then
                                                  drOpen.Read()
                                                  Dim currentPoints As Integer =
                                     CInt(drOpen("poin"))
                                                  drOpen.Close()
                                                  ' Calculate the new points by
                                      subtracting the points from cbPoin from
                                     the current points
                                                  Dim selectedPoints As Integer
                                     = CInt(cbPoin.Text)
                                                  If selectedPoints <=</pre>
                                      currentPoints Then
                                                      Dim newPoints As Integer =
                                     currentPoints - selectedPoints
                                                      query = "UPDATE Customer
                                     SET poin = " & newPoints &
                                                              " WHERE
                                     kode_customer = '" & Trim(txtKode_C.Text)
                                     8 """
                                                      cmdOpen.CommandText =
                                     query
                                                      cmdOpen.ExecuteNonQuery()
                                                      conn.Close()
                                                      MessageBox.Show("Harga
                                     Terpotong")
                                                  Else
                                                      conn.Close()
                                                      MessageBox.Show("Poin Mu
                                     Tidak Cukup")
                                                  End If
                                              Else
                                                  drOpen.Close()
                                                  MessageBox.Show("Customer
                                     Tidak Ditemukan")
                                                  conn.Close()
                                                  cbPoin.Select()
                                              End If
                                         End Sub
                                          Private Sub Button1_Click(sender As
                                      Object, e As EventArgs) Handles
                                     btnSelesai_P.Click
```

```
gbPoin.Visible = False
End Sub

End Class
```

Tabel 4. 3 Pembelian Dan Penjualan Stok

#### **CATERING**

```
Imports System.Data
Imports System.Data.SqlClient
Public Class Catering
    Dim query As String
    Private conn As New SqlConnection
    Private totalQty As Integer = 0
    Private Sub connect()
        conn.ConnectionString = "Data Source = localhost\SQLEXPRESS; Initial
Catalog = lagoods_ep; Integrated Security = True"
    End Sub
    Sub clear()
        txtKode.Text = AutoCode3("Catering", Now.Date)
        txtNama.Text = ""
        txtKode_S.Text = ""
        txtNama_S.Text = ""
        txtQty.Text = ""
        dgvDetail.Rows.Clear()
        dgvDetail.Columns(2).HeaderCell.Style.Alignment =
DataGridViewContentAlignment.MiddleRight
        dgvDetail.Columns(2).DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleRight
        dgvDetail.Columns(2).DefaultCellStyle.Format = "##,##0"
        gbMenu.Visible = True
    End Sub
    Private Sub Catering_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        connect()
        txtKode.Text = ""
        clear()
        gbMenu.Visible = True
    End Sub
    Private Sub btnSimpan_Click(sender As Object, e As EventArgs) Handles
btnSimpan.Click
        Dim cmdOpen As New SqlCommand
        If conn.State = ConnectionState.Open Then conn.Close()
```

```
conn.Open()
        cmdOpen.Connection = conn
        query = "Select * From Catering Where kode_catering ='" &
Trim(txtKode.Text) & "'"
        cmdOpen.CommandText = query
        cmdOpen.ExecuteNonQuery()
        Dim drOpen As SqlDataReader = cmdOpen.ExecuteReader
        If drOpen.HasRows Then
            sAda = True
            query = "update Catering set " &
                    "nama = '" & Trim(txtNama.Text) & "'" &
                    "Total = " & CInt(txtTotal.Text) &
                    "where kode_catering = '" & Trim(txtKode.Text) & "'"
        Else
            sAda = False
            query = "Insert into Catering values('" & Trim(txtKode.Text) &
"','" & Trim(txtNama.Text) & "'," &
                    CInt(txtTotal.Text) & ")"
        End If
        drOpen.Close()
        cmdOpen.CommandText = query
        cmdOpen.ExecuteNonQuery()
        query = "delete from Catering_Detail where kode_catering ='" &
Trim(txtKode.Text) & "'"
        cmdOpen.CommandText = query
        cmdOpen.ExecuteNonQuery()
        Dim i As Integer
        For i = 0 To dgvDetail.Rows.Count - 1
            If (dgvDetail.Rows(i).Cells(0).Value <> "") Then
                query = "insert into Catering_Detail values ('" &
Trim(txtKode.Text) & "'," & i & ",'" &
                        Trim(dgvDetail.Rows(i).Cells(0).Value) & "','" &
                        Trim(dgvDetail.Rows(i).Cells(1).Value) & "'," &
                        CDec(dgvDetail.Rows(i).Cells(2).Value) & ")

                cmdOpen.CommandText = query
                cmdOpen.ExecuteNonQuery()
            End If
        Next
        conn.Close()
        MessageBox.Show("Data Berhasil Disimpan")
        clear()
        txtKode.Select()
    End Sub
    Public Sub txtKode_LostFocus(sender As Object, e As EventArgs) Handles
txtKode.LostFocus
        If Trim(txtKode.Text) <> "" Then
            Dim cmdOpen As New SqlCommand
            If conn.State = ConnectionState.Open Then conn.Close()
            conn.Open()
            cmdOpen.Connection = conn
            query = "Select * From Catering where kode_catering ='" &
Trim(txtKode.Text) & "'"
            cmdOpen.CommandText = query
            Dim drOpen As SqlDataReader = cmdOpen.ExecuteReader
            If drOpen.HasRows Then
```

```
While drOpen.Read()
                    txtKode.Text = drOpen("kode_catering").ToString
                    txtNama.Text = drOpen("nama").ToString
                End While
                dgvDetail.Rows.Clear()
                drOpen.Close()
                If conn.State = ConnectionState.Open Then conn.Close()
                conn.Open()
                query = "Select * From Catering_Detail Where kode_catering = '"
& Trim(txtKode.Text) & "' order by no"
                cmdOpen.Connection = conn
                cmdOpen.CommandText = query
                cmdOpen.ExecuteNonQuery()
                drOpen = cmdOpen.ExecuteReader
                If drOpen.HasRows Then
                    While drOpen.Read()
                        dgvDetail.Rows.Add(dr0pen("kode_stok"), dr0pen("nama"),
drOpen("qty"))
                    End While
                End If
                drOpen.Close()
                conn.Close()
            End If
            drOpen.Close()
        End If
    End Sub
    Private Sub btnBatal_Click(sender As Object, e As EventArgs) Handles
btnBatal.Click
        clear()
    End Sub
    Private Sub btnHapus_Click(sender As Object, e As EventArgs) Handles
btnHapus.Click
        If MessageBox.Show("Yakin mau Dihapus?", "Konfirmasi",
MessageBoxButtons.OKCancel) = vbOK Then
            Dim cmdOpen As New SqlCommand
            If conn.State = ConnectionState.Open Then conn.Close()
            conn.Open()
            cmdOpen.Connection = conn
            query = "Delete from Catering Where kode_catering = '" &
Trim(txtKode.Text) & "'"
            cmdOpen.CommandText = query
            cmdOpen.ExecuteNonQuery()
            query = "Delete from Catering_Detail Where kode_catering = '" &
Trim(txtKode.Text) & "'"
            cmdOpen.CommandText = query
            cmdOpen.ExecuteNonQuery()
            MessageBox.Show("Data Has Been Deleted")
            txtKode.Select()
        End If
    End Sub
```

```
Private Sub btnCari_Click(sender As Object, e As EventArgs) Handles
btnCari.Click
        vCatering = "Catering"
        FrmListCatering.Close()
        FrmListCatering.MdiParent = mdiMenu
        FrmListCatering.Show()
    End Sub
    Private Sub Catering_Closed(sender As Object, e As EventArgs) Handles
Me.Closed
        txtNama.Select()
        If conn.State = ConnectionState.Open Then conn.Close()
        conn = Nothing
    Private Sub txtQty_KeyPress(sender As Object, e As KeyPressEventArgs)
Handles txtQty.KeyPress
        If Asc(e.KeyChar) <> Asc(vbBack) Then
            If Asc(e.KeyChar) < Asc(0) Or Asc(e.KeyChar) > Asc(9) Then
                e.Handled = True
            End If
        End If
    End Sub
    Private Sub txtQty_LostFocus(sender As Object, e As EventArgs) Handles
txtQty.LostFocus
        If Not IsNumeric(Trim(txtQty.Text)) Then txtQty.Text = 0
        txtQty.Text = Format(CDec(txtQty.Text), "##,##0")
    Function GetNameStok(X As String) As String
        Dim Y As String = ""
        If Trim(X) <> "" Then
            Dim cmdOpen As New SqlCommand
            If conn.State = ConnectionState.Open Then conn.Close()
            conn.Open()
            cmdOpen.Connection = conn
            query = "Select * From Stok where kode_stok = '" & Trim(X) & "'"
            cmdOpen.CommandText = query
            'Buat Data Adapter
            Dim drOpen As SqlDataReader = cmdOpen.ExecuteReader
            If drOpen.HasRows Then
                While drOpen.Read()
                    Y = drOpen("nama").ToString
                End While
            End If
            drOpen.Close()
        End If
        Return Y
    End Function
    Private Sub btnTambah_S_Click(sender As Object, e As EventArgs) Handles
btnTambah_S.Click
        Dim qty As Integer = 0
        If Integer.TryParse(txtQty.Text, qty) Then
            totalQty += qty
            txtTotal.Text = totalOty.ToString() * 3000
            MessageBox.Show("Input gty tidak valid.")
        End If
        If (Trim(txtKode_S.Text) <> "" And Trim(txtNama_S.Text) <> "") Then
```

```
If Not IsNumeric(Trim(txtQty.Text)) Then txtQty.Text = 0
            Dim ketemu As Boolean = False
            Dim temp As Integer
            For i As Integer = 0 To dgvDetail.RowCount = 1 And Not ketemu
                If dgvDetail.Rows(i).Cells(0).Value.ToString =
Trim(txtKode_S.Text) Then
                    ketemu = True
                    temp = i
                End If
            Next
            If ketemu Then
                dgvDetail.Rows(temp).Cells(2).Value = txtQty.Text
                dgvDetail.Rows.Add(Trim(txtKode_S.Text), Trim(txtNama_S.Text),
(txtQty.Text))
            End If
            Call btnBersihkan_Click(sender, e)
            txtKode_S.Select()
        End If
    End Sub
    Private Sub btnBersihkan_Click(sender As Object, e As EventArgs) Handles
btnBersihkan.Click
        txtKode_S.Text = ""
        txtNama_S.Text = ""
        txtQty.Text = ""
    End Sub
    Private Sub btnCari_S_Click(sender As Object, e As EventArgs) Handles
btnCari_S.Click
        vStok = "Paket"
        FrmListStok.Close()
        FrmListStok.MdiParent = mdiMenu
        FrmListStok.Show()
    End Sub
    Public Sub txtKode_S_LostFocus(sender As Object, e As EventArgs) Handles
txtKode_S.LostFocus
        If Trim(txtKode_S.Text) <> "" Then
            txtNama_S.Text = GetNameStok(Trim(txtKode_S.Text))
        End If
    End Sub
    Private Sub txtQty_GotFocus(sender As Object, e As EventArgs) Handles
txtQty.GotFocus
        txtQty.SelectAll()
    End Sub
    Private Sub dgvDetail_CellDoubleClick(sender As Object, e As
DataGridViewCellEventArgs) Handles dgvDetail.CellDoubleClick
        If dgvDetail.CurrentRow.Cells(0).Value <> "" Then
            gbMenu.Visible = True
            txtKode_S.Text = dgvDetail.CurrentRow.Cells(0).Value
            txtKode_S_LostFocus(sender, e)
            txtQty.Text = Format(CDec(dgvDetail.CurrentRow.Cells(2).Value),
"##.##0")
        End If
    End Sub
    Private Sub Catering_Deactivate(sender As Object, e As EventArgs) Handles
Me.Deactivate
```

```
txtNama.Select()
End Sub
End Class
```

Tabel 4. 4 Catering

#### 4.5.3 SOURCE CODE LAPORAN LIST

```
STOK
                                            ADMIN
Imports System.Data
                                            Imports System.Data
Imports System.Data.SqlClient
                                            Imports System.Data.SqlClient
Public Class FrmListStok
                                            System.Diagnostics.Eventing.Reader
    Dim query As String
    Dim conn As New SqlConnection
                                           Public Class FrmListAdmin
    Dim jenis As String
                                                Dim query As String
                                                Dim conn As New SqlConnection
    Public Sub connect()
                                                Dim jenis As String
        conn.ConnectionString = "Data
Source = localhost\SQLEXPRESS; Initial
                                                Public Sub connect()
Catalog = lagoods_ep; Integrated Security
                                                    conn.ConnectionString =
= True"
                                            "Data Source = localhost\SQLEXPRESS;
                                            Initial Catalog = lagoods_ep;
    End Sub
                                            Integrated Security = True"
                                                End Sub
    Private Sub FrmListStok_Load(sender
As Object, e As EventArgs) Handles
MyBase.Load
                                                Private Sub
        Dim i As Integer
                                            FrmListAdmin_Load(sender As Object,
        cboCari.Items.Clear()
                                            e As EventArgs) Handles MyBase.Load
        cboCari.Items.Add("ID Stok")
                                                    Dim i As Integer
        cboCari.Items.Add("Nama Stok")
                                                    cboCari.Items.Clear()
                                                    cboCari.Items.Add("Kode
        cboCari.SelectedIndex = 1
                                           Admin")
        connect()
                                                    cboCari.Items.Add("Nama")
        Dim cmdOpen As New SqlCommand
        If conn.State =
                                                    cboCari.SelectedIndex = 1
ConnectionState.Open Then conn.Close()
                                                    connect()
        conn.Open()
                                                    Dim cmdOpen As New
                                            SqlCommand
        cmdOpen.Connection = conn
                                                    If conn.State =
        query = "Select * From Stok order
                                            ConnectionState.Open Then
                                            conn.Close()
by kode_stok"
        cmdOpen.CommandText = query
                                                    conn.Open()
        cmdOpen.ExecuteNonQuery()
                                                    cmdOpen.Connection = conn
        'Buat Data Adapter
```

```
Dim drOpen As SqlDataReader =
                                                    query = "Select * From Admin
cmdOpen.ExecuteReader
                                            order by kode_admin"
        i = 1
                                                    cmdOpen.CommandText = query
                                                    cmdOpen.ExecuteNonQuery()
        'Buat Data Adapter
        If drOpen.HasRows Then
                                                    'Buat Data Adapter
                                                    Dim drOpen As SqlDataReader
            While drOpen.Read()
                dgv.Rows.Add(i,
                                            = cmdOpen.ExecuteReader
drOpen("kode_stok").ToString,
                                                    i = 1
drOpen("nama"), drOpen("harga_beli"),
drOpen("harga_jual"), drOpen("stok"))
                                                    'Buat Data Adapter
                i = i + 1
                                                    If drOpen.HasRows Then
            End While
                                                        While drOpen.Read()
        End If
                                                            dgv.Rows.Add(i,
        drOpen.Close()
                                            drOpen("kode_admin").ToString,
        conn.Close()
                                            drOpen("nama"), drOpen("nomor_wa"),
                                            drOpen("level_wa"))
                                                            i = i + 1
                                                        End While
dgv.Columns(3).DefaultCellStyle.Format =
"Rp#, ##0.00"
                                                    End If
                                                    drOpen.Close()
                                                    conn.Close()
dgv.Columns(4).DefaultCellStyle.Format =
"Rp#, ##0.00"
                                                End Sub
dgv.Columns(5).DefaultCellStyle.Format =
"##, ##0"
                                                Private Sub
    End Sub
                                            txtCari_KeyDown(sender As Object, e
                                            As KeyEventArgs) Handles
    Private Sub txtCari_KeyDown(sender As
                                            txtCari.KeyDown
Object, e As KeyEventArgs) Handles
                                                    If e.KeyCode = Keys.Enter
txtCari.KeyDown
                                            Then
        If e.KeyCode = Keys.Enter Then
                                                        If cboCari.Text <> ""
            If cboCari.Text <> "" Then
                                            Then
                Dim cmdOpen As New
                                                            Dim cmdOpen As New
                                            SqlCommand
SqlCommand
                If conn.State =
                                                            If conn.State =
ConnectionState.Open Then conn.Close()
                                            ConnectionState.Open Then
                conn.Open()
                                            conn.Close()
                cmdOpen.Connection = conn
                                                            conn.Open()
                Select Case cboCari.Text
                                                            cmdOpen.Connection =
                    Case "ID Stok" :
                                            conn
jenis = "kode_stok"
                                                            Select Case
                    Case "Nama Stok" :
                                            cboCari.Text
jenis = "nama"
                                                                Case "Kode
                                            Admin" : jenis = "kode_admin"
                End Select
                                                                Case "Nama" :
                                            jenis = "nama"
                dgv.Rows.Clear()
                                                            End Select
                query = "Select * From
Stok Where " & jenis & " like '%" &
                                                            dgv.Rows.Clear()
Trim(txtCari.Text) & "%'"
                                                            query = "Select *
                query = query & " Order
                                            From Admin Where " & jenis & " like
By kode_stok"
                                            '%" & Trim(txtCari.Text) & "%'"
                cmdOpen.CommandText =
query
                                                            query = query & "
                cmdOpen.ExecuteNonQuery()
                                            Order By kode_admin'
                                                            cmdOpen.CommandText
                'Buat Data Adapter
                                            = querv
                Dim drOpen As
SglDataReader = cmdOpen.ExecuteReader
                                            cmdOpen.ExecuteNonOuerv()
                Dim i As Integer
                i = 1
                                                             'Buat Data Adapter
```

```
'Buat Data Adapter
                                                             Dim drOpen As
                If drOpen.HasRows Then
                                             SqlDataReader =
                    While drOpen.Read()
                                            cmdOpen.ExecuteReader
                        dgv.Rows.Add(i,
                                                             Dim i As Integer
drOpen("kode_stok").ToString,
                                                             i = 1
drOpen("nama"), drOpen("harga_beli"),
drOpen("harga_jual"), drOpen("stok"))
                                                             'Buat Data Adapter
                         i = i + 1
                                                             If drOpen.HasRows
                    End While
                                             Then
                                                                 While
                End If
                drOpen.Close()
                                             drOpen.Read()
                conn.Close()
            Else
                                            dgv.Rows.Add(i,
                Dim cmdOpen As New
                                             drOpen("kode_admin").ToString,
SqlCommand
                                             drOpen("nama"), drOpen("nomor_wa"),
                                            drOpen("level_wa"))
                If conn.State =
ConnectionState.Open Then conn.Close()
                                                                      i = i + 1
                conn.Open()
                                                                 End While
                cmdOpen.Connection = conn
                                                             End If
                                                             drOpen.Close()
                                                             conn.Close()
                dgv.Rows.Clear()
                                                         Else
                query = "Select * From
                                                             Dim cmdOpen As New
Stok "
                                            SqlCommand
                query = query & " Order
                                                             If conn.State =
By kode_stok"
                                             ConnectionState.Open Then
                cmdOpen.CommandText =
                                             conn.Close()
                                                             conn.Open()
query
                cmdOpen.ExecuteNonQuery()
                                                             cmdOpen.Connection =
                                            conn
                'Buat Data Adapter
                Dim drOpen As
                                                             dgv.Rows.Clear()
SqlDataReader = cmdOpen.ExecuteReader
                Dim i As Integer
                                                             query = "Select *
                i = 1
                                            From Admin "
                                                             query = query & "
                'Buat Data Adapter
                                            Order By kode_admin"
                If drOpen.HasRows Then
                                                             cmdOpen.CommandText
                    While drOpen.Read()
                                            = query
                         dgv.Rows.Add(i,
drOpen("kode_stok").ToString,
                                             cmdOpen.ExecuteNonQuery()
drOpen("nama"), drOpen("harga_beli"),
drOpen("harga_jual"), drOpen("stok"))
                                                             'Buat Data Adapter
                         i = i + 1
                                                             Dim drOpen As
                    End While
                                             SqlDataReader =
                End If
                                             cmdOpen.ExecuteReader
                drOpen.Close()
                                                             Dim i As Integer
                conn.Close()
                                                             i = 1
            End If
        End If
                                                             'Buat Data Adapter
    End Sub
                                                             If drOpen.HasRows
                                             Then
    Private Sub
                                                                 While
dav_CellDoubleClick(sender As Object, e
                                            drOpen.Read()
As DataGridViewCellEventArgs) Handles
                                             dav.Rows.Add(i,
dgv.CellDoubleClick
        If dgv.CurrentRow.Cells(1).Value
                                             drOpen("kode_admin").ToString,
                                            drOpen("nama"), drOpen("nomor_wa"),
drOpen("level_wa"))
<> "" Then
            Select Case vStok
                Case "BeliStok"
                                                                      i = i + 1
                                                                 End While
                                                             End If
PembelianStok.txtKode_S.Text =
dgv.CurrentRow.Cells(1).Value
                                                             drOpen.Close()
```

```
conn.Close()
                    Call
                                                        End If
PembelianStok.txtKode_S_LostFocus(sender,
                                                    End If
                Case "Stok"
                                                End Sub
                    Stok.txtID.Text =
dgv.CurrentRow.Cells(1).Value
                                                Private Sub
                    Ca11
Stok.txtID_LostFocus(sender, e)
                                            dgv_CellDoubleClick(sender As
                Case "JualStok"
                                            Object, e As
                                            DataGridViewCellEventArgs) Handles
Penjualan.txtKode_S.Text =
                                            dgv.CellDoubleClick
dgv.CurrentRow.Cells(1).Value
                                            dgv.CurrentRow.Cells(1).Value <> ""
                    Call
Penjualan.txtKode_S_LostFocus(sender, e)
                                            Then
                Case "Paket"
                                                        Select Case vAdmin
                                                            Case "Admin"
Catering.txtKode_S.Text =
dgv.CurrentRow.Cells(1).Value
                                            Admin.txtKode.Text =
                    Call
                                            dgv.CurrentRow.Cells(1).Value
Catering.txtKode_S_LostFocus(sender, e)
                                                                Call
            End Select
                                            Admin.txtKode_LostFocus(sender, e)
            Me.Close()
                                                        End Select
        End If
                                                        Me.Close()
                                                    End If
    End Sub
                                                End Sub
    Private Sub dgv_KeyDown(sender As
Object, e As KeyEventArgs) Handles
                                                Private Sub dgv_KeyDown(sender
dgv.KeyDown
                                            As Object, e As KeyEventArgs)
        If e.KeyCode = Keys.Enter Then
                                            Handles dgv.KeyDown
                                                    If e.KeyCode = Keys.Enter
dgv.CurrentRow.Cells(1).Value <> "" Then
                                            Then
                Select Case vStok
                                                        Select Case vAdmin
                                                            Case "Admin"
                    Case "BeliStok"
PembelianStok.txtKode_S.Text =
                                            Admin.txtKode.Text =
dgv.CurrentRow.Cells(1).Value
                                            dgv.CurrentRow.Cells(1).Value
                        Call
                                                                Call
PembelianStok.txtKode_S_LostFocus(sender,
                                            Admin.txtKode_LostFocus(sender, e)
e)
                                                        End Select
                    Case "Stok"
                                                        Me.Close()
                        Stok.txtID.Text =
                                                    End If
dgv.CurrentRow.Cells(1).Value
                                                End Sub
Stok.txtID_LostFocus(sender, e)
                                                Private Sub
                    Case "JualStok"
                                            FrmListAdmin_Closed(sender As
                                            Object, e As EventArgs) Handles
Penjualan.txtKode_S.Text =
                                            Me.Closed
dgv.CurrentRow.Cells(1).Value
                                                    If conn.State =
                                            ConnectionState.Open Then
                        Call
Penjualan.txtKode_S_LostFocus(sender, e)
                                            conn.Close()
                    Case "Paket"
                                                    conn = Nothing
                                                End Sub
                                            End Class
Catering.txtKode_S.Text =
dgv.CurrentRow.Cells(1).Value
                        Call
Catering.txtKode_S_LostFocus(sender, e)
                End Select
                Me.Close()
            End If
        End If
    End Sub
```

Tabel 4. 5 Source Code Laporan List

#### COSTUMER PEMBELIAN STOK Imports System.Data Imports System.Data Imports System.Data.SqlClient Imports System.Data.SqlClient Imports Public Class FrmListCustomer System.Diagnostics.Eventing.Reader Dim guery As String Dim conn As New SqlConnection Public Class FrmListPembelian Dim jenis As String Dim query As String Dim conn As New SqlConnection Public Sub connect() Dim jenis As String conn.ConnectionString = "Data Source = localhost\SQLEXPRESS; Initial Public Sub connect() conn.ConnectionString = "Data Catalog = lagoods\_ep; Integrated Security = True" Source = localhost\SQLEXPRESS; Initial End Sub Catalog = lagoods\_ep; Integrated Security = True" End Sub Private Sub FrmListCustomer\_Load(sender As Object, e As EventArgs) Handles MyBase.Load Private Sub Dim i As Integer FrmListPembelian\_Load(sender As Object, cboCari.Items.Clear() e As EventArgs) Handles MyBase.Load cboCari.Items.Add("Kode Dim i As Integer Customer") cboCari.Items.Clear() cboCari.Items.Add("No Beli") cboCari.Items.Add("Tanggal") cboCari.Items.Add("Nama Customer") cboCari.SelectedIndex = 1 cboCari.SelectedIndex = 1 connect() connect() Dim cmdOpen As New SqlCommand Dim cmdOpen As New SqlCommand If conn.State = If conn.State = ConnectionState.Open Then conn.Close() ConnectionState.Open Then conn.Close() conn.Open() conn.Open() cmdOpen.Connection = conn cmdOpen.Connection = conn query = "Select \* From query = "Select \* From Beli Customer order by kode\_customer" order by no\_beli" cmdOpen.CommandText = query cmdOpen.CommandText = querv cmdOpen.ExecuteNonQuery() cmdOpen.ExecuteNonQuery() 'Buat Data Adapter 'Buat Data Adapter

```
Dim drOpen As SqlDataReader =
        Dim drOpen As SqlDataReader =
cmdOpen.ExecuteReader
                                         cmdOpen.ExecuteReader
        i = 1
                                                 i = 1
        'Buat Data Adapter
                                                 'Buat Data Adapter
        If drOpen.HasRows Then
                                                 If drOpen.HasRows Then
            While drOpen.Read()
                                                     While drOpen.Read()
                                                         dgv.Rows.Add(i,
                dgv.Rows.Add(i,
drOpen("kode_customer").ToString,
                                         drOpen("no_beli").ToString,
drOpen("nama"), drOpen("nomor_wa"),
                                         drOpen("tanggal"), drOpen("total"))
drOpen("alamat"), drOpen("poin"))
                                                         i = i + 1
                i = i + 1
                                                     End While
            End While
                                                 End If
        End If
                                                 drOpen.Close()
        drOpen.Close()
                                                 conn.Close()
        conn.Close()
                                         dgv.Columns(3).DefaultCellStyle.Format
                                        = "Rp#, ##0.00"
dgv.Columns(5).DefaultCellStyle.Format
= "##, ##0"
    End Sub
                                             End Sub
    Private Sub txtCari_KeyDown(sender
                                             Private Sub txtCari_KeyDown(sender
                                         As Object, e As KeyEventArgs) Handles
As Object, e As KeyEventArgs) Handles
txtCari.KeyDown
                                         txtCari.KeyDown
        If e.KeyCode = Keys.Enter Then
                                                 If e.KeyCode = Keys.Enter Then
            If cboCari.Text <> "" Then
                                                     If cboCari.Text <> "" Then
                Dim cmdOpen As New
                                                         Dim cmdOpen As New
SqlCommand
                                         SqlCommand
                If conn.State =
                                                         If conn.State =
ConnectionState.Open Then conn.Close()
                                         ConnectionState.Open Then conn.Close()
                conn.Open()
                                                         conn.Open()
                cmdOpen.Connection =
                                                         cmdOpen.Connection =
conn
                                         conn
                Select Case
                                                         Select Case
cboCari.Text
                                         cboCari.Text
                    Case "Kode
                                                             Case "No Beli" :
Customer" : jenis = "kode_customer"
                                         jenis = "no_beli"
                    Case "Nama
                                                             Case "Tanggal" :
Customer" : jenis = "nama"
                                         jenis = "tanggal"
                End Select
                                                         End Select
                dgv.Rows.Clear()
                                                         dgv.Rows.Clear()
                                                         query = "Select * From
                query = "select * From
Customer Where " & jenis & " Like '%"
                                         Beli Where " & jenis & " like '%" &
& Trim(txtCari.Text) & "%'"
                                         Trim(txtCari.Text) & "%'"
                                                         query = query & " Order
                query = query & "
Order By kode_customer"
                                         By no_beli"
                cmdOpen.CommandText =
                                                         cmdOpen.CommandText =
query
                                         query
cmdOpen.ExecuteNonQuery()
                                         cmdOpen.ExecuteNonQuery()
                'Buat Data Adapter
                                                         'Buat Data Adapter
                Dim drOpen As
                                                         Dim drOpen As
SqlDataReader = cmdOpen.ExecuteReader
                                         SqlDataReader = cmdOpen.ExecuteReader
                Dim i As Integer
                                                         Dim i As Integer
                i = 1
                                                         i = 1
                'Buat Data Adapter
                                                         'Buat Data Adapter
                If drOpen.HasRows Then
                                                         If drOpen.HasRows Then
                                                             While drOpen.Read()
```

```
While
                                                                  dgv.Rows.Add(i,
                                         drOpen("no_beli").ToString,
drOpen.Read()
                                         drOpen("tanggal"), drOpen("total"))
dgv.Rows.Add(i,
                                                                  i = i + 1
drOpen("kode_customer").ToString,
                                                              End While
drOpen("nama"), drOpen("nomor_wa"),
                                                         End If
drOpen("alamat"), drOpen("poin"))
                                                         drOpen.Close()
                        i = i + 1
                                                         conn.Close()
                    End While
                                                     Else
                End If
                                                         Dim cmdOpen As New
                drOpen.Close()
                                         SqlCommand
                conn.Close()
                                                         If conn.State =
                                         ConnectionState.Open Then conn.Close()
            Else
                Dim cmdOpen As New
                                                         conn.Open()
SqlCommand
                                                         cmdOpen.Connection =
                If conn.State =
                                         conn
ConnectionState.Open Then conn.Close()
                conn.Open()
                                                         dgv.Rows.Clear()
                cmdOpen.Connection =
conn
                                                         query = "Select * From
                                         Beli "
                dgv.Rows.Clear()
                                                         query = query & " Order
                                         By no_beli"
                query = "select * From
                                                         cmdOpen.CommandText =
Customer "
                                         query
                query = query & "
Order By kode_customer"
                                         cmdOpen.ExecuteNonQuery()
                cmdOpen.CommandText =
query
                                                          'Buat Data Adapter
                                                         Dim drOpen As
                                         SqlDataReader = cmdOpen.ExecuteReader
cmdOpen.ExecuteNonQuery()
                                                         Dim i As Integer
                'Buat Data Adapter
                                                         i = 1
                Dim drOpen As
SqlDataReader = cmdOpen.ExecuteReader
                                                          'Buat Data Adapter
                Dim i As Integer
                                                         If drOpen.HasRows Then
                i = 1
                                                             While drOpen.Read()
                                                                  dgv.Rows.Add(i,
                                         drOpen("no_beli").ToString,
                'Buat Data Adapter
                If drOpen.HasRows Then
                                         drOpen("tanggal"), drOpen("total"))
                    While
                                                                  i = i + 1
drOpen.Read()
                                                              End While
                                                         End If
                                                         drOpen.Close()
dgv.Rows.Add(i,
drOpen("kode_customer").ToString,
                                                         conn.Close()
drOpen("nama"), drOpen("nomor_wa"),
                                                     End If
drOpen("alamat"), drOpen("poin"))
                                                 End If
                                             End Sub
                        i = i + 1
                    End While
                End If
                                             Private Sub
                drOpen.Close()
                                         dgv_CellDoubleClick(sender As Object, e
                conn.Close()
                                         As DataGridViewCellEventArgs) Handles
            End If
                                         dgv.CellDoubleClick
        End If
                                         dgv.CurrentRow.Cells(1).Value <> ""
    End Sub
                                         Then
                                                     Select Case vBeliP
    Private Sub
                                                         Case "BeliP"
dgv_CellDoubleClick(sender As Object,
e As DataGridViewCellEventArgs)
                                         PembelianStok.txtKode.Text =
Handles dgv.CellDoubleClick
                                         dgv.CurrentRow.Cells(1).Value
```

```
If
                                                             Call
dgv.CurrentRow.Cells(1).Value <> ""
                                         PembelianStok.txtKode_LostFocus(sender,
Then
            Select Case vCustomer
                                                     End Select
                Case "Customer"
                                                     Me.Close()
                                                 End If
                                             End Sub
Customer.txtKode.Text =
dgv.CurrentRow.Cells(1).Value
                                             Private Sub dgv_KeyDown(sender As
                    Call
                                         Object, e As KeyEventArgs) Handles
Customer.txtKode_LostFocus(sender, e)
                Case "CustomerJual"
                                         dgv.KeyDown
                                                 If e.KeyCode = Keys.Enter Then
Penjualan.txtKode_C.Text =
dgv.CurrentRow.Cells(1).Value
                                         dgv.CurrentRow.Cells(1).Value <> ""
                    Call
                                         Then
Penjualan.txtKode_C_LostFocus(sender,
                                                         Select Case vBeliP
                                                             Case "BeliP"
e)
            End Select
            Me.Close()
                                         PembelianStok.txtKode.Text =
        End If
                                         dgv.CurrentRow.Cells(1).Value
    End Sub
                                                                 Call
                                         PembelianStok.txtKode_LostFocus(sender,
    Private Sub dgv_KeyDown(sender As
                                         e)
Object, e As KeyEventArgs) Handles
                                                         End Select
dgv.KeyDown
                                                         Me.Close()
        If e.KeyCode = Keys.Enter Then
                                                     End If
                                                 End If
dgv.CurrentRow.Cells(1).Value <> ""
                                             End Sub
Then
                Select Case vCustomer
                                             Private Sub
                    Case "Customer"
                                         FrmListPembelian_Closed(sender As
                                         Object, e As EventArgs) Handles
Customer.txtKode.Text =
                                         Me.Closed
dgv.CurrentRow.Cells(1).Value
                                                 If conn.State =
                                         ConnectionState.Open Then conn.Close()
                        Call
Customer.txtKode_LostFocus(sender, e)
                                                 conn = Nothing
                                             End Sub
                    Case
"CustomerJual"
                                         End Class
Penjualan.txtKode_C.Text =
dgv.CurrentRow.Cells(1).Value
                        Call
Penjualan.txtKode_C_LostFocus(sender,
e)
                End Select
                Me.Close()
            End If
        End If
    End Sub
    Private Sub
FrmListCustomer_Closed(sender As
Object, e As EventArgs) Handles
Me.Closed
        If conn.State =
ConnectionState.Open Then conn.Close()
        conn = Nothing
    End Sub
End Class
```

Tabel 4. 6 Customer Dan Pembelian Stok

#### PENJUALAN CATERING Imports System.Data Imports System.Data Imports System.Data.SqlClient Imports System.Data.SqlClient **Imports** System.Diagnostics.Eventing.Reader Public Class FrmListCatering Dim query As String Public Class FrmListPenjualan Dim conn As New SqlConnection Dim query As String Dim jenis As String Dim conn As New SqlConnection Public Sub connect() Dim jenis As String conn.ConnectionString = "Data Public Sub connect() Source = localhost\SQLEXPRESS; Initial Catalog = lagoods\_ep; Integrated conn.ConnectionString = "Data Source = localhost\SQLEXPRESS; Initial Security = True" End Sub Catalog = lagoods\_ep; Integrated Security = True" End Sub Private Sub Private Sub FrmListPaket\_Load(sender As Object, e FrmListPenjualan\_Load(sender As As EventArgs) Handles MyBase.Load Object, e As EventArgs) Handles Dim i As Integer cboCari.Items.Clear() MyBase.Load cboCari.Items.Add("Kode") Dim i As Integer cboCari.Items.Clear() cboCari.Items.Add("Nama Paket") cboCari.Items.Add("No Jual") cboCari.Items.Add("Kode cboCari.SelectedIndex = 1 Customer") cboCari.Items.Add("Tanggal") connect() Dim cmdOpen As New SqlCommand If conn.State = cboCari.SelectedIndex = 1 ConnectionState.Open Then conn.Close() connect() Dim cmdOpen As New SqlCommand conn.Open() If conn.State = cmdOpen.Connection = conn ConnectionState.Open Then conn.Close() query = "Select \* From conn.Open() Catering order by kode\_catering" cmdOpen.Connection = conn cmdOpen.CommandText = query query = "Select \* From Jual cmdOpen.ExecuteNonQuery() order by no\_jual" cmdOpen.CommandText = guery 'Buat Data Adapter cmdOpen.ExecuteNonQuery() Dim drOpen As SqlDataReader = cmdOpen.ExecuteReader 'Buat Data Adapter i = 1Dim drOpen As SqlDataReader = cmdOpen.ExecuteReader 'Buat Data Adapter If drOpen.HasRows Then i = 1While drOpen.Read() 'Buat Data Adapter dgv.Rows.Add(i, If drOpen.HasRows Then drOpen("kode\_catering").ToString, While drOpen.Read() drOpen("nama")) dgv.Rows.Add(i, i = i + 1drOpen("no\_jual").ToString, End While drOpen("kode\_customer"), End If drOpen("tanggal"), drOpen("total")) drOpen.Close() i = i + 1conn.Close() End While End If drOpen.Close() Private Sub txtCari\_KeyDown(sender As Object, e As KeyEventArgs) Handles conn.Close() txtCari.KeyDown If e.KeyCode = Keys.Enter Then dgv.Columns(4).DefaultCellStyle.Format If cboCari.Text <> "" Then = "Rp#, ##0.00"

```
End Sub
                                                          Dim cmdOpen As New
                                         SqlCommand
    Private Sub txtCari_KeyDown(sender
                                                          If conn.State =
As Object, e As KeyEventArgs) Handles
                                         ConnectionState.Open Then conn.Close()
                                                          conn.Open()
txtCari.KeyDown
        If e.KeyCode = Keys.Enter Then
                                                          cmdOpen.Connection =
            If cboCari.Text <> "" Then
                                         conn
                Dim cmdOpen As New
                                                          Select Case
SqlCommand
                                         cboCari.Text
                                                              Case "Kode" :
                If conn.State =
ConnectionState.Open Then conn.Close()
                                         jenis = "kode_catering"
                conn.Open()
                                                              Case "Nama Paket"
                cmdOpen.Connection =
                                         : jenis = "nama"
conn
                                                          End Select
                Select Case
cboCari.Text
                                                          dgv.Rows.Clear()
                    Case "No Jual" :
jenis = "no_jual"
                                                          query = "Select * From
                                         Catering Where " & jénis & " like '%"
                    Case "Kode
                                         & Trim(txtCari.Text) & "%'"
Customer" : jenis = "kode_customer"
                    Case "Tanggal" :
                                                          query = query & "
                                         Order By kode_catering"
jenis = "tanggal"
                                                          cmdOpen.CommandText =
                End Select
                                         query
                dgv.Rows.Clear()
                                         cmdOpen.ExecuteNonQuery()
                query = "Select * From
Jual Where " & jenis & " like '%" &
                                                          'Buat Data Adapter
Trim(txtCari.Text) & "%'"
                                                          Dim drOpen As
                query = query & "
                                         SqlDataReader = cmdOpen.ExecuteReader
Order no_jual"
                                                          Dim i As Integer
                                                          i = 1
                cmdOpen.CommandText =
query
                                                          'Buat Data Adapter
                                                          If drOpen.HasRows Then
cmdOpen.ExecuteNonQuery()
                                                              While
                'Buat Data Adapter
                                         drOpen.Read()
                Dim drOpen As
SqlDataReader = cmdOpen.ExecuteReader
                                         dgv.Rows.Add(i,
                                         drOpen("kode_paket").ToString,
                Dim i As Integer
                i = 1
                                         drOpen("nama"))
                                                                  i = i + 1
                'Buat Data Adapter
                                                              End While
                If drOpen.HasRows Then
                                                          End If
                    While
                                                          drOpen.Close()
drOpen.Read()
                                                          conn.Close()
                                                      Else
dgv.Rows.Add(i,
drOpen("no_jual").ToString,
                                                          Dim cmdOpen As New
drOpen("kode_customer"),
                                         SqlCommand
drOpen("tanggal"), drOpen("total"))
                                                          If conn.State =
                        i = i + 1
                                         ConnectionState.Open Then conn.Close()
                    End While
                                                          conn.Open()
                End If
                                                          cmdOpen.Connection =
                drOpen.Close()
                                         conn
                conn.Close()
            Else
                                                          dgv.Rows.Clear()
                Dim cmdOpen As New
SqlCommand
                                                          guery = "Select * From
                If conn.State =
                                         Catering "
ConnectionState.Open Then conn.Close()
                                                          query = query & "
                conn.Open()
                                         Order By kode_catering"
```

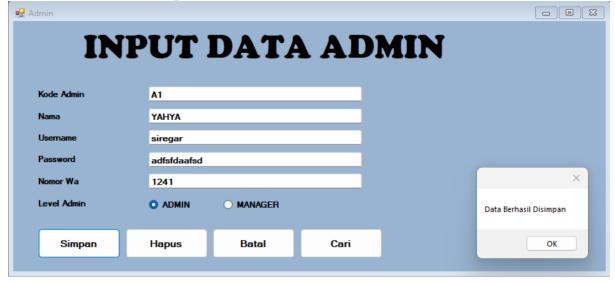
```
cmdOpen.Connection =
                                                           cmdOpen.CommandText =
conn
                                          query
                                          cmdOpen.ExecuteNonQuery()
                dgv.Rows.Clear()
                query = "Select * From
                                                           'Buat Data Adapter
Jual "
                                                           Dim drOpen As
                query = query & "
                                          SqlDataReader = cmdOpen.ExecuteReader
Order By no_jual"
                                                           Dim i As Integer
                cmdOpen.CommandText =
                                                           i = 1
query
                                                           'Buat Data Adapter
cmdOpen.ExecuteNonQuery()
                                                           If drOpen.HasRows Then
                                                               While
                                          drOpen.Read()
                 'Buat Data Adapter
                Dim drOpen As
SqlDataReader = cmdOpen.ExecuteReader
                                          dgv.Rows.Add(i,
                Dim i As Integer
                                          drOpen("kode_catering").ToString,
                                          drOpen("nama"))
                i = 1
                                                                   i = i + 1
                                                               End While
                 'Buat Data Adapter
                If drOpen.HasRows Then
                                                           End If
                     While
                                                           drOpen.Close()
drOpen.Read()
                                                           conn.Close()
                                                       End If
dqv.Rows.Add(i,
                                                  End If
drOpen("no_jual").ToString,
drOpen("kode_customer"),
                                              End Sub
drOpen("tanggal"), drOpen("total"))
                                              Private Sub
                                          dgv_CellDoubleClick(sender As Object,
                         i = i + 1
                     End While
                                          e As DataGridViewCellEventArgs)
                End If
                                          Handles dgv.CellDoubleClick
                drOpen.Close()
                                                  Tf
                conn.Close()
                                          dgv.CurrentRow.Cells(1).Value <> ""
            End If
                                          Then
        End If
                                                       Select Case vCatering
    End Sub
                                                           Case "Catering"
    Private Sub
                                          Catering.txtKode.Text =
dgv_CellDoubleClick(sender As Object,
                                          dgv.CurrentRow.Cells(1).Value
e As DataGridViewCellEventArgs)
                                                               Call
Handles dgv.CellDoubleClick
                                          Catering.txtKode_LostFocus(sender, e)
        If
                                                       End Select
dgv.CurrentRow.Cells(1).Value <> ""
                                                       Me.Close()
                                                  End If
Then
            Select Case vJualP
                                              End Sub
                Case "JualP"
                                              Private Sub
                                          FrmListCatering_Closed(sender As
Penjualan.txtKode.Text =
dgv.CurrentRow.Cells(1).Value
                                          Object, e As EventArgs) Handles
                                          Me.Closed
                     Call
Penjualan.txtKode_LostFocus(sender, e)
                                                  If conn.State =
                                          ConnectionState.Open Then conn.Close()
            End Select
            Me.Close()
                                                  conn = Nothing
        End If
                                              End Sub
    End Sub
                                              Private Sub dgv_KeyDown(sender As
    Private Sub dgv_KeyDown(sender As
                                          Object, e As KeyEventArgs) Handles
Object, e As KeyEventArgs) Handles
                                          dgv.KeyDown
dav.KeyDown
                                                  If e.KeyCode = Keys.Enter Then
        If e.KeyCode = Keys.Enter Then
                                          dgv.CurrentRow.Cells(1).Value <> ""
                                          Then
```

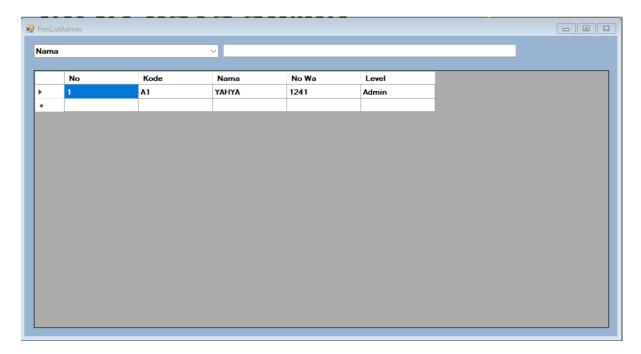
```
Ιf
                                                          Select Case vCatering
dgv.CurrentRow.Cells(1).Value <> ""
                                                              Case "Catering"
Then
                                         Catering.txtKode.Text =
                Select Case vBeliP
                    Case "jualP"
                                         dgv.CurrentRow.Cells(1).Value
                                         Catering.txtKode_LostFocus(sender, e)
Penjualan.txtKode.Text =
dgv.CurrentRow.Cells(1).Value
                                                          End Select
                                                          Me.Close()
                        Call
Penjualan.txtKode_LostFocus(sender, e)
                                                     End If
                                                 End If
                End Select
                Me.Close()
                                             End Sub
            End If
                                         End Class
        End If
    End Sub
    Private Sub
FrmListPenjualan_Closed(sender As
Object, e As EventArgs) Handles
Me.Closed
        If conn.State =
ConnectionState.Open Then conn.Close()
        conn = Nothing
    End Sub
End Class
```

Tabel 4. 7 Penjualan Dan Catering

#### **BAB 5 TESTING**

#### 5.1 Admin Simpan



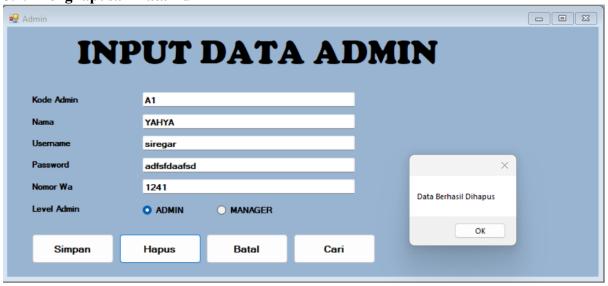


# Bukti Data Tersimpan Di Data Base:



Gambar 5. 1 Admin Simpan

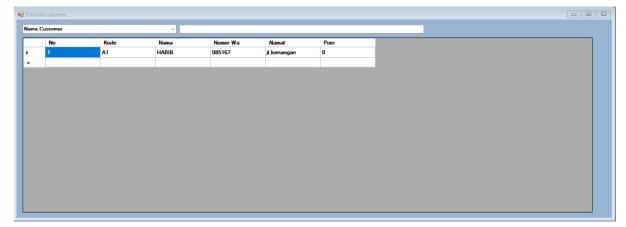
### 5.1.2 Penghapusan Data Admin



Gambar 5. 2 Penghapusan Data Admin

### 5.2.1 Customer Simpan





# Bukti Data Tersimpan Di Data Base :



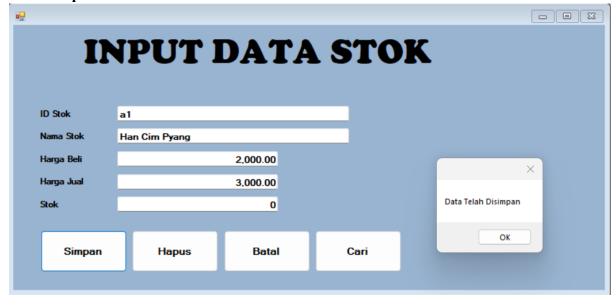
Gambar 5. 3 Customer Simpan

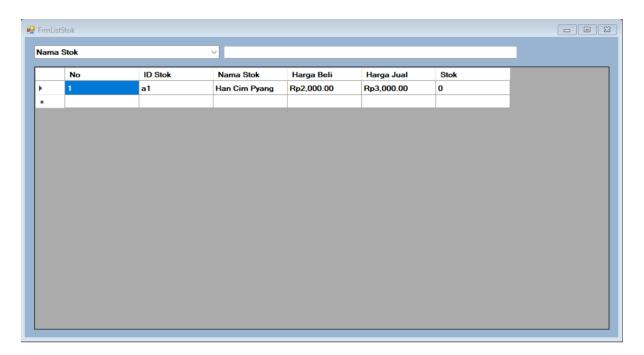
### 5.2.2 Penhapusan Data Customer



Gambar 5. 4 Penghapusan Data Customer

#### 5.3.1 Simpan data Stok



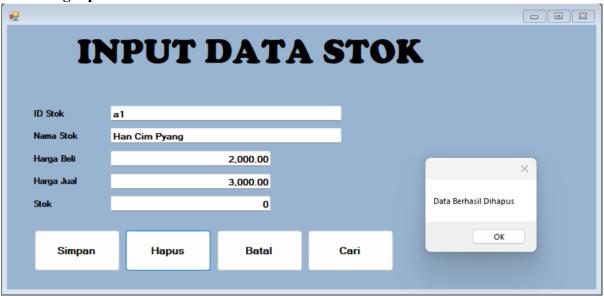


# Bukti Data Tersimpan Di Data Base :

	kode_stok	nama	harga_beli	harga_jual	stok
1	a1	Han Cim Pyang	2000.00	3000.00	0.00

Gambar 5. 5 Simpan Data Stok

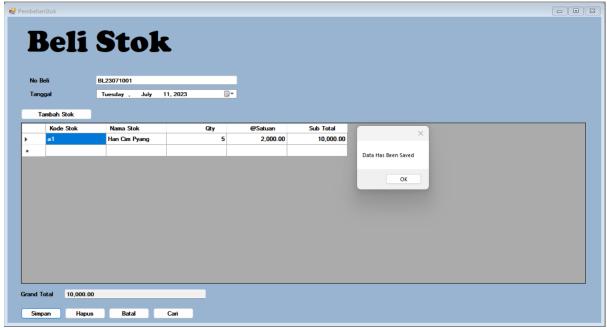
### 5.3.2 Penghapusan data Stok

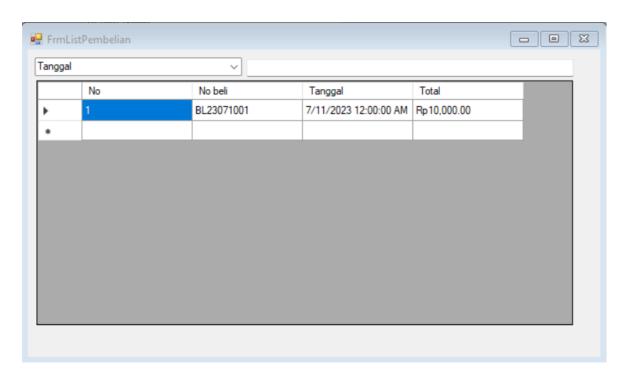


Gambar 5. 6 Penghapusan Data Stok

## **5.4.1 Simpan PembelianStok**





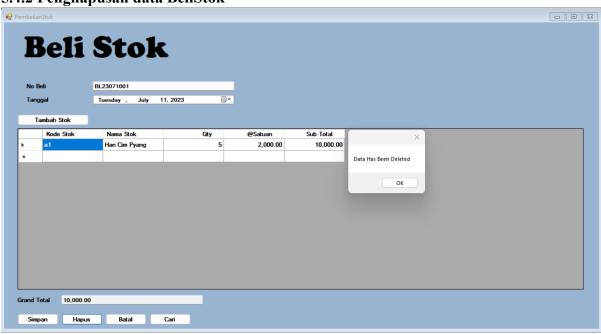


Bukti Data Tersimpan Di Data Base:

	no_beli	tanggal	total
1	BL23071004	2023-07-11	10000.00

Gambar 5. 7 Simpan Pembelian Stok

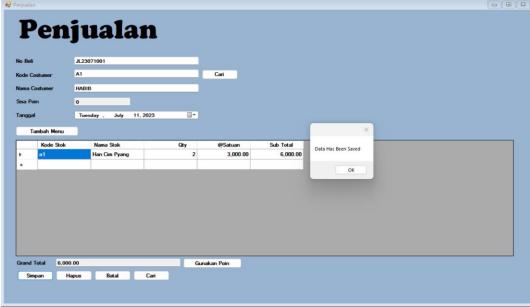
5.4.2 Penghapusan data BeliStok

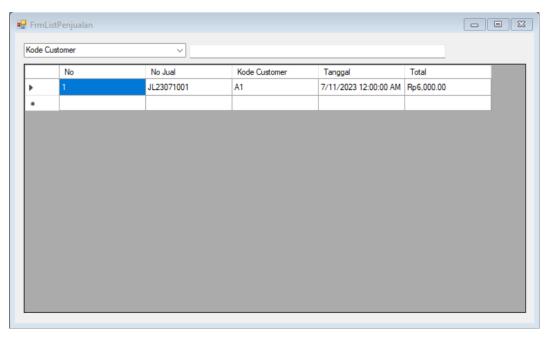


Gambar 5. 8 Penghapusan Data BeliStok

### 5.5.1 Penyimpanan data Penjualan





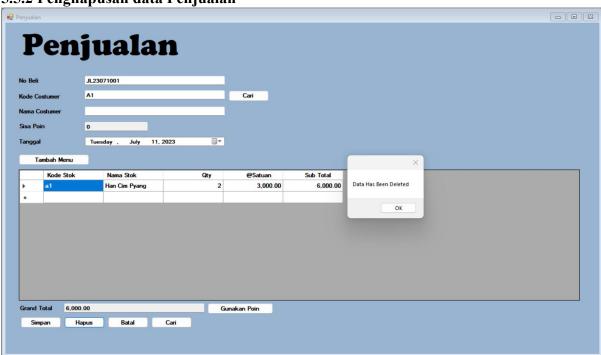


# Bukti Data Tersimpan Di Data Base:

	no_jual	kode_customer	tanggal	total
1	JL23071001	A1	2023-07-11	6000.00

Gambar 5. 9 Penyimpanan Data Penjualan

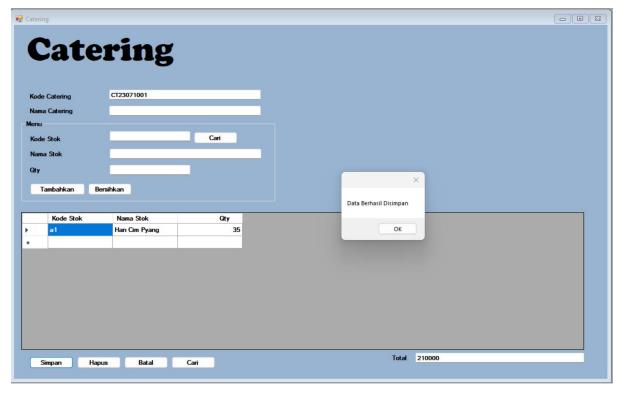
5.5.2 Penghapusan data Penjualan

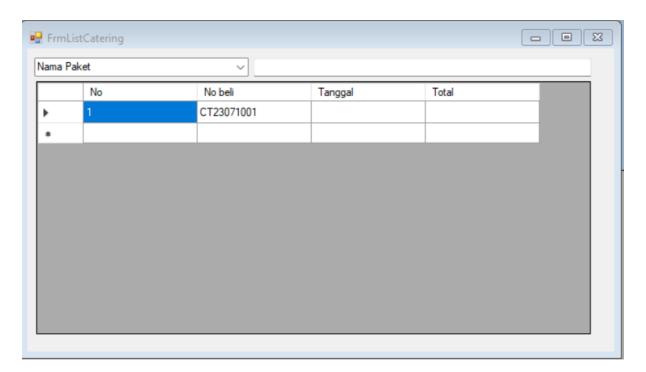


Gambar 5. 10 Penghapusan Data Penjualan

## 5.6.1 Penyimpanan data Catering







# Bukti Data Tersimpan Di Data Base :



Gambar 5. 11 Penyimpanan Data Catering

#### 5.6.2 Penghapusan data Catering



Gambar 5. 12 Penghapusan Data Catering

# **Bab 6 Operation System**

# Cara Penggunaan:

- 1. Buka Visual Studio 2023
- 2. Buka file yang sudah dibuat
- 3. Jalankan Aplikasi
- 4. Input Stok data
- 5. Input Customer data
- 6. Input Admin data
- 7. Proses Semua Pembelian Stok, Penjualan Stok, dan Catering di Transfer
- 8. Untuk Check Admin bisa di liat di Laporan

## Requeirement:

#### Minimum system requirements

- OS: Microsoft Windows 7
- Processor: 1 GHz Pentium III or AMD Athlon Processor
- Memory: 256 MB of RAM
- Graphics: 64 MB Video Card (Geforce 3 or better)
- Hard Drive: 200 Mb of free hard disk space

#### **BAB 7 MAINTENANCE**

Untuk perawatan mungkin akan dilakukan setahun sekali, dimana nomor bon hanya dapat diupdate sampai 9999 angka, jika melewati itu program akan menimpah data lama atau mungkin database akan error, dimana hal tersebut bahaya bagi data lama.. Oleh karena itu programmer akan datang menambah jumlah data yang akan disimpan pada data tersebut.

Untuk aplikasi kami yang pertama ini, mungkin masih memliki kekurangan dimana hal ini mungkin akan kami update kedepannya, yakni :

- 1. Data masih bisa minus, dimana hal tersebut tidak boleh terjadi.
- 2. Interaksi yang masih kurang, dimana aplikasi kami masih kebanyakan menggunakan teks, yang dimana seharusnya menggunakan gambar yang jauh lebih bersahabat dengan manusia, dan gampang digunakan.