

APLIKASI SERVICE KENDARAAN - VB.NET

Link project : https://uusrusmawan.com/_aplikasi-program-service-kendaraan-untuk-tugas-akhir-skripsi.php

Tahapan pembuatan aplikasi service kendaraan adalah sebagai berikut :

1. MEMBUAT PROJECT

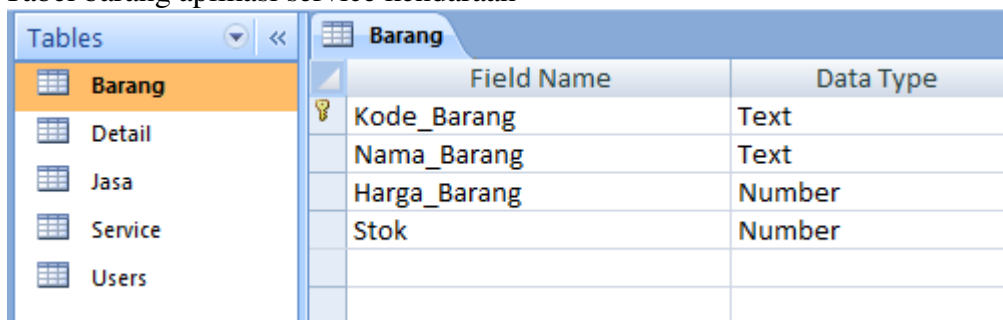
- a. RUN visual studio sesuai dengan versi yang anda miliki
- b. Create project
- c. Ketik nama project
- d. Klik OK
- e. Simpan project di folder tertentu

2. MEMBUAT DATABASE

- a. Buka microsoft office sesuai versi yang anda miliki
- b. Pilih microsoft access
- c. Blank database
- d. Browse
- e. Pilih folder debug aplikasi
- f. Ketik nama database
- g. Klik OK

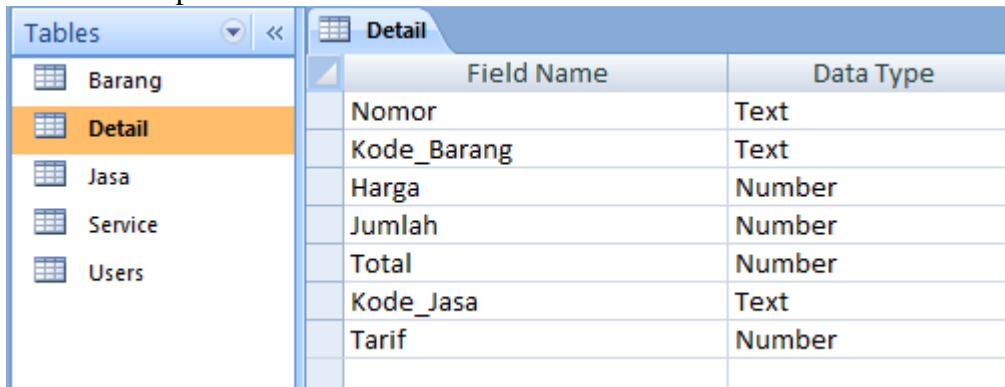
3. MEMBUAT BEBERAPA TABEL

Tabel barang aplikasi service kendaraan



Field Name	Data Type
Kode_Barang	Text
Nama_Barang	Text
Harga_Barang	Number
Stok	Number

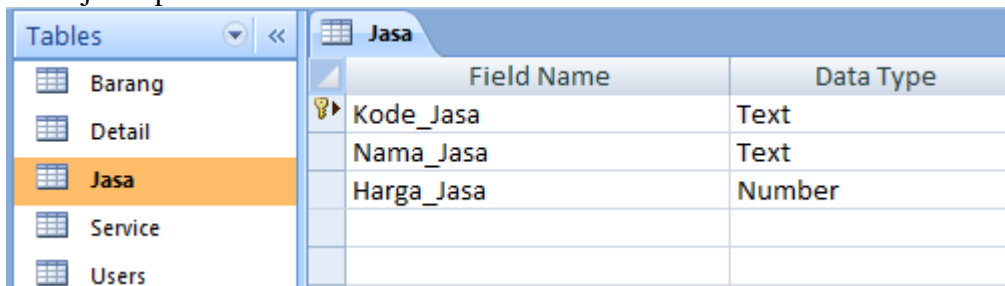
Tabel detail aplikasi service kendaraan



The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Tables' folder is expanded, and the 'Detail' table is selected. The main pane displays the table's structure with the following fields:

Field Name	Data Type
Nomor	Text
Kode_Barang	Text
Harga	Number
Jumlah	Number
Total	Number
Kode_Jasa	Text
Tarif	Number

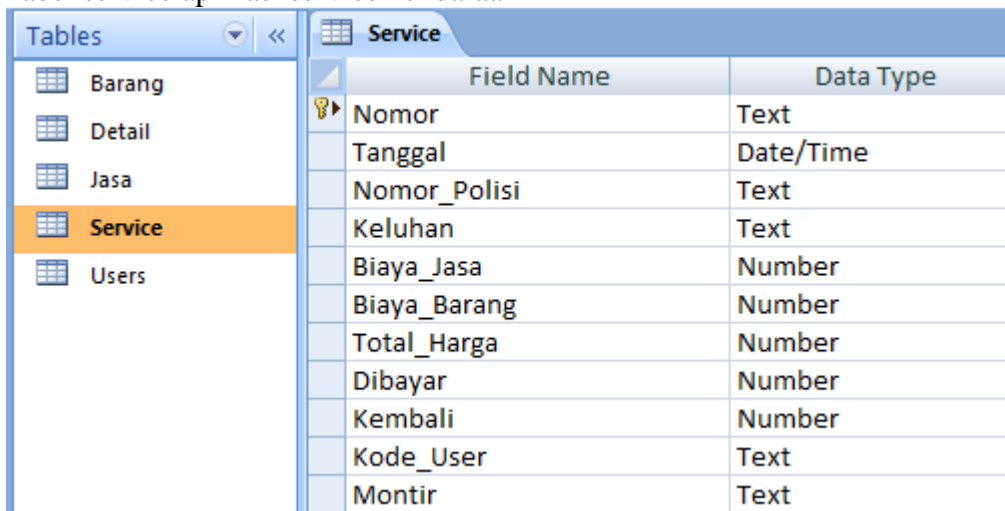
Tabel jasa aplikasi service kendaraan



The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Tables' folder is expanded, and the 'Jasa' table is selected. The main pane displays the table's structure with the following fields:

Field Name	Data Type
Kode_Jasa	Text
Nama_Jasa	Text
Harga_Jasa	Number

Tabel service aplikasi service kendaraan



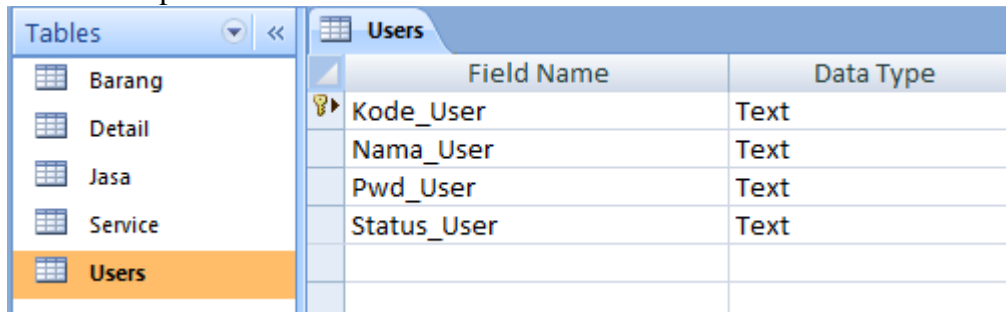
The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Tables' folder is expanded, and the 'Service' table is selected. The main pane displays the table's structure with the following fields:

Field Name	Data Type
Nomor	Text
Tanggal	Date/Time
Nomor_Polisi	Text
Keluhan	Text
Biaya_Jasa	Number
Biaya_Barang	Number
Total_Harga	Number
Dibayar	Number
Kembali	Number
Kode_User	Text
Montir	Text

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

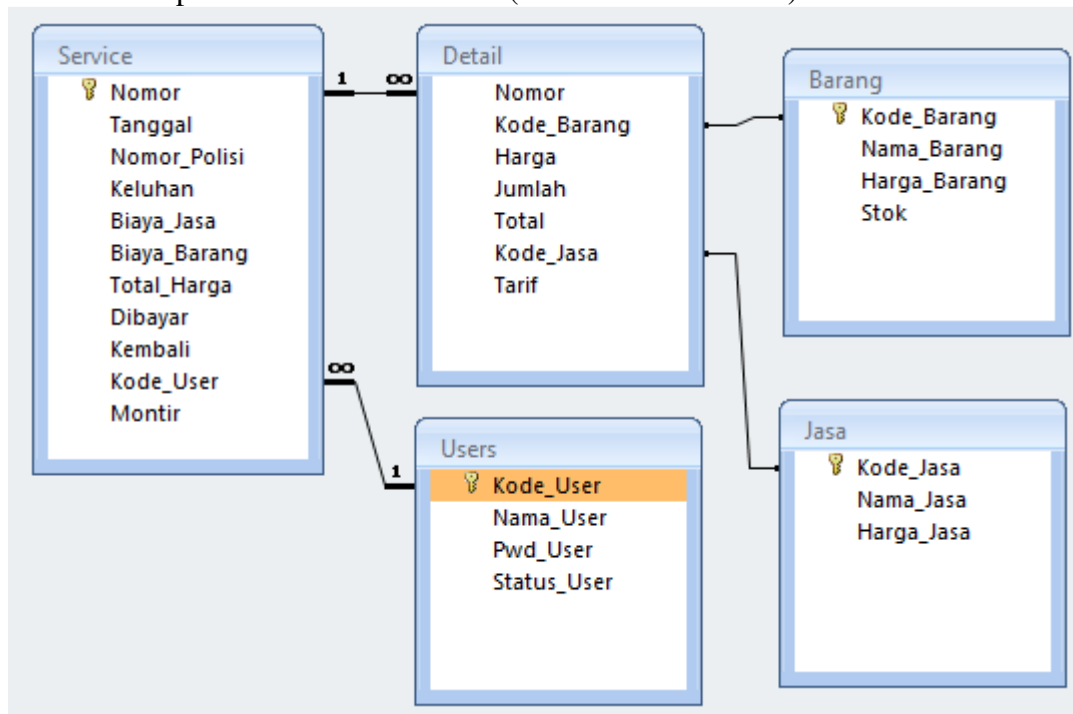
Tabel user aplikasi service kendaraan



The screenshot shows the Microsoft Access interface. On the left, a 'Tables' pane lists 'Barang', 'Detail', 'Jasa', 'Service', and 'Users'. The 'Users' table is selected and its structure is shown in a table with two columns: 'Field Name' and 'Data Type'. The fields are 'Kode_User' (Text), 'Nama_User' (Text), 'Pwd_User' (Text), and 'Status_User' (Text). The 'Kode_User' field has a primary key icon.

Field Name	Data Type
Kode_User	Text
Nama_User	Text
Pwd_User	Text
Status_User	Text

Relasi tabel aplikasi service kendaraan (visual dari ms access)



Tabel Users - aplikasi service kendaraan

Name	Type	Size	Keterangan
Kode_User	Text	5	Primary key
Nama_User	Text	30	
Pwd_User	Text	20	
Status_User	Text	10	

Tabel Barang - aplikasi service kendaraan

Name	Type	Size	Keterangan
Kode_Barang	Text	5	Primary key
Nama_Barang	Text	30	
Harga_Barang	Long Integer	4	
Stok	Integer	2	

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

Tabel Jasa - aplikasi service kendaraan

Name	Type	Size	Keterangan
Kode_Jasa	Text	5	Primary key
Nama_Jasa	Text	30	
Harga_Jasa	Long Integer	4	

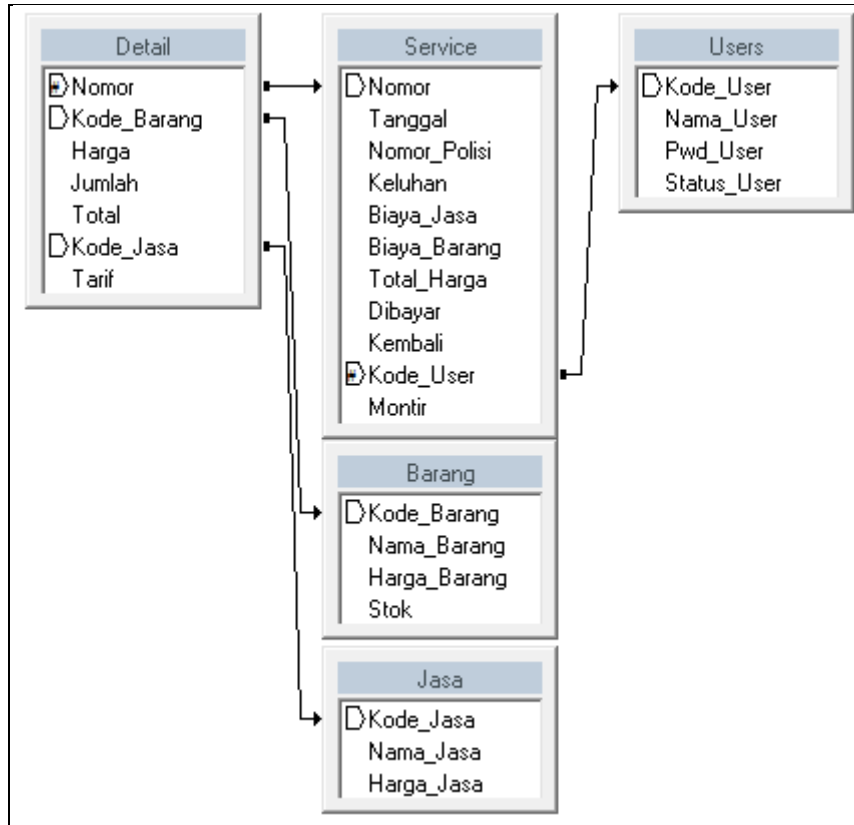
Tabel Service - aplikasi service kendaraan

Name	Type	Size	Keterangan
Nomor	Text	5	Primary key
Tanggal	Date/Time	8	
Nomor_Polisi	Text	10	
Keluhan	Text	100	
Biaya_Jasa	Long Integer	4	
Biaya_Barang	Long Integer	4	
Total_Harga	Long Integer	4	
Dibayar	Long Integer	4	
Kembali	Long Integer	4	
Kode_User	Text	5	Foreign key
Montir	Text	30	

Tabel Detail - aplikasi service kendaraan

Name	Type	Size	Keterangan
Nomor	Text	5	Foreign key
Kode_Barang	Text	5	Foreign key
Harga	Long Integer	4	
Jumlah	Long Integer	4	
Total	Long Integer	4	
Kode_Jasa	Text	5	Foreign key
Tarif	Long Integer	4	

Relasi tel aplikasi service kendaraan (visual dari crystal report)



uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

unnormal aplikasi service kendaraan

Kode_User
Nama_User
Pwd_User
Status_User
Kode_Barang
Nama_Barang
Harga_Barang
Stok
Kode_Jasa
Nama_Jasa
Harga_Jasa
Nomor
Tanggal
Nomor_Polisi
Keluhan
Biaya_Jasa
Biaya_Barang
Total_Harga
Dibayar
Kembali
Kode_User
Montir
Nomor
Kode_Barang
Harga
Jumlah
Total
Kode_Jasa
Tarif

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

normal 1 aplikasi service kendaraan

Kode_User *
Nama_User
Pwd_User
Status_User
Kode_Barang *
Nama_Barang
Harga_Barang
Stok
Kode_Jasa *
Nama_Jasa
Harga_Jasa
Nomor *
Tanggal
Nomor_Polisi
Keluhan
Biaya_Jasa
Biaya_Barang
Total_Harga
Dibayar
Kembali
Montir
Nomor
Harga
Jumlah
Total
Tarif

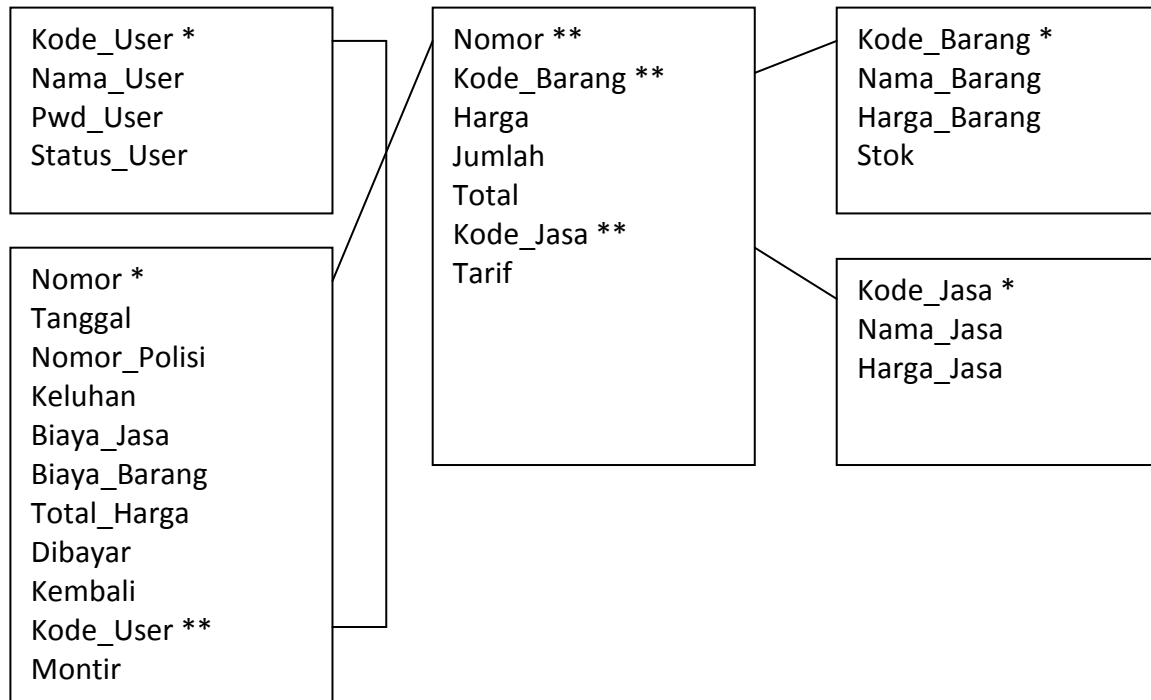
keterangan : * kunci kandidat (calon kunci primer)

normal 2 aplikasi service kendaraan

Kode_User *	Nomor *
Nama_User	Tanggal
Pwd_User	Nomor_Polisi
Status_User	Keluhan
	Biaya_Jasa
	Biaya_Barang
	Total_Harga
	Dibayar
	Kembali
	Kode_User **
	Montir
	Kode_Barang **
	Harga
	Jumlah
	Total
	Kode_Jasa **
	Tarif

keterangan : * = kunci primer
** = kunci tamu

normal 3 - aplikasi service kendaraan



keterangan : * = kunci primer
** = kunci tamu

4. MEMBUAT MODULE KONEKSI

- Klik menu project
- Add module
- Ketik nama module
- Add
- Ketik coding berikut ini

```
Imports System.Data.OleDb
Imports CrystalDecisions.CrystalReports.Engine
Imports CrystalDecisions.Shared
```

```
Module Module1
```

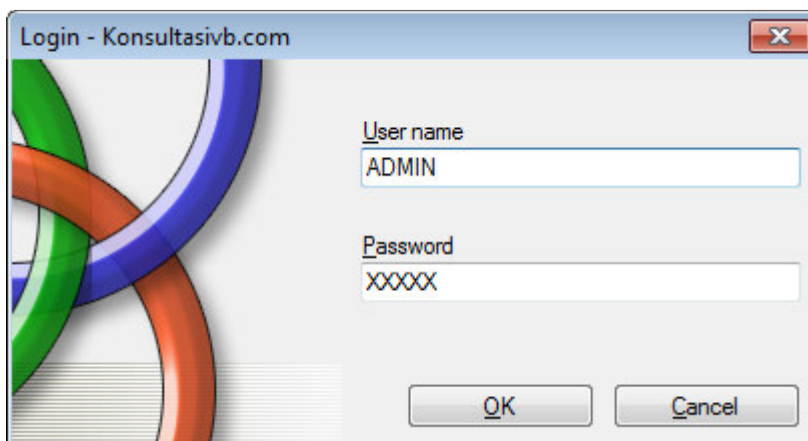
```
Public CONN As OleDbConnection
Public DA As OleDbDataAdapter
Public DS As DataSet
Public CMD As OleDbCommand
Public DR As OleDbDataReader
```

```
Public laporan AsNew ReportDocument
Public TabelLogon As CrystalDecisions.Shared.TableLogOnInfo

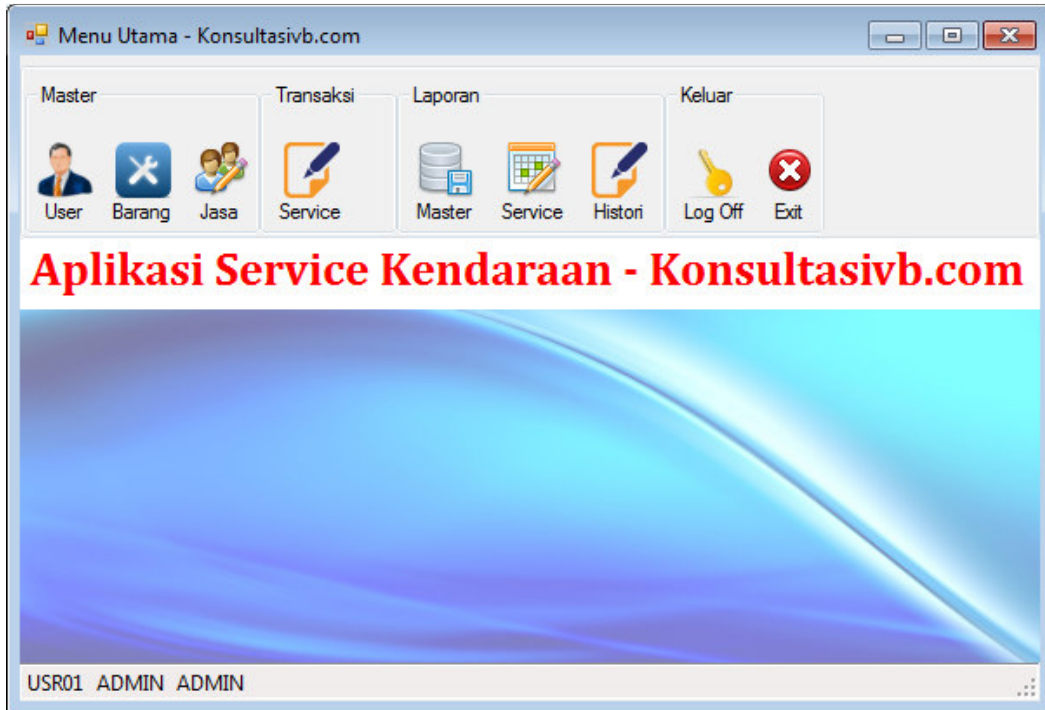
PublicSub SetingLaporan()
Dim BacaTabel As CrystalDecisions.CrystalReports.Engine.Table
ForEach BacaTabel In laporan.Database.Tables
    TabelLogon = BacaTabel.LogOnInfo
With TabelLogon.ConnectionInfo
    .ServerName = Application.StartupPath
    &"\database.mdb"
    .UserID = ""
    .Password = ""
    .DatabaseName = ""
EndWith
    BacaTabel.ApplyLogOnInfo(TabelLogon)
Next BacaTabel
EndSub

PublicSub Koneksi()
    CONN = New
OleDbConnection("provider=microsoft.jet.oledb.4.0;data
source=database.mdb")
    CONN.Open()
EndSub
EndModule
```

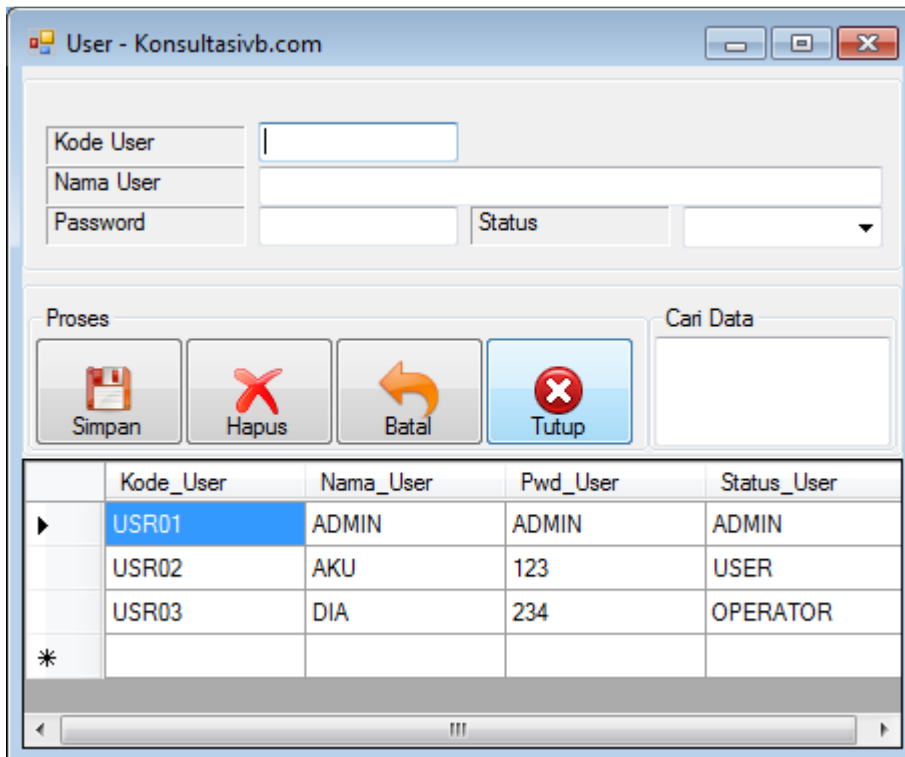
5. Membuat Form Login - Aplikasi Service Kendaraan



6. Membuat Form Menu Utama - Aplikasi Service Kendaraan



7. Membuat Form User - Aplikasi Service Kendaraan



8. MEMBUAT FORM BARANG - Aplikasi Service Kendaraan

Kode_Barang	Nama_Barang	Harga_Barang	Stok
BR001	OLI	35000	18
BR002	BAN LUAR DEP...	50000	15
BR003	BAN DALAM BE...	35000	17
BR004	SPION KANAN	25000	18
BR005	KABEL ARGO	15000	17
BR006	LAMPU DEPAN ...	50000	20
BR007	RANTAI	65000	20

9. MEMBUAT FORM JASA - Aplikasi Service Kendaraan

Kode_Jasa	Nama_Jasa	Harga_Jasa
JS001	SERVICE STAN...	75000
JS002	SERVICE PAKE...	85000
JS003	SERVICE PAKE B	100000
JS004	SERVICE PAKE...	120000
JS005	SERVICE PAKE D	140000
*		

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

10. MEMBUAT FORM TRANSAKSI SERVICE - Aplikasi Service Kendaraan

Nomor	00010	Nomor Polisi	B 1111 BGH
Tanggal	16/05/2017	Keluhan	-

Kode	Jasa	Harga
JS001	SERVICE STANDAR	75.000

Kode_Jasa	Nama_Jasa	Harga_Jasa
JS001	SERVICE STANDAR	75000
JS002	SERVICE PAKET A	85000
JS003	SERVICE PAKE B	100000
JS004	SERVICE PAKET C	120000
JS005	SERVICE PAKE D	140000

Kode	Nama Barang	Harga	Jumlah	Total
BR002	BAN LUAR DEPAN	50.000	1	50.000
BR003	BAN DALAM BELAKANG	35.000	1	35.000
BR004	SPION KANAN	25.000	1	25.000
BR005	KABEL ARGO	15.000	1	15.000

Kode_Barang	Nama_Barang	Harga_Barang
BR001	OLI	35000
BR002	BAN LUAR DEPAN	50000
BR003	BAN DALAM BELAKANG	35000
BR004	SPION KANAN	25000
BR005	KABEL ARGO	15000
BR006	LAMPU DEPAN JAUH	50000

Biaya Service	75.000
Biaya Barang	125.000
Total Harga	200.000
Dibayar	200.000
Kembali	0

Montir: JUNED

BUKTI PEMBAYARAN SERVICE KENDARAAN					
Nomor	00010	Nomor Polisi	B 1111 BGH		
Tanggal	16/Mei/2017	Keluhan	-		
Nama Jasa		Harga Jasa			
SERVICE STANDAR		Rp	75.000		
BAN LUAR DEPAN		Rp	50.000	1	Rp 50.000
BAN DALAM BELAKANG		Rp	35.000	1	Rp 35.000
SPION KANAN		Rp	25.000	1	Rp 25.000
KABEL ARGO		Rp	15.000	1	Rp 15.000
Biaya Jasa	Rp	75.000	Dibayar	Rp	200.000
Biaya Barang	Rp	125.000	Kembali	Rp	0
Total Harga	Rp	200.000	Montir	JUNED	

```
Imports System.Data.OleDb
```

```
PublicClass Transaksi
```

```
Sub Bersihkan()
```

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

```
TNopol.Clear()
TKeluhan.Text = "-"
TTLBiayaBarang.Text = 0
TTLBiayaService.Text = 0
TTotalharga.Text = 0
TDibayar.Text = 0
TKembali.Text = 0
TCariBarang.Clear()
TCariJasa.Clear()
DGVJasa.Rows.Clear()
DGVBarang.Rows.Clear()

EndSub

Sub Otomatis()
    CMD = New OleDbCommand("select nomor from service
order by nomor desc", CONN)
    DR = CMD.ExecuteReader
    DR.Read()
    IfNot DR.HasRows Then
        TNomor.Text = "00001"
    Else
        TNomor.Text =
Format(Microsoft.VisualBasic.Right(DR.Item("nomor"), 5) + 1,
"00000")
    EndIf
EndSub

Sub tampilJasa()
    DA = New OleDbDataAdapter("select * from jasa", CONN)
    DS = New DataSet
    DA.Fill(DS)
    DGV1.DataSource = DS.Tables(0)
    DGV1.ReadOnly = True
EndSub

Sub tampilBarang()
    DA = New OleDbDataAdapter("select * from barang where
stok>0", CONN)
    DS = New DataSet
    DA.Fill(DS)
    DGV2.DataSource = DS.Tables(0)
    DGV2.ReadOnly = True
EndSub

PrivateSub Transaksi_Load(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles MyBase.Load
    Call KONEKSI()
```

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

```
Call Otomatis()  
    TTanggal.Text = Today  
Call tampilBarang()  
Call tampilJasa()  
Call Bersihkan()  
EndSub  
  
PrivateSub Button2_Click(ByVal sender As System.Object, ByVal  
e As System.EventArgs) Handles Button2.Click  
Call Bersihkan()  
EndSub  
  
Sub TotalBiayaJasa()  
Dim hitung AsInteger = 0  
For baris AsInteger = 0 To DGVJasa.RowCount - 1  
    hitung = hitung +  
DGVJasa.Rows(baris).Cells(2).Value  
    TTLBiayaService.Text = FormatNumber(hitung, 0)  
Next  
EndSub  
  
Sub TotalBiayaBarang()  
Dim hitung AsInteger = 0  
For baris AsInteger = 0 To DGVBarang.RowCount - 1  
    hitung = hitung +  
DGVBarang.Rows(baris).Cells(4).Value  
    TTLBiayaBarang.Text = FormatNumber(hitung, 0)  
Next  
EndSub  
  
Sub HitungTotal()  
    TTotalharga.Text =  
Val(Microsoft.VisualBasic.Str(TTLBiayaService.Text)) +  
Val(Microsoft.VisualBasic.Str(TTLBiayaBarang.Text))  
    TTotalharga.Text = FormatNumber(TTotalharga.Text, 0)  
EndSub  
  
PrivateSub Button3_Click(ByVal sender As System.Object, ByVal  
e As System.EventArgs) Handles Button3.Click  
Me.Close()  
EndSub  
  
PrivateSub TCariJasa_TextChanged(ByVal sender As  
System.Object, ByVal e As System.EventArgs) Handles  
TCariJasa.TextChanged
```

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

```
        DA = New OleDbDataAdapter("select * from jasa where
nama_jasa like '%" & TCariJasa.Text & "%'", CONN)
        DS = New DataSet
        DA.Fill(DS)
        DGV1.DataSource = DS.Tables(0)
        DGV1.ReadOnly = True
EndSub

PrivateSub TCariBarang_TextChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
TCariBarang.TextChanged
        DA = New OleDbDataAdapter("select * from barang where
nama_barang like '%" & TCariBarang.Text & "%'", CONN)
        DS = New DataSet
        DA.Fill(DS)
        DGV2.DataSource = DS.Tables(0)
        DGV2.ReadOnly = True

EndSub

PrivateSub TDibayar_KeyPress(ByVal sender AsObject, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles
TDibayar.KeyPress
If e.KeyChar = Chr(13) Then
        TDibayar.Text = FormatNumber(TDibayar.Text, 0)
If Val(Microsoft.VisualBasic.Str(TDibayar.Text)) <
Val(Microsoft.VisualBasic.Str(TTotalharga.Text)) Then
        MsgBox("Pembayaran kurang")

ExitSub
ElseIf Val(Microsoft.VisualBasic.Str(TDibayar.Text)) >=
Val(Microsoft.VisualBasic.Str(TTotalharga.Text)) Then
        TKembali.Text =
Val(Microsoft.VisualBasic.Str(TDibayar.Text)) -
Val(Microsoft.VisualBasic.Str(TTotalharga.Text))
        TKembali.Text = FormatNumber(TKembali.Text, 0)
'Button1.Enabled = True
EndIf
        Button1.Focus()

EndIf

IfNot (e.KeyChar >= "0" And e.KeyChar <= "9" Or e.KeyChar =
vbBack) Then
        e.Handled = True

EndIf
EndSub
```


uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

```
PrivateSub TNopol_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles TNopol.KeyPress
    If e.KeyChar = Chr(13) Then
        TNopol.Text = UCase(TNopol.Text)
        TKeluhan.Focus()
    EndIf
EndSub
```

```
PrivateSub DGVJasa_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles DGVJasa.KeyPress
    OnErrorResumeNext
    If e.KeyChar = Chr(27) Then

        DGVJasa.Rows.RemoveAt(DGVJasa.CurrentCell.RowIndex)
        Call TotalBiayaJasa()
        Call HitungTotal()
    EndIf
EndSub
```

```
PrivateSub DGVBarang_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles DGVBarang.KeyPress
    OnErrorResumeNext
    If e.KeyChar = Chr(27) Then

        DGVBarang.Rows.RemoveAt(DGVBarang.CurrentCell.RowIndex)
        Call TotalBiayaBarang()
        Call HitungTotal()
    EndIf
EndSub
```

```
PrivateSub DGV1_CellMouseClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles DGV1.CellMouseClick
    OnErrorResumeNext
    Dim baris As Integer = DGVJasa.RowCount - 1
        DGVJasa.Rows.Add(DGV1.Rows(e.RowIndex).Cells(0).Value)

    For i As Integer = 0 To DGVJasa.RowCount - 1
        For j As Integer = i + 1 To DGVJasa.RowCount - 1
            If DGVJasa.Rows(j).Cells(0).Value = DGVJasa.Rows(i).Cells(0).Value Then
                MsgBox("data sudah dientri")
                DGVJasa.Rows.RemoveAt(j)
            EndIf
        Next
    Next
ExitSub
```

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

```
EndIf
Next
Next

        CMD = New OleDbCommand("select * from jasa where
kode_jasa='"& DGVJasa.Rows(baris).Cells(0).Value &"'", CONN)
        DR = CMD.ExecuteReader
        DR.Read()
If DR.HasRows Then
        DGVJasa.Rows(baris).Cells(1).Value =
DR.Item("nama_jasa")
        DGVJasa.Rows(baris).Cells(2).Value =
DR.Item("harga_jasa")
        DGVJasa.Columns(2).DefaultCellStyle.Format =
"###,###,###"
        DGVJasa.Columns(2).DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleRight
EndIf
Call TotalBiayaJasa()
Call HitungTotal()
        TCariJasa.Clear()

EndSub

PrivateSub DGV2_CellMouseClick(ByVal sender As Object, ByVal e
As System.Windows.Forms.DataGridViewCellEventArgs)
Handles DGV2.CellMouseClick
Dim baris As Integer = DGVBarang.RowCount - 1

DGVBarang.Rows.Add(DGV2.Rows(e.RowIndex).Cells(0).Value)

For i As Integer = 0 To DGVBarang.RowCount - 1
For j As Integer = i + 1 To DGVBarang.RowCount - 1
If DGVBarang.Rows(j).Cells(0).Value =
DGVBarang.Rows(i).Cells(0).Value Then
        MsgBox("data sudah dientri")
        DGVBarang.Rows.RemoveAt(j)
ExitSub
EndIf
Next
Next

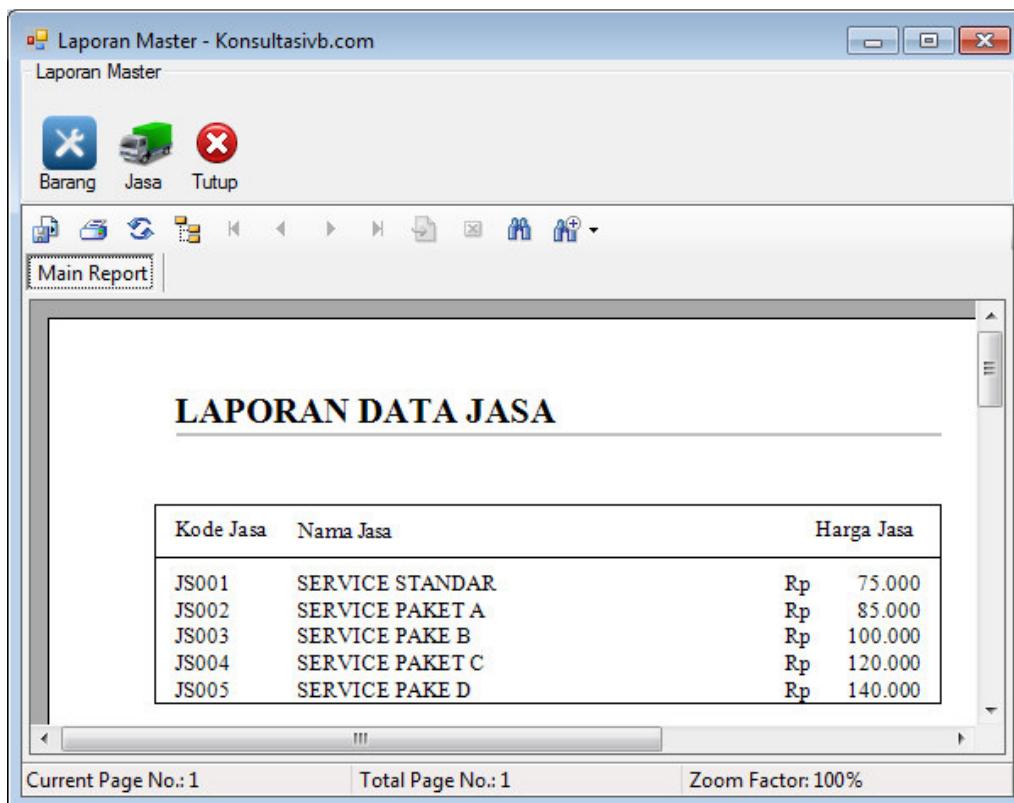
        CMD = New OleDbCommand("select * from Barang where
kode_Barang='"& DGVBarang.Rows(baris).Cells(0).Value &"'",
CONN)
        DR = CMD.ExecuteReader
        DR.Read()
```

```
If DR.HasRows Then
    DGVBarang.Rows (baris).Cells (1).Value =
DR.Item ("nama_Barang")
    DGVBarang.Rows (baris).Cells (2).Value =
DR.Item ("harga_Barang")
    DGVBarang.Columns (2).DefaultCellStyle.Format =
"###,###,###"
    DGVBarang.Columns (2).DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleRight
    DGVBarang.Rows (baris).Cells (3).Value = 1
    DGVBarang.Columns (3).DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleCenter
    DGVBarang.Rows (baris).Cells (4).Value =
DGVBarang.Rows (baris).Cells (2).Value *
DGVBarang.Rows (baris).Cells (3).Value
    DGVBarang.Columns (4).DefaultCellStyle.Format =
"###,###,###"
    DGVBarang.Columns (4).DefaultCellStyle.Alignment =
DataGridViewContentAlignment.MiddleRight
EndIf
Call TotalBiayaBarang ()
Call HitungTotal ()
    TCariBarang.Clear ()
EndSub
EndClass
```

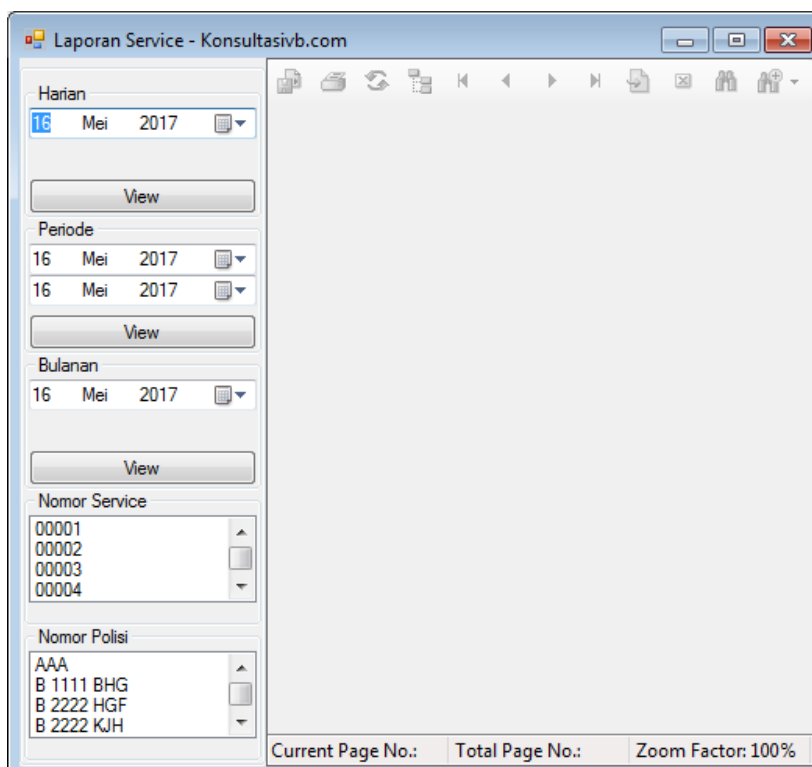
11. MEMBUAT LAPORAN MASTER



Kode Barang	Nama Barang	Harga Barang	Stok
BR001	OLI	Rp 35.000	18
BR002	BAN LUAR DEPAN	Rp 50.000	14
BR003	BAN DALAM BELAKANG	Rp 35.000	17
BR004	SPION KANAN	Rp 25.000	17
BR005	KABEL ARGO	Rp 15.000	16
BR006	LAMPU DEPAN JAUH	Rp 50.000	20
BR007	RANTAI	Rp 65.000	20
BR008	TUAS REM KAKI	Rp 35.000	18
BR009	REM TANGAN	Rp 45.000	20
BR010	ACCU BASAH	Rp 125.000	20



12. MEMBUAT LAPORAN SERVICE



uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir – Skripsi

LAPORAN DATA SERVICE								
BULAN TAHUN	MEI 2017	DARI TANGGAL SAMPAI TANGGAL	16/Mei/2017 16/Mei/2017					
Nomor	Tanggal	Nomor Polisi	Biaya Jasa		Biaya Barang		Total Harga	
00004	16/Mei/2017	AAA	Rp	75.000	Rp	120.000	Rp	195.000
00005	16/Mei/2017	B 3741 KBV	Rp	75.000	Rp	90.000	Rp	165.000
TOTAL							Rp	360.000

LAPORAN DATA SERVICE PERIODIK

LAPORAN DATA SERVICE								
Nomor Polisi		B 1111 BGH						
Nomor	Tanggal	Biaya Jasa		Biaya Barang		Total Harga		
00009	16/Mei/2017	Rp	100.000	Rp	60.000	Rp	160.000	
00008	16/Mei/2017	Rp	220.000	Rp	125.000	Rp	345.000	
TOTAL							Rp	505.000

LAPORAN DATA SERVICE PER NOMOR POLISI

13. MEMBUAT HISTORI SERVICE

uusrusmawan.com

Media Belajar VB.Net Online & Bimbingan Tugas Akhir - Skripsi

Histori Service - Konsultasivb.com

Nomor: 00001 Nomor Polisi: B 1111 BHG
Tanggal: 22/03/2017 Keluhan: TEST

	Nama Jasa	Harga
▶	SERVICE PAKE B	100000
*		

Biaya Service: 100000

	Nama Barang	Harga Barang	Jumlah	Total
▶	BAN LUAR DEPAN	50000	1	50000
	SPION KANAN	25000	1	25000
*				

Cetak Batal Tutup

Biaya Barang	75000
Total Harga	175000
Dibayar	200000
Kembali	25000