

Tugas Pemrograman Visual 1



DISUSUN OLEH :

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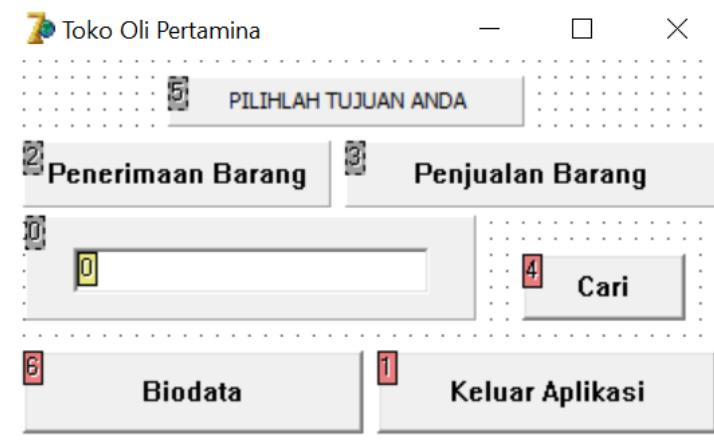


FAKULTAS TEKNOLOGI INFORMASI
UNIVERSITAS ISLAM KALIMANTAN
MUHAMMAD ARSYAD AL-BANJARI
KOTA BANJARMASIN

2021

PROGRAM TOKO OLI PERTAMINA

Form Pertama



Codingnya Perhatikan urutan nomor!

The screenshot shows the Delphi IDE interface with the following details:

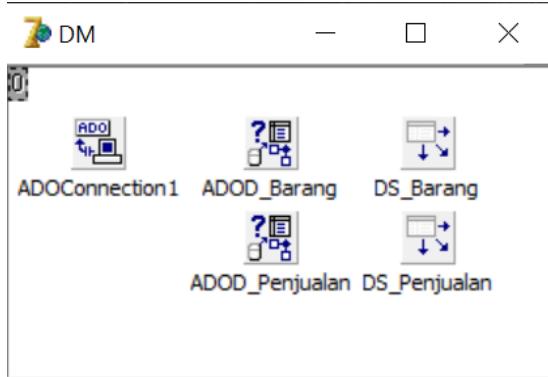
- Title Bar:** Unit1 | Units | Unit1
- Toolbar:** Includes icons for file operations, project management, and code navigation.
- Status Bar:** Shows the current form name: TForm1.pnl2Click.
- Code Editor:** Displays the Delphi code for the application. The code includes procedures for button clicks and panel click events, handling user input and displaying messages.
- Code Block (Bottom Right):** A separate code block on the right side of the editor window contains additional procedures for Button2Click and Button3Click, which appear to be part of the same application's logic.

```
Unit1 | Units | Unit1
TForm1.pnl2Click

30
31 var
32   Form1: TForm1;
33
34 implementation
35
36 uses Unit2, Unit5, Unit8;
37
38 {$R *.dfm}
39
40 procedure TForm1.Button1Click(Sender: TObject);
41 begin
42   if (Application.MessageBox('Anda Yakin akan keluar Aplikasi?','Peringatan',MB_YESNO)=idyes) then
43     Close;
44   end;
45
46 procedure TForm1.pnl12Click(Sender: TObject);
47 begin
48   Edit1.Clear;
49   pn13.Color:=clBtnFace;
50   pn14.Color:=clBtnFace;
51
52   begin
53     Edit1.Text:=Edit1.text+'Penerimaan Barang';
54     pn12.Color := clYellow;
55     pn14.Color:=clNavy;
56     label1.Font.Color:=clWhite;
57     pn13.Font.Color:=clBlack;
58     pn11.Color :=clRed;
59   end;
60
61
62
63 procedure TForm1.pnl3Click(Sender: TObject);
64 begin
65   Edit1.Clear;
66   pn12.Color:=clBtnFace;
67   pn11.Color:=clBtnFace;
68
69   begin
70     Edit1.Text:= Edit1.text+'Penjualan Barang';
71     pn13.Color:=clNavy;
72     pn14.Color:=clYellow;
73     pn11.Color :=clRed;
74     label1.Font.Color:=clBlack;
75     pn13.Font.Color:=clWhite;
76   end;
77
78 end;
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```

Form DataModule



Buat Database

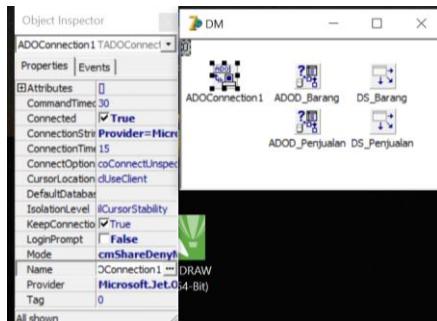
The screenshot shows two tables in Microsoft Access:

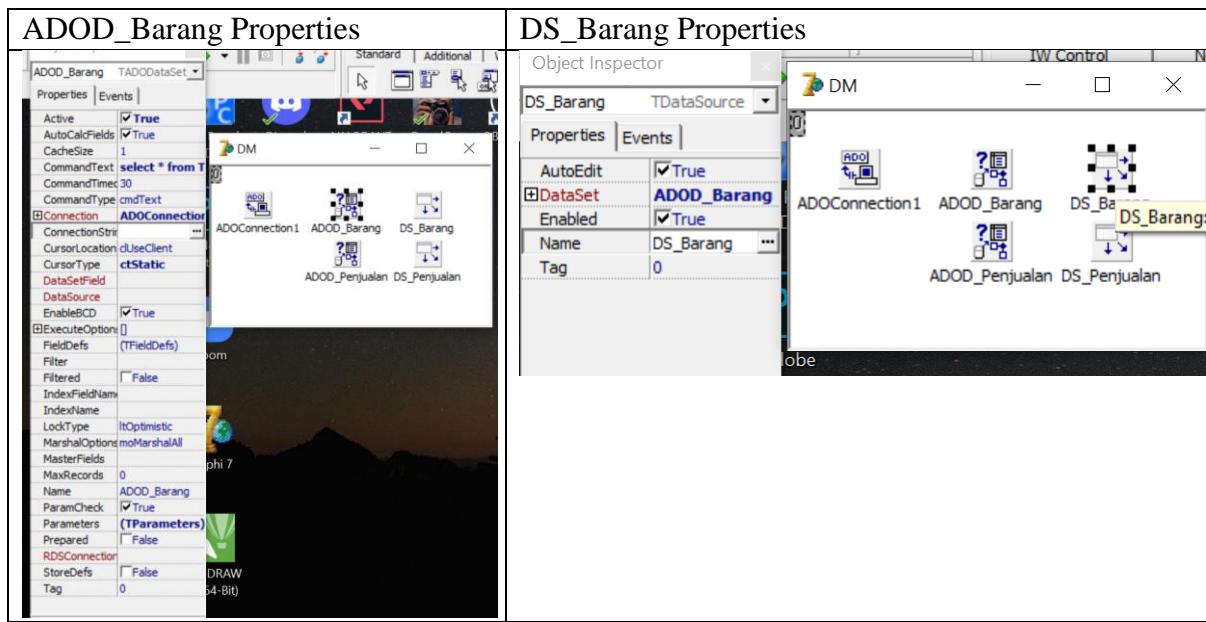
- TBarang:**

Tanggal	Nama Barang	Stok	Harga PerLit	Harga PerDr
04/07/2021	Oli S40	230	19000	4500000
04/07/2021	Oli 10w	230	19000	4500000
04/07/2021	Oli 30	230	19000	4500000
04/07/2021	Oli 90	209	25000	4900000
04/07/2021	Oli Turalik	230	19000	4500000
04/07/2021	Oli SX40	230	20000	4800000
- TPenjualan:**

Tanggal	Nama Barang	Stok	Laku	Sisa Stok	Harga	Total Harga
05/07/2021	Oli 10w	230	30	200	19000	570000
04/07/2021	Oli Turalik	230	30	200	19000	570000
04/07/2021	Oli SX40	230	25	205	19000	475000

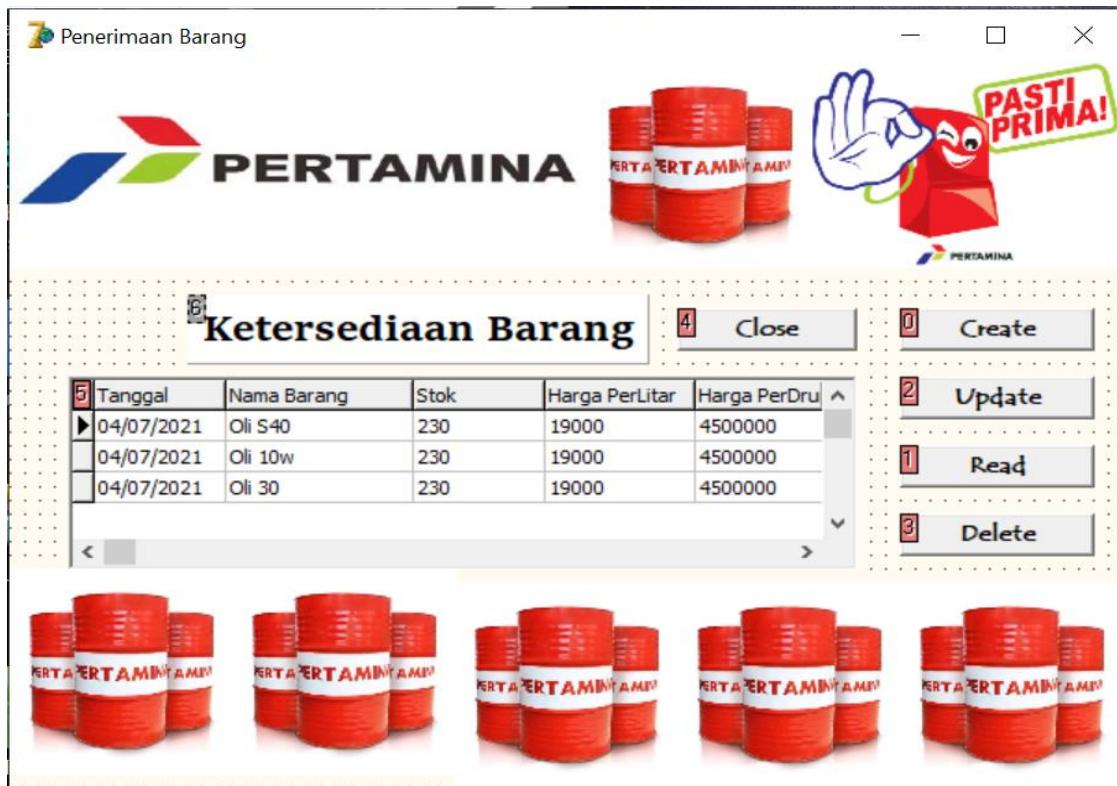
Sambungkan Adoconnection > Connection String > Build > Provider = Microsoft Jet 4.0 OLE DB Provider > Connection = Select Database, Ok.





Untuk menyambungkan ADOD_Penjualan dan DS_Penjualan Sama seperti ADOD_Barang dan DS_Barang.

Form Ketersediaan Barang



Codingnya Perhatikan urutan nomor!

```

Unit2.pas
Unit1*| Unit3*| Unit5 | Unit8*
File Edit View Insert Components Tools Help
TFPenerimaanBarang TFPenerimaanBarang.BCreateClick
35
36
37
38
39
40
41
42
43
44
45
46
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49
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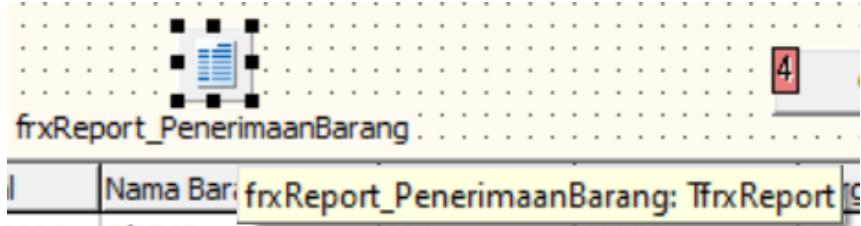
```

Membuat Laporan dengan Fast Report, Properties FrxDBDataset1

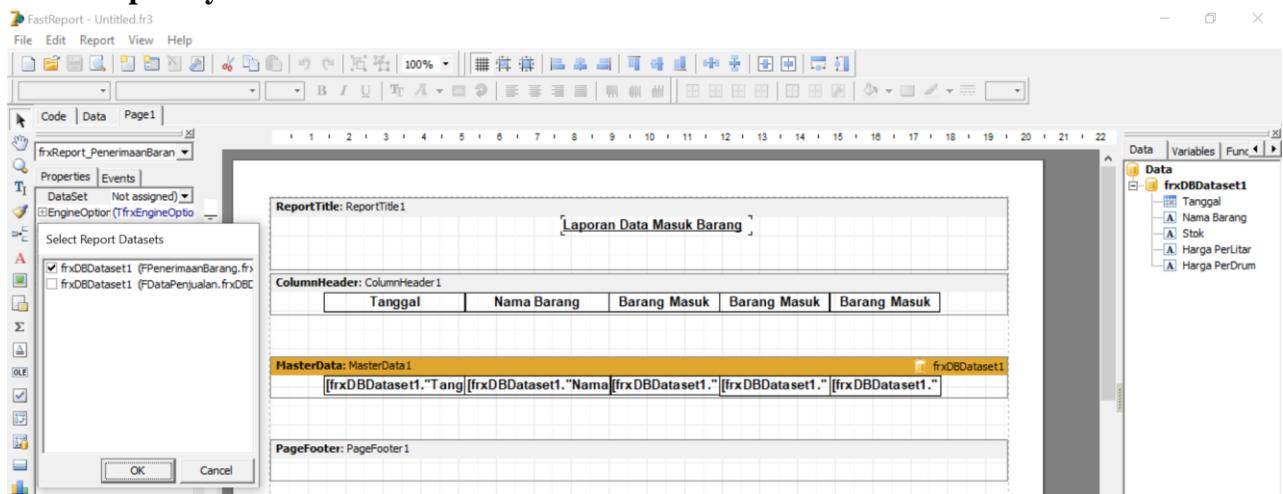
The screenshot shows the Delphi IDE interface. On the left, the Object Inspector displays components: frxDBDataset1, frxReport_PenerimaanBarang, and Object Inspector. The frxDBDataset1 properties are shown, including DataSet set to DM.ADODataSet1, Enabled checked, and OpenDataSource checked. The frxReport_PenerimaanBarang properties are also visible. In the center, a preview window shows a report with a Pertamina logo header. The main section contains a table with the following data:

Tanggal	Nama Barang	Stok
04/07/2021	Oli S40	230
04/07/2021	Oli 10W	230
04/07/2021	Oli 30	230

Klik 2x FrxReport_PenerimaanBarang



Form Reportnya



Form Penerimaan Barang



Codingnya Perhatikan urutan nomor!

```
Unit4.pas
Unit1* Unit3* Unit2* Unit4* Units | Unit8*
TFPenerimaan | TFPenerimaan.BSimpanClick
44   FPFenerimaan: TFPenerimaan;
45
46 implementation
47
48 uses Unit3, Unit7;
49
50 {SR *.dfm}
51
52 procedure TFPenerimaan.BSimpanClick(Sender: TObject);
53
54 begin
55   with DM.AdoD_barang do
56   begin
57     if Labell.Caption = 'Penerimaan Barang' then
58     begin
59       Append;
60       FieldValues ['Tanggal'] := DateTimePicker1.date;
61     end
62     else Insert;
63     fieldValues ['Nama Barang'] := enama.text;
64     fieldValues ['Stok'] := emasuk.text;
65     FieldValues ['Harga Perlitar'] := EHaper.Text;
66     FieldValues ['Harga PerDrum'] := Ehadrum.Text;
67     Post;
68     first;
69   end;
70   BBersihClick(Sender);
71
72 end;
73
74
75 procedure TFPenerimaan.BBersihClick(Sender: TObject);
76 begin
77   Enama.text:='';
78   Emasuk.text:='';
79   EHaper.text:='';
80   Ehadrum.text:='';
81
82
83 procedure TFPenerimaan.BCloseClick(Sender: TObject);
84 begin
85   Close;
86
87
88 procedure TFPenerimaan.Button1Click(Sender: TObject);
89 begin
90   FPeraturan.show;
91   close;
92
93
94 end.
```

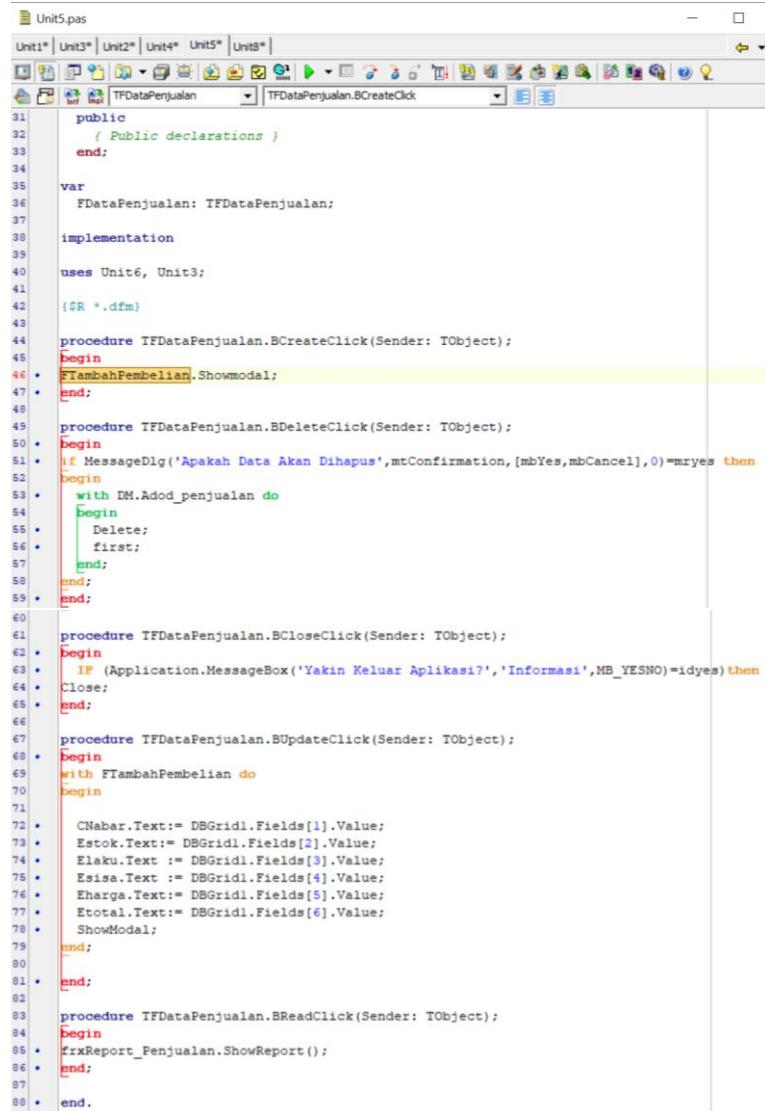
Form Data Penjualan

The screenshot shows a Windows application window titled "Data Penjualan". At the top left is the Pertamina logo. To its right is a cartoon character holding a thumbs-up gesture with the text "PASTI PAS!" next to it. The main content area has a yellow header bar with the title "DATA PENJUALAN OLI". Below this is a table with the following data:

Tanggal	Nama Barang	Stok	Laku	Sisa Stok	Harga	Total Harga
04/07/2021	Oli S40	230	25	205	19000	475000
05/07/2021	Oli 10w	230	30	200	19000	570000
04/07/2021	Oli Turalik	230	30	200	19000	570000

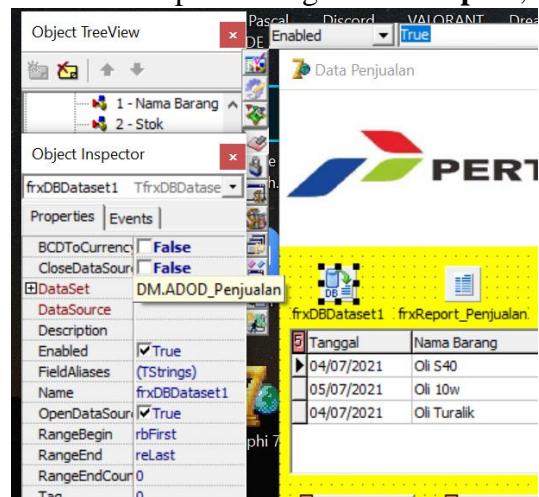
At the bottom of the window is a toolbar with five buttons labeled 1 through 5, corresponding to the numbers in the table headers: 1 for Create, 2 for Update, 3 for Read, 4 for Delete, and 5 for Close.

Codingnya Perhatikan urutan nomor!



```
Unit5.pas
Unit1*|Unit3*|Unit2*|Unit4*|Unit5*|Unit8*
TFDataPenjualan TFDataPenjualan.BCreateClick
31 public
32   (* Public declarations *)
33 end;
34
35 var
36   FDataPenjualan: TFDataPenjualan;
37
38 implementation
39
40 uses Unit6, Unit3;
41
42 (*SR *.dfm)
43
44 procedure TFDataPenjualan.BCreateClick(Sender: TObject);
45 begin
46 • FTambahPembelian.Showmodal;
47 • end;
48
49 procedure TFDataPenjualan.BDeleteClick(Sender: TObject);
50 begin
51 • if MessageDlg('Apakah Data Akan Dihapus',mtConfirmation,[mbYes,mbCancel],0)=mrYes then
52 begin
53   with DM.Adod_penjualan do
54     begin
55       Delete;
56       first;
57     end;
58   end;
59 • end;
60
61 procedure TFDataPenjualan.BCloseClick(Sender: TObject);
62 begin
63 • if (Application.MessageBox('Yakin Keluar Aplikasi?','Informasi',MB_YESNO)=idyes) then
64   Close;
65 • end;
66
67 procedure TFDataPenjualan.BUpdateClick(Sender: TObject);
68 begin
69 with FTambahPembelian do
70   begin
71     CNabar.Text:= DBGrid1.Fields[1].Value;
72     Estok.Text:= DBGrid1.Fields[2].Value;
73     Elaku.Text := DBGrid1.Fields[3].Value;
74     Esisa.Text := DBGrid1.Fields[4].Value;
75     Eharga.Text:= DBGrid1.Fields[5].Value;
76     Etotal.Text:= DBGrid1.Fields[6].Value;
77     ShowModal;
78   end;
79 • end;
80 • end;
81
82
83 procedure TFDataPenjualan.BReadClick(Sender: TObject);
84 begin
85   frxReport_Penjualan.ShowReport();
86 • end;
87
88 end.
```

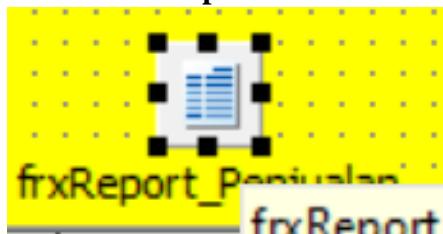
Membuat Laporan dengan Fast Report, Properties **FrxDataset1**



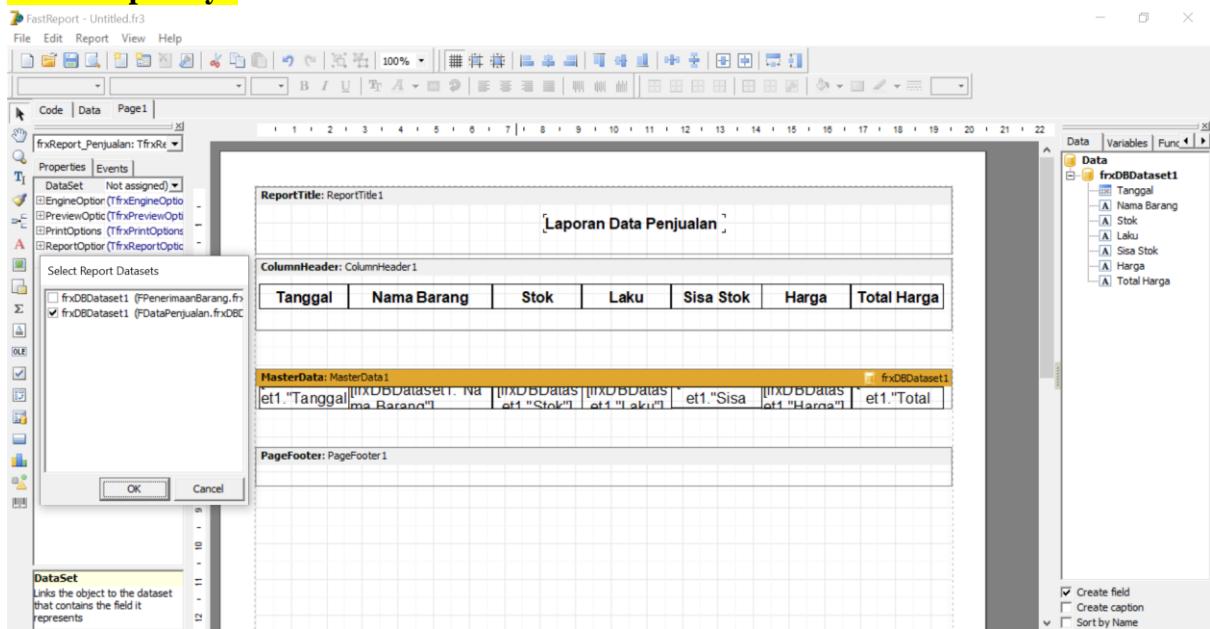
The screenshot shows the Delphi IDE interface with the following components visible:

- Object TreeView:** Shows nodes like "1 - Nama Barang" and "2 - Stok".
- Properties Panel:** Shows properties for **frxDBDataset1** (TfrxDBDataset).
 - Enabled:** True
 - DataSet:** DM.ADOD_Penjualan
 - DataSource:** frxDBDataset1
 - Description:** (empty)
 - Enabled:** checked (True)
 - FieldAliases:** (TStrings)
 - Name:** frxDBDataset1
 - OpenDataSource:** checked (True)
 - RangeBegin:** rbFirst
 - RangeEnd:** reLast
 - RangeEndCount:** 0
 - Tad:** 0
- Object Inspector:** Shows the same properties for **frxDBDataset1**.
- Report Preview:** Shows a preview of the report with a table containing data from the dataset.

Klik 2x FrxReport



Form Reportnya



Form Tambah Pembelian

A screenshot of a Windows application window titled "Tambah Pembelian". The window has a red header bar with the title. Below the header is a logo for PERTAMINA. The main area contains a form with fields for "Tanggal Pembelian" (date), "Nama Barang" (item name), "Laku" (sales), "Stok" (stock), "Sisa Stok" (remaining stock), "Harga" (price), and "Total" (total). At the bottom are buttons for "Hitung" (Calculate), "Simpan" (Save), "Hapus" (Delete), and "Keluar" (Exit). Below the form is a banner featuring the PERTAMINA Enduro Synthetic Oil products.

Codingnya Perhatikan urutan nomor!

The screenshot shows the Delphi IDE interface with the code editor open. The code is written in Pascal and defines several procedures and functions for managing a purchase addition. The code includes logic for adding items to a list, calculating totals, and handling specific item prices based on their names.

```
Unit6.pas

Unit1*|Unit3*|Unit2*|Unit4*|Unit5*|Unit6*|Unit8*
TFTambahPembelian TFTambahPembelian.BSimpanClick
var
  FTambahPembelian: TFTambahPembelian;
implementation
uses Unit3;
{$R *.dfm}
procedure TFTambahPembelian.BSimpanClick(Sender: TObject);
begin
  with DM.Adod_Penjualan do
  begin
    if Label1.Caption = 'Tambah Pembelian' then
    begin
      Append;
    end
    else Insert;
    FieldValues ['Tanggal'] := DateTimePicker1.date;
    fieldValues ['Nama Barang'] := cNabar.text;
    fieldValues ['stok'] := Estok.text;
    fieldValues ['Laku'] := Elaku.text;
    FieldValues ['Sisa Stok'] := Esisa.Text;
    FieldValues ['Harga'] := EHarga.Text;
    FieldValues ['Total Harga'] := Etotal.Text;
    Post;
    first;
  end;
  BhapusClick(Sender);
end;

procedure TFTambahPembelian.BhapusClick(Sender: TObject);
begin
  CNabar.Items.Add(DM.ADOD_Barang.fieldByname ('Nama Bar'));
  DM.ADOD_Barang.Next;
end;

procedure TFTambahPembelian.Label9Click(Sender: TObject);
begin
  EHarga.Text:='19000';
end;

procedure TFTambahPembelian.Label10Click(Sender: TObject);
begin
  EHarga.Text:='20000';
end;

procedure TFTambahPembelian.Label11Click(Sender: TObject);
begin
  EHarga.Text:='25000';
end;

procedure TFTambahPembelian.ElakuChange(Sender: TObject);
begin
  if CNabar.Text = 'Oli 10w' then
    EHarga.Text:='19000'
  else
    if CNabar.Text = 'Oli SX40' then
      EHarga.Text:='19000'
    else
      if CNabar.Text = 'Oli S40' then
        EHarga.Text:='19000'
      else
        if CNabar.Text = 'Oli 30' then
          EHarga.Text:='19000'
        else
          if CNabar.Text = 'Oli Turalik' then
            EHarga.Text:='19000'
          else
            if CNabar.Text = 'Oli 90' then
              EHarga.Text:='25000';
end;

procedure TFTambahPembelian.BhitungClick(Sender: TObject);
var laku,stok,sisa,harga,total : Real;
begin
  laku:=StrToFloat(Elaku.text);
  stok:=StrToFloat(Estok.Text);
  harga:=StrToFloat(EHarga.text);
  sisa:=stok-laku;
  Esisa.Text:=FloatToStr(sisa);
  total:=laku*harga;
  Etotal.Text:=FloatToStr(total);
end.
```

Form Peraturan

Peraturan

POLRESTA BANJARMASIN

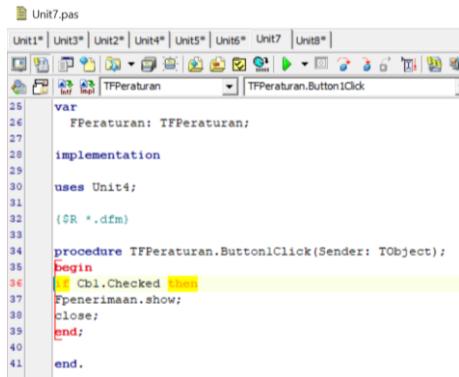
Peraturan Penerimaan OLI

- Penjual Wajib Memiliki Label / Sertifikat untuk membuktikan Keamanan Legalitas
- Drum Harus disegel dengan Segel Resmi Dari PT. Pertamina
- Oli Tidak Bekas pakai
- Harga Asli Tidak Boleh Meroket Terlalu Tinggi
- Transaksi Hanya Dilakukan Cash / COD
Tidak Menerima Transfer!

Saya Paham

Kembali

Codingnya Perhatikan urutan nomor!

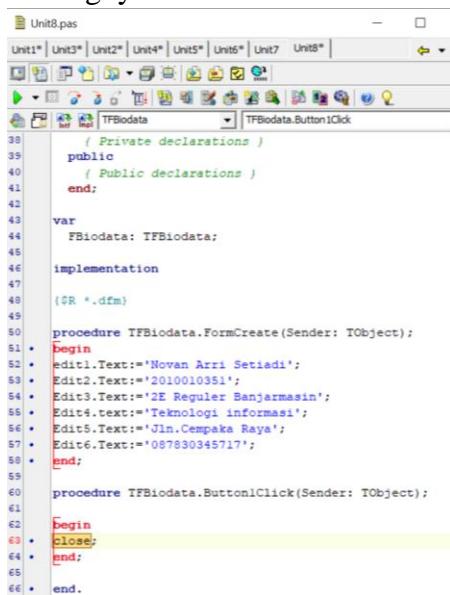


```
Unit7.pas
Unit1* | Unit3* | Unit2* | Unit4* | Unit5* | Unit6* | Unit7 | Unit8*
File Edit View Insert Components Tools Help
TFFPeraturan TFFPeraturan.Button1Click
26 var
27   FPeraturan: TFFPeraturan;
28 implementation
29 uses Unit4;
30
31 (*R *.dfm)
32
33 procedure TFFPeraturan.Button1Click(Sender: TObject);
34 begin
35   if Cb1.Checked then
36     Fpenerimaan.show;
37   close;
38 end;
39
40 end.
```

Form Biodata



Codingnya Perhatikan urutan nomor!



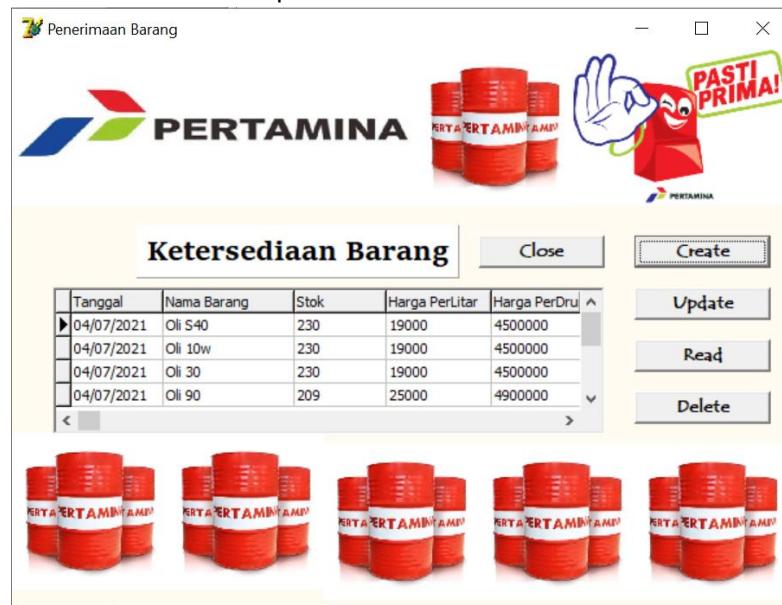
```
Unit8.pas
Unit1* | Unit3* | Unit2* | Unit4* | Unit5* | Unit6* | Unit7 | Unit8*
File Edit View Insert Components Tools Help
TFBiodata TFBiodata.Button1Click
38 { Private declarations }
39 public
40 { Public declarations }
41 end;
42
43 var
44   FBiodata: TFBiodata;
45
46 implementation
47
48 (*R *.dfm)
49
50 procedure TFBiodata.FormCreate(Sender: TObject);
51 begin
52   edit1.Text:='Novan Arri Setiadi';
53   edit2.Text:='2010010351';
54   edit3.Text:='2E Reguler Banjarmasin';
55   edit4.Text:='Teknologi informasi';
56   edit5.Text:='Jln.Cempaka Raya';
57   edit6.Text:='087830345717';
58 end;
59
60 procedure TFBiodata.Button1Click(Sender: TObject);
61
62 begin
63   close;
64 end;
65
66 end.
```

PROGRAM TOKO OLI PERTAMINA (SAAT RUN)

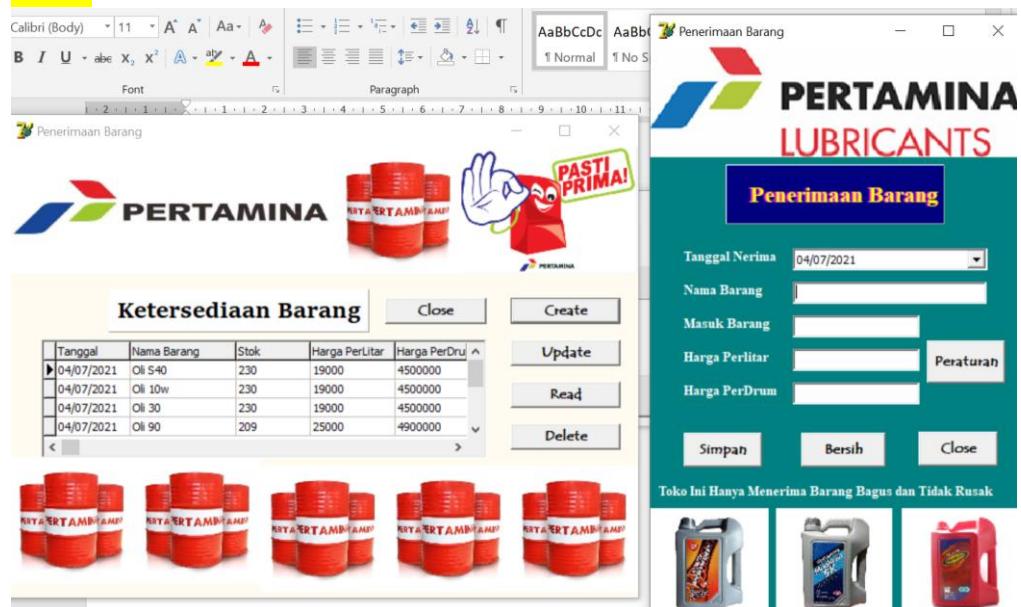
Klik Penerimaan Barang



Maka Akan Muncul Seperti Gambar dibawah ini



Create Untuk Menambahkan data



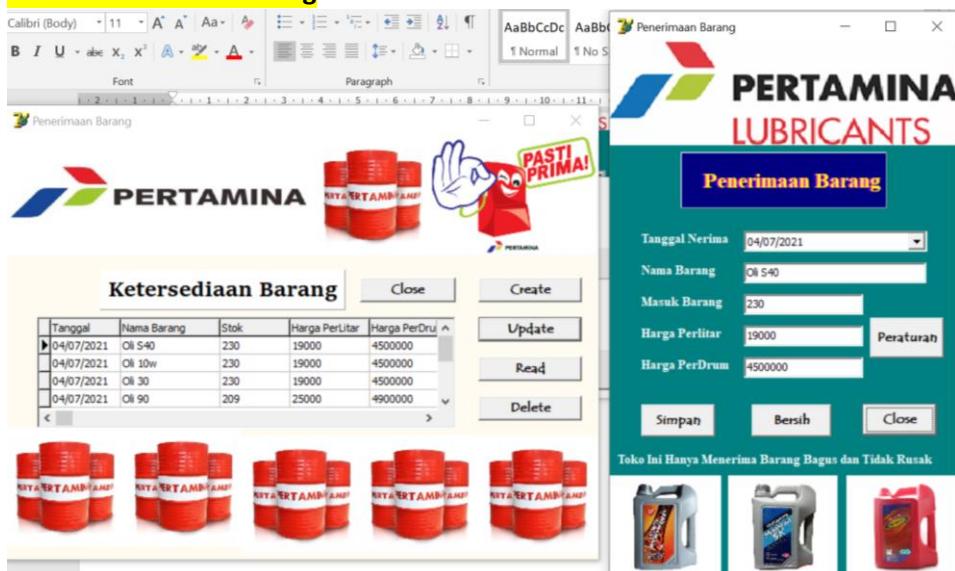
Didalam Form Penerimaan Barang Ada **Form peraturan** yang bisa di Lihat



Wajib Klik "Saya Paham" Agar bisa kembali Ke Form

Sebelumnya.

Update Untuk Mengubah Data, **"Bersih"** untuk membersihkan Kolom lalu **"Close"** untuk Menutup **Form Penerimaan Barang**



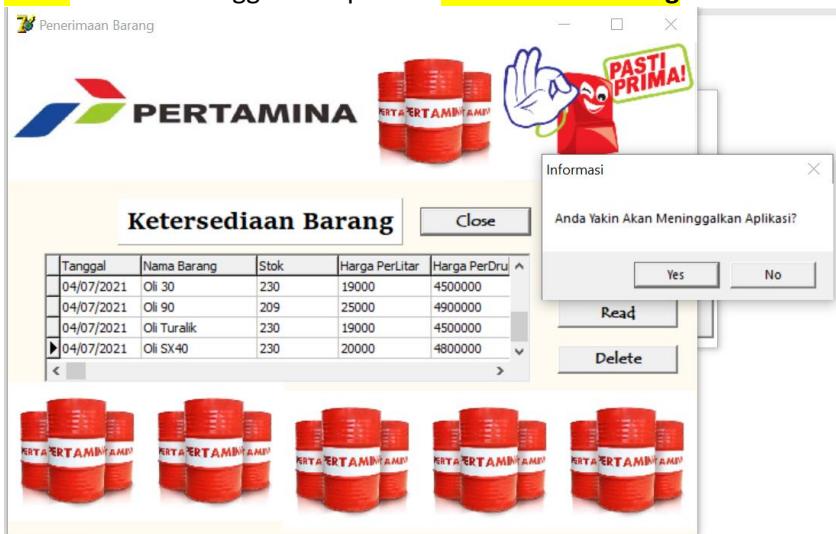
Read Untuk Menampilkan Laporan

Tanggal	Nama Barang	Barang Masuk	Barang Masuk	Barang Masuk
04/07/2021	Oli S40	230	19000	4500000
04/07/2021	Oli 10w	230	19000	4500000
04/07/2021	Oli 30	230	19000	4500000
04/07/2021	Oli 90	209	25000	4900000
04/07/2021	Oli Turaflik	230	19000	4500000
04/07/2021	Oli SX40	230	20000	4800000

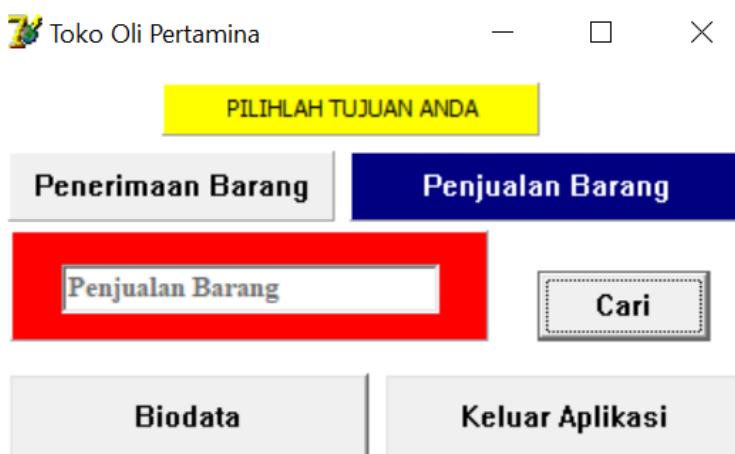
Delete Untuk Menghapus Data



Close Untuk Meninggalkan Aplikasi “Penerimaan barang”.



Selanjutnya Klik **Penjualan Barang**



Lalu akan muncul **Form Data Penjualan**



Klik **Create** Akan memunculkan Form Tambahan Pembelian Isi datanya dengan memasukan nama barang, laku dan stok, Lalu klik "Hitung", maka data itu akan muncul di **Form Data Penjualan**.



Klik **Update** akan Memunculkan **Form Tambahan Pembelian** serta isi yang sudah ada didalam **Form Data Pembelian**, **Hapus** Untuk menghapus Semua edit yang terisi, kemudian **simpan** lalu keluar.

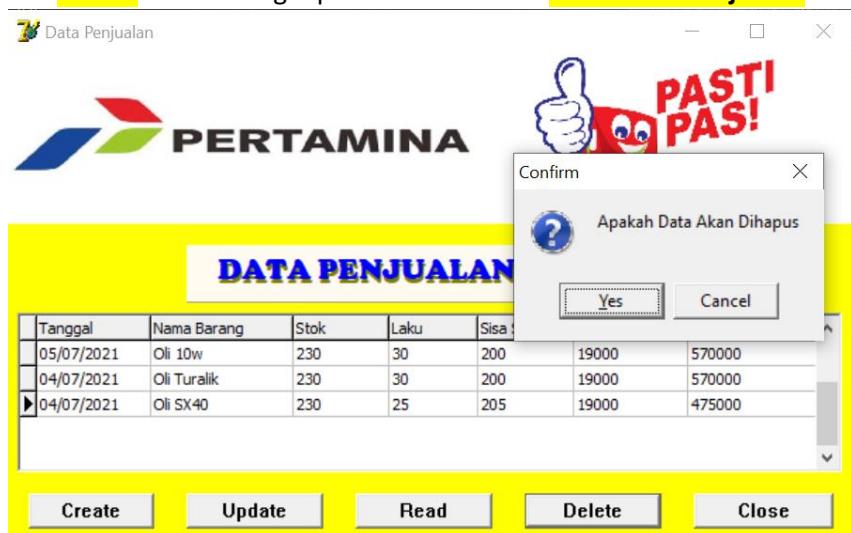


Klik **Read** Untuk memunculkan Laporan Penjualan Oli

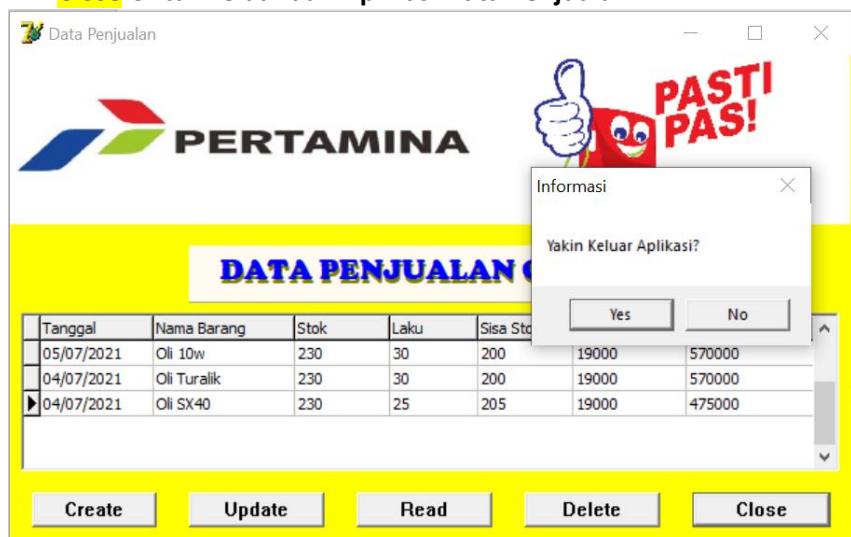
Laporan Data Penjualan

Tanggal	Nama Barang	Stok	Laku	Sisa Stok	Harga	Total Harga
05/07/2021	Oli 10w	230	30	200	19000	570000
04/07/2021	Oli Turalik	230	30	200	19000	570000
04/07/2021	Oli SX40	230	25	205	19000	475000

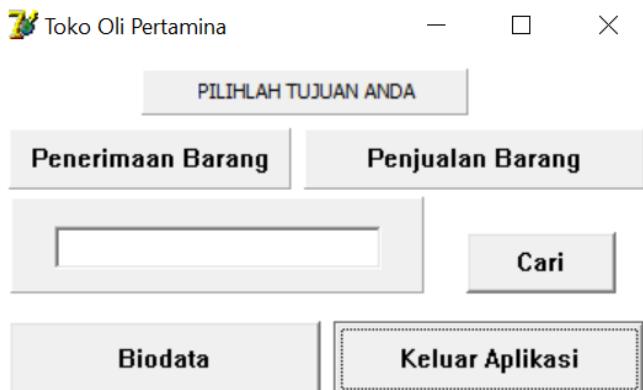
Klik **Delete** untuk menghapus data di DBGrid Form Data Penjualan



Klik **Close** Untuk keluar dari Aplikasi Data Penjualan



Setelah menutup aplikasi, akan menampilkan Form Pertama, Lalu Klik **Biodata**



Maka **Form Biodata** Pembuat Aplikasi Ini telah ditampilkan



Ini makalah kedua yang di buat karena penulis merasa makalah pertama itu **Tidak** cukup menarik dan membosankan.

**TERIMAKASIH SUDAH MELIHAT MAKALAH SEADANYA
INI. SEMOGA DAPAT DIPAHAMI DAN SELAMAT MENCOBA!**

Banjarmasin, 5 Juli 2021

Novan Arri Setiadi