LAMPIRAN A

LISTING PROGRAM

```
//======LOGIN======//
unit uLogin;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs, RzButton, StdCtrls,
RzPanel, ExtCtrls, jpeg;

type
  TfLogin = class(TForm)
    RzGroupBox1: TRzGroupBox;
    Label1: TLabel;
    Label2: TLabel;
    eUser: TEdit;
    ePass: TEdit;
    RzGroupBox2: TRzGroupBox;
    Login: TRzBitBtn;
    Keluar: TRzBitBtn;
    Image1: TImage;
    procedure
KeluarClick(Sender: TObject);
    procedure FormShow(Sender:
TObject);
    procedure
LoginClick(Sender: TObject);
    procedure
eUserKeyDown(Sender:  TObject;
var Key: Word;
      Shift: TShiftState);
    procedure
ePassKeyDown(Sender:  TObject;
var Key: Word;
      Shift: TShiftState);
    procedure
FormClose(Sender: TObject; var
Action: TCloseAction);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fLogin: TfLogin;

implementation

uses uDm, uMain;

{$R *.dfm}

procedure
TfLogin.KeluarClick(Sender:
TObject);
begin
if   MessageDlg('Apakah   anda
ingin       keluar       dari
program??',mtConfirmation,[mbY
Es,mbNo],0)=mrYes then
 Application.Terminate;
end;
var
state:char;
procedure
TfLogin.FormShow(Sender:
TObject);
begin
eUser.SetFocus;
state:='N';
end;


procedure
TfLogin.LoginClick(Sender:
TObject);

begin

with dm do
begin
  qUser.Close;

qUser.Parameters[0].Value:=tri
m(eUser.Text);

qUser.Parameters[1].Value:=tri
m(ePass.Text);
  qUser.Open;
  if qUser.RecordCount=1 then
  begin
  state:='L';
   close;
```

```
  end
  else
  MessageDlg('User   ID   atau
Password
Salah!!',mtWarning,[mbOK],0);
  eUser.SetFocus;
end;
end;

procedure
TfLogin.eUserKeyDown(Sender:
TObject; var Key: Word;
  Shift: TShiftState);
begin
if key=vk_return then
ePass.SetFocus;
end;

procedure
TfLogin.ePassKeyDown(Sender:
TObject; var Key: Word;
  Shift: TShiftState);
begin
if key=vk_return then
LoginClick(nil);
end;

procedure
TfLogin.FormClose(Sender:
TObject;      var      Action:
TCloseAction);
begin
if state='L' then
begin
  if
dm.qUser['user_type']='Operato
r' then
  begin

fmain.DataUser1.Visible:=false
;
    fmain.Data1.Visible:=true;

fMain.ransaksi1.Visible:=true;

fmain.laporan1.Visible:=true;

fMain.LogUser1.Visible:=false;
  end
  else
  begin

fmain.DataUser1.Visible:=true;

fmain.Data1.Visible:=false;

fMain.ransaksi1.Visible:=false
;

fmain.laporan1.Visible:=false;

fMain.LogUser1.Visible:=true;
  end;

Action:=caFree
end
else
begin
Action:=caNone;
end
end;

end.
//======MENU UTAMA======//
unit uMain;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,    Menus,    XPMan,
ExtCtrls, RzPanel, jpeg;

type
  TfMain = class(TForm)
    XPManifest1: TXPManifest;
    MainMenu1: TMainMenu;
    File1: TMenuItem;
    utup2: TMenuItem;
    Data1: TMenuItem;
    Pelanggan1: TMenuItem;
    RzStatusBar1:
TRzStatusBar;
    ipeKendaraan1: TMenuItem;
```

```
    JenisKendaraan1:
TMenuItem;
    Kendaraan1: TMenuItem;
    N1: TMenuItem;
    SukuCadang1: TMenuItem;
    ransaksi1: TMenuItem;
    Servis1: TMenuItem;
    laporan1: TMenuItem;
    User1: TMenuItem;
    DataUser1: TMenuItem;
    N2: TMenuItem;
    Keluar1: TMenuItem;
    DataPelanggan1: TMenuItem;
    DataServis1: TMenuItem;
    Image1: TImage;
    N3: TMenuItem;
    PenentuanPersediaan1:
TMenuItem;
    GantiPassword1: TMenuItem;
    HistoryServis1: TMenuItem;
    LogUser1: TMenuItem;
    procedure
utup2Click(Sender: TObject);
    procedure
Pelanggan1Click(Sender:
TObject);
    procedure
ipeKendaraan1Click(Sender:
TObject);
    procedure
JenisKendaraan1Click(Sender:
TObject);
    procedure
Kendaraan1Click(Sender:
TObject);
    procedure
SukuCadang1Click(Sender:
TObject);
    procedure
Servis1Click(Sender: TObject);
    procedure FormShow(Sender:
TObject);
    procedure
FormActivate(Sender: TObject);
    procedure
DataUser1Click(Sender:
TObject);
    procedure
Keluar1Click(Sender: TObject);
    procedure
DataPelanggan1Click(Sender:
TObject);
    procedure
DataServis1Click(Sender:
TObject);
    procedure
PenentuanPersediaan1Click(Send
er: TObject);
    procedure
GantiPassword1Click(Sender:
TObject);
    procedure
HistoryServis1Click(Sender:
TObject);
    procedure
LogUser1Click(Sender:
TObject);
    procedure
Image1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fMain: TfMain;

implementation

uses    uPelanggan,    uTipe,
uJenis,   uKendaraan,   uPart,
uServis, uDm, uLogin,
  uUser,   uqrPlg,   uqrServis,
uPenentuan,        uGantiPass,
uHistory, uLogUser,
  uLaporanKlas;

{$R *.dfm}

procedure
TfMain.utup2Click(Sender:
TObject);
begin
Application.Terminate;
```

```
end;

procedure
TfMain.Pelanggan1Click(Sender:
TObject);
begin
fPelanggan.showmodal;
end;

procedure
TfMain.ipeKendaraan1Click(Send
er: TObject);
begin
fTipe.ShowModal;
end;

procedure
TfMain.JenisKendaraan1Click(Se
nder: TObject);
begin
fjenis.ShowModal;
end;

procedure
TfMain.Kendaraan1Click(Sender:
TObject);
begin
fkendaraan.ShowModal;
end;

procedure
TfMain.SukuCadang1Click(Sender
: TObject);
begin
fPart.ShowModal;
end;

procedure
TfMain.Servis1Click(Sender:
TObject);
begin
fServis.ShowModal;
end;

procedure
TfMain.FormShow(Sender:
TObject);
var
fLogin:tflogin;
begin
  with dm do
  begin
    if     qUser.RecordCount<1
then
    begin

fLogin:=TfLogin.Create(self);
      try fLogin.ShowModal;
      finally fLogin.free;
      end;
    end;
  end;

end;

var abreho:byte=0;
procedure
TfMain.FormActivate(Sender:
TObject);
begin
if abreho=0 then

windowState:=wsMaximized;
      abreho:=1;
end;

procedure
TfMain.DataUser1Click(Sender:
TObject);
begin
fUser.ShowModal;
end;

procedure
TfMain.Keluar1Click(Sender:
TObject);
var
fLogin:tflogin;
begin
if MessageDlg('apakah anda mau
log
out??',mtConfirmation,[mbYEs,m
bNo],0)=mrNo then exit;

  with dm do
  begin
```

```
  qUser.Close;

qUser.Parameters[0].Value:='';

qUser.Parameters[1].Value:='';
  qUser.Open;

    if     qUser.RecordCount<1
then
    begin

fLogin:=TfLogin.Create(self);
      try fLogin.ShowModal;
      finally fLogin.free;
      end;
    end;
  end;

end;

procedure
TfMain.DataPelanggan1Click(Sen
der: TObject);
begin
qrPlg.qPlg.Close;
qrPlg.qPlg.open;
qrPlg.preview;
end;

procedure
TfMain.DataServis1Click(Sender
: TObject);
var
sql,where:string;
begin
where:='';
qrServis.lTahun.Caption:='';
qrServis.lBulan.Caption:='';
qrServis.ltanggal.Caption:='';
qrServis.liTahun.Caption:='';
qrServis.liBulan.Caption:='';
qrServis.litgl.Caption:='';

if flaporanKlas.showmodal=mrOk
then
begin
  with fLaporanKlas do
  begin

   if rbSemua.Checked then

qrServis.QRBand2.Height:=60
    else

    if rbTahun.Checked then
    begin
      where:='             and
year(d_servis)="'+cbtahun.Text
+'"';

qrServis.lTahun.Caption:='Tahu
n : ';

qrServis.liTahun.Caption:=cbta
hun.Text;

qrServis.QRBand2.Height:=75;
    end else

    if rbBulan.Checked then
    begin
      where:='             and
year(d_servis)="'+cbtahun.Text
+
      '"                   and
monthname(d_servis)="'+cbBulan
.Text+'"';

qrServis.lBulan.Caption:='Bula
n : ';

qrServis.liBulan.Caption:=cbBu
lan.Text;

qrServis.lTahun.Caption:='Tahu
n : ';

qrServis.liTahun.Caption:=cbta
hun.Text;

qrServis.QRBand2.Height:=91;
    end else

    if rbtanggal.Checked then
    begin
```

```
      where:='             and
year(d_servis)="'+cbtahun.Text
+
      '"                   and
monthname(d_servis)="'+cbBulan
.Text+
      '"                   and
date_format(d_servis,"%d")="'+
cbTanggal.Text+'"';

qrServis.ltanggal.Caption:='Ta
nggal : ';

qrServis.litgl.Caption:=cbTang
gal.Text;

qrServis.lBulan.Caption:='Bula
n : ';

qrServis.liBulan.Caption:=cbBu
lan.Text;

qrServis.lTahun.Caption:='Tahu
n : ';

qrServis.liTahun.Caption:=cbta
hun.Text;

qrServis.QRBand2.Height:=107;
    end;
  end;
sql:='SELECT
s.d_servis,s.c_servis,s.no_pol
isi,j.n_jenis,p.n_plg,s.v_serv
is,'+
'SUM(IFNULL(ds.v_part*ds.j_par
t,0))    v_sucad,'+
's.v_servis+SUM(IFNULL(ds.v_pa
rt*ds.j_part,0))    total,'+
'p.c_plg,   s.ket,   j.c_jenis,
u.username '+
'FROM  servis  s    LEFT  JOIN
detail_servis  ds       USING
(c_servis)'+
'JOIN  kendaraan  k      USING
(no_polisi)     JOIN  jenis  j
USING (c_jenis)'+
'JOIN  pelanggan  p      USING
(c_plg)      join   users   u
using(userid)'+
'where 1 '+where+ ' GROUP BY
s.c_servis';
  with qrServis do
  begin
    qServis.Close;
    qServis.SQL.Text:=sql;
    qServis.Open;
    if   tDetserv.Active=false
then
    tDetserv.Open;
    preview;
  end;
end;
end;

procedure
TfMain.PenentuanPersediaan1Cli
ck(Sender: TObject);
begin
fPenentuan.showmodal;
end;

procedure
TfMain.GantiPassword1Click(Sen
der: TObject);
begin
fGantiPass.ShowModal;
end;

procedure
TfMain.HistoryServis1Click(Sen
der: TObject);
begin
fHistory.showmodal;
end;

procedure
TfMain.LogUser1Click(Sender:
TObject);
begin
fLogUser.ShowModal;
end;
```

```
procedure
TfMain.Image1Click(Sender:
TObject);
begin

end;

end.
//======PELANGGAN======//
{$R *.dfm}
unit uPelanggan;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  ExtCtrls,  RzPanel,
StdCtrls,    Mask,    DBCtrls,
RzDBNav, Grids,
  DBGrids,           RzDBGrid,
RzButton,db, ADODB;

type
  TfPelanggan = class(TForm)
    PanelCari: TRzPanel;
    PanelManip: TRzPanel;
    RzDBGrid1: TRzDBGrid;
    Navigator: TRzDBNavigator;
    Label1: TLabel;
    DBEdit1: TDBEdit;
    Label2: TLabel;
    DBEdit2: TDBEdit;
    Label3: TLabel;
    DBEdit3: TDBEdit;
    Label4: TLabel;
    DBEdit4: TDBEdit;
    Tambah: TRzBitBtn;
    Ubah: TRzBitBtn;
    Hapus: TRzBitBtn;
    Simpan: TRzBitBtn;
    Batal: TRzBitBtn;
    Label5: TLabel;
    cbCari: TComboBox;
    eCari: TEdit;
    Cari: TRzBitBtn;
    RzBitBtn1: TRzBitBtn;
    ADOQuery1: TADOQuery;
    procedure
eCariKeyDown(Sender:  TObject;
var Key: Word;
      Shift: TShiftState);
    procedure
CariClick(Sender: TObject);
    procedure
cbCariChange(Sender: TObject);
    procedure
TambahClick(Sender: TObject);
    procedure
UbahClick(Sender: TObject);
    procedure
HapusClick(Sender: TObject);
    procedure
SimpanClick(Sender: TObject);
    procedure
BatalClick(Sender: TObject);

    procedure
DBEdit4KeyDown(Sender:
TObject; var Key: Word;
      Shift: TShiftState);
    procedure
RzBitBtn1Click(Sender:
TObject);
    procedure
Button1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fPelanggan: TfPelanggan;

implementation

uses uDm, uqrPlg;

{$R *.dfm}
function
ReplaceApost(kalimat:string):s
tring;
var
temp:string;
```

```
posisi:integer;
begin
temp:=kalimat;
posisi:=pos('"',kalimat);
while posisi>0 do
begin
insert('\',temp,posisi);
insert('\',kalimat,posisi);
kalimat[pos('"',kalimat)]:='0'
;
posisi:=pos('"',kalimat);
end;
result:=temp;
end;

procedure
Endis(state:boolean);
begin
  with fpelanggan do
  begin
    PanelCari.Enabled:=state;
    RzDBGrid1.Enabled:=state;
    Navigator.Enabled:=state;

   // DBEdit1.ReadOnly:=state;
    DBEdit2.ReadOnly:=state;
    DBEdit3.ReadOnly:=state;
    DBEdit4.ReadOnly:=state;

    Tambah.Enabled:=state;
    Ubah.Enabled:=state;
    Hapus.Enabled:=state;
    Simpan.Enabled:=not state;
    Batal.Enabled:=not state;
  end;
end;

procedure
TfPelanggan.eCariKeyDown(Sende
r: TObject; var Key: Word;
  Shift: TShiftState);
begin
if key=vk_return then
begin
   CariClick(nil);
end;
end;

procedure
TfPelanggan.CariClick(Sender:
TObject);
var
field,sql:string;
begin
  case cbCari.ItemIndex of
    0:field:='c_plg';
    1:field:='n_plg';
    2:field:='alamat';
    3:field:='tlp';
  end;
  sql:='select     *     from
pelanggan where '+field+' like
"%'+ReplaceApost(trim(eCari.Te
xt))+'%"';

  with dm do
  begin
    qPelanggan.Close;
    qPelanggan.SQL.Text:=sql;
    qPelanggan.Open;
  end;
exit;
end;

procedure
TfPelanggan.cbCariChange(Sende
r: TObject);
begin
eCari.SetFocus;
CariClick(nil);
end;

procedure
TfPelanggan.TambahClick(Sender
: TObject);
begin
Endis(false);
dm.qPelanggan.Append;
dm.qPelanggan['n_plg']:='';
DBEdit2.SetFocus;
end;

procedure
TfPelanggan.UbahClick(Sender:
TObject);
begin
```

```
Endis(false);
dm.qPelanggan.Edit;
DBEdit2.SetFocus;
end;

procedure
TfPelanggan.HapusClick(Sender:
TObject);
var
confirm:integer;
cplg:string;
begin
if dm.qPelanggan.RecordCount<1
then
begin
  eCari.SetFocus;
  exit;
end;
confirm:=MessageDlg('Anda
Yakin  Akan  Menghapus  Data
'+dm.qPelanggan['n_plg']+'??',
mtConfirmation,[mbYes,mbNo],0)
;

  if confirm=mrYes then
  begin

cplg:=dm.qPelangganc_plg.Value
;
    dm.qPelanggan.Delete;

  with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Pelanggan';

qlog.Parameters[2].Value:=qPel
angganc_plg.Value;
    qLog.ExecSQL;
  end;

  end;
  eCari.SetFocus;
end;

procedure
TfPelanggan.SimpanClick(Sender
: TObject);
var
qr:TADOQuery;
sql,nama:string;
jml:integer;
begin   {
if(trim(DBEdit1.Text)='')then
begin
  ShowMessage('Kode  Pelanggan
Tidak Boleh Kosong!!');
  exit;
end;          }
if(trim(DBEdit2.Text)='')then
begin
  ShowMessage('Nama  Pelanggan
Tidak Boleh Kosong!!');
  exit;
end;   {

qr:=TADOQuery.Create(Applicati
on);
  qr.Connection:=dm.conn;
  sql:='select     count(*)jml
from      pelanggan      where
c_plg="'+DBEdit1.Text+'"';
  qr.Close;
  qr.SQL.Text:=sql;
  qr.Open;
  jml:= qr['jml'] ;
  qr.Free;


if((dm.qPelanggan.State=dsInse
rt)and(jml>0))then
  begin
    ShowMessage('Pelanggan
dengan kode "'+DBEdit1.Text+'"
Sudah Terdaftar!!');
    exit;
  end;     }

dm.qPelanggan.Post;
Endis(true);
```

```
nama:=dm.qPelanggan['n_plg'];
dm.qPelanggan.Close;
dm.qPelanggan.Open;
dm.qPelanggan.Locate('n_plg',n
ama,[loPartialKey]);
with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Pelanggan';

qlog.Parameters[2].Value:=qPel
angganc_plg.Value;
    qLog.ExecSQL;
  end;
    Tambah.SetFocus;
 {
if  dm.qPelanggan.State=dsEdit
then exit;
if            MessageDlg('Data
'+dm.qPelanggan['n_plg']+'
Berhasil disimpan!!'+#13#13+
    'Apakah      anda      akan
menambahkan   data   Pelanggan
yang lain??',mtConfirmation,
    [mbYes,mbNO],0)=mrYes then
    begin
      TambahClick(nil);
      DBEdit1.SetFocus;
    end
    else eCari.SetFocus;  }
end;

procedure
TfPelanggan.BatalClick(Sender:
TObject);
begin
dm.qPelanggan.Cancel;
Endis(true);
eCari.SetFocus;
end;

procedure
TfPelanggan.DBEdit4KeyDown(Sen
der: TObject; var Key: Word;
  Shift: TShiftState);
begin
  if key=vk_return then
  begin
    key:=0;
    SimpanClick(nil);
  end;
end;

procedure
TfPelanggan.RzBitBtn1Click(Sen
der: TObject);
begin
qrPlg.qPlg.Close;
qrPlg.qPlg.open;
qrPlg.preview;
end;

procedure
TfPelanggan.Button1Click(Sende
r: TObject);
begin
dm.qPelanggan.Close;
dm.qPelanggan.Open;
end;

end.

//======TYPE KENDARAAN======//

unit uTipe;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,   Grids,   DBGrids,
RzDBGrid,  ExtCtrls,  RzPanel,
StdCtrls, Mask,
  DBCtrls,    RzButton,    DB,
ADODB;

type
```

```
  TfTipe = class(TForm)
    RzPanel1: TRzPanel;
    RzDBGrid1: TRzDBGrid;
    Label1: TLabel;
    DBEdit1: TDBEdit;
    Label2: TLabel;
    DBEdit2: TDBEdit;
    Ubah: TRzBitBtn;
    Tambah: TRzBitBtn;
    Simpan: TRzBitBtn;
    Batal: TRzBitBtn;
    qCekTipe: TADOQuery;
    Hapus: TRzBitBtn;
    procedure
TambahClick(Sender: TObject);
    procedure
UbahClick(Sender: TObject);
    procedure
SimpanClick(Sender: TObject);
    procedure
BatalClick(Sender: TObject);
    procedure
HapusClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fTipe: TfTipe;

implementation

uses uDm;

{$R *.dfm}
function LolosCek:boolean;
begin
with fTipe do
begin
  with dm do
  begin
    LolosCek:=true;
    if
(length(trim(DBEdit1.Text))<1)
or
(length(trim(DBEdit2.Text))<1)
then
    begin
      MessageDlg('Kode    Type
atau   Type   Kendaraan   Tidak
Boleh
Kosong!!',mtWarning,[mbOK],0);
      result:=false;
      exit;
    end;

    if    tTipe.State=dsInsert
then
    begin
     qCekTipe.close;

qCekTipe.Parameters[0].Value:=
trim(tTipe['n_type']);
      qCekTipe.Open;
      if
fTipe.qCekTipe.RecordCount>0
then
      begin
        MessageDlg('Kode  Type
Sudah
Ada!!',mtWarning,[mbOK],0);
        result:=false;
      end;
    end;
  end;
end;
end;

procedure
Endis(state:boolean);
begin
  with fTipe do
  begin
   RzDBGrid1.Enabled:=state;

    DBEdit1.ReadOnly:=state;
    DBEdit2.ReadOnly:=state;

    Tambah.Enabled:=state;
    Ubah.Enabled:=state;

    Simpan.Enabled:=not state;
```

```
    Batal.Enabled:=not state;
  end;
end;

procedure
TfTipe.TambahClick(Sender:
TObject);
begin
Endis(false);
dm.tTipe.Append;
dm.tTipe['n_type']:='';
DBEdit1.SetFocus;
end;

procedure
TfTipe.UbahClick(Sender:
TObject);
begin
Endis(false);
dm.tTipe.Edit;
DBEdit1.SetFocus;
end;

procedure
TfTipe.SimpanClick(Sender:
TObject);
begin
if LolosCek then
begin
  dm.tTipe.Post;

  with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Tipe Kendaraan';

qlog.Parameters[2].Value:=tTip
e['n_type'];
    qLog.ExecSQL;
  end;

  Endis(true);
end
else
begin
  DBEdit1.SetFocus;

end;
end;

procedure
TfTipe.BatalClick(Sender:
TObject);
begin
 dm.tTipe.Cancel;
Endis(true);
end;

procedure
TfTipe.HapusClick(Sender:
TObject);
begin
if(dm.tTipe.RecordCount<1)then
exit;
  if(MessageDlg('Hapus    Type
Kendaraan
'+dm.tTipe['n_type']+'
??',mtConfirmation,
  [mbYes,mbNo],0)=mrYes)then
  dm.tTipe.Delete;
end;

end.

//=======JENIS KENDARAAN====//

unit uJenis;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  ExtCtrls,  RzPanel,
DBCtrls,    StdCtrls,    Mask,
RzButton, Grids,
  DBGrids,    RzDBGrid,    DB,
ADODB;

type
  TfJenis = class(TForm)
```

```
    RzPanel1: TRzPanel;
    DBEdit3: TDBEdit;
    Label5: TLabel;
    luTipe: TDBLookupComboBox;
    Label1: TLabel;
    Tambah: TRzBitBtn;
    Ubah: TRzBitBtn;
    Hapus: TRzBitBtn;
    Simpan: TRzBitBtn;
    Batal: TRzBitBtn;
    RzDBGrid1: TRzDBGrid;
    DBEdit1: TDBEdit;
    Label2: TLabel;
    DBEdit2: TDBEdit;
    Label3: TLabel;
    ADOQuery1: TADOQuery;
    procedure
TambahClick(Sender: TObject);
    procedure
UbahClick(Sender: TObject);
    procedure
SimpanClick(Sender: TObject);
    procedure
BatalClick(Sender: TObject);
    procedure
luTipeClick(Sender: TObject);
    procedure
HapusClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fJenis: TfJenis;

implementation

uses uDm;

{$R *.dfm}
procedure
Endis(state:boolean);
begin
  with fJenis do
  begin
    RzDBGrid1.Enabled:=state;
    luTipe.ReadOnly:=state;
    DBEdit3.ReadOnly:=state;
    DBEdit1.ReadOnly:=state;
    DBEdit2.ReadOnly:=state;

    Tambah.Enabled:=state;
    Ubah.Enabled:=state;
    Hapus.Enabled:=state;
    Simpan.Enabled:=not state;
    Batal.Enabled:=not state;
  end;
end;

procedure
TfJenis.TambahClick(Sender:
TObject);
begin
Endis(false);
dm.tJenis.Append;
luTipe.SetFocus;
end;

procedure
TfJenis.UbahClick(Sender:
TObject);
begin
Endis(false);
dm.tJenis.Edit;
luTipe.SetFocus;
end;

procedure
TfJenis.SimpanClick(Sender:
TObject);
var
qr:TADOQuery;
sql:string;
jml:integer;
begin

if(length(trim(DBEdit2.Text))<
1)then
begin
   MessageDlg('Kode      Jenis
harus
diisi!!',mtWarning,[mbOK],0);
  exit;
```

```
end;
qr:=TADOQuery.Create(Applicati
on);
  sql:='select     count(*)jml
from        jenis        where
c_jenis="'+DBEdit2.Text+'"';
  qr.Connection:=dm.conn;
  qr.Close;
  qr.SQL.Text:=sql;
  qr.Open;
  jml:=qr['jml'];
  qr.Free;

if((dm.tJenis.State=dsInsert)a
nd(jml>0))then
  begin
    ShowMessage('Jenis
Kendaraan     dengan     kode
"'+DBEdit2.Text+'"       Sudah
Terdaftar!!');
    exit;
  end;
if
(length(luTipe.Text)<1)or(leng
th(trim(DBEdit3.Text))<1) then
begin
  MessageDlg('Type   Kendaraan
dan        Jenis        harus
diisi!!',mtWarning,[mbOK],0);
  exit;
end;

if    (length(DBEdit1.Text)<1)
then
begin
  MessageDlg('Harga      Tidak
Boleh
Kosong!!',mtWarning,[mbOK],0);
  exit;
end;
dm.tJenis.Post;

with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Jenis Kendaraan';

qlog.Parameters[2].Value:=tjen
isc_jenis.Value;
    qLog.ExecSQL;
  end;

Endis(true);
Tambah.SetFocus;
end;

procedure
TfJenis.BatalClick(Sender:
TObject);
begin
dm.tJenis.Cancel;
Endis(true);
end;

procedure
TfJenis.luTipeClick(Sender:
TObject);
begin
DBEdit3.SetFocus;
end;

procedure
TfJenis.HapusClick(Sender:
TObject);
var
confirm:integer;
begin
if     dm.tJenis.RecordCount<1
then
begin
  RzDBGrid1.SetFocus;
  exit;
end;
confirm:=MessageDlg('Anda
Yakin   Akan   Menghapus   Data
'+dm.tJenis['n_jenis']+'??',
mtConfirmation,[mbYes,mbNo],0)
;

  if confirm=mrYes then
  dm.tJenis.Delete;
```

```
  RzDBGrid1.SetFocus;

end;

end.

//=======KENDARAAN======//

unit uKendaraan;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  ExtCtrls,  RzPanel,
RzDBNav,    Grids,    DBGrids,
RzDBGrid, RzButton,
  DB, ADODB, StdCtrls;

type
  TfKendaraan = class(TForm)
    RzPanel1: TRzPanel;
    RzDBGrid1: TRzDBGrid;
    RzDBNavigator1:
TRzDBNavigator;
    RzGroupBox1: TRzGroupBox;
    RzPanel2: TRzPanel;
    Tambah: TRzBitBtn;
    Ubah: TRzBitBtn;
    Hapus: TRzBitBtn;
    qDelete: TADOQuery;
    eNopol: TEdit;
    cmbTipe: TComboBox;
    cbTipe: TCheckBox;
    cbNopol: TCheckBox;
    cbJenis: TCheckBox;
    cbTahun: TCheckBox;
    cmbTahun: TComboBox;
    cmbJenis: TComboBox;
    qTipe: TADOQuery;
    qJenis: TADOQuery;
    qTahun: TADOQuery;
    qTahuntahun: TWordField;
    RzBitBtn1: TRzBitBtn;
    procedure
TambahClick(Sender: TObject);
    procedure
UbahClick(Sender: TObject);
    procedure
HapusClick(Sender: TObject);
    procedure
cbNopolClick(Sender: TObject);
    procedure
cbTipeClick(Sender: TObject);
    procedure
cbJenisClick(Sender: TObject);
    procedure
cbTahunClick(Sender: TObject);
    procedure
eNopolChange(Sender: TObject);
    procedure
cmbTipeChange(Sender:
TObject);
    procedure
cmbJenisChange(Sender:
TObject);
    procedure
cmbTahunChange(Sender:
TObject);
    procedure
cmbTipeDropDown(Sender:
TObject);
    procedure
cmbJenisDropDown(Sender:
TObject);
    procedure
cmbTahunDropDown(Sender:
TObject);
    procedure
RzBitBtn1Click(Sender:
TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fKendaraan: TfKendaraan;

implementation
```

```
uses uDm, uKendaraan_add;

{$R *.dfm}

function
ReplaceApost(kalimat:string):s
tring;
var
temp:string;
posisi:integer;
begin
temp:=kalimat;
posisi:=pos('"',kalimat);
while posisi>0 do
begin
insert('\',temp,posisi);
insert('\',kalimat,posisi);
kalimat[pos('"',kalimat)]:='0'
;
posisi:=pos('"',kalimat);
end;
result:=temp;
end;

procedure Refres;
var
sql,nopol,tahun,tipe,jenis:Str
ing;
begin
sql:='SELECT
k.*,j.n_jenis,t.n_type,p.n_plg
'+
     'FROM kendaraan k   JOIN
jenis j      USING (c_jenis)
'+#13+
     'JOIN type_knd t   USING
(c_type)   JOIN pelanggan p
USING (c_plg) '+#13+
     'where 1 '+#13;
  with fkendaraan do
  begin
     if cbNopol.Checked then
     nopol:='and   k.no_polisi
like
"%'+ReplaceApost(trim(eNopol.T
ext))+'%" '+#13;

     if cbTahun.Checked then
     tahun:='and      k.tahun
="'+cmbTahun.Text+'" '+#13;

     if cbTipe.Checked then
     tipe:='and      t.n_type
="'+cmbTipe.Text+'" '+#13;

      if cbJenis.Checked then
     jenis:='and     j.n_jenis
="'+cmbJenis.Text+'" '+#13;


sql:=sql+nopol+tahun+tipe+jeni
s;
     with dm do
     begin
      qKendaraan.Close;

qKendaraan.SQL.Text:=sql;
      qKendaraan.Open;
     end;

  end;
end;

procedure
TfKendaraan.TambahClick(Sender
: TObject);
begin
with dm do
begin
  qKendaraan.Append;

  if
fkendaraan_add.ShowModal=mrOK
then
  begin
    qKendaraan.Post;
    qKendaraan.Close;
    qKendaraan.Open;

qKendaraan.Locate('no_polisi',
fKendaraan_add.nopol,[]);

    with dm do
  begin
```

```
qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Kendaraan';

qlog.Parameters[2].Value:=qKen
daraan['no_polisi'];
    qLog.ExecSQL;
  end;
  end
  else
  dm.qKendaraan.Cancel;

end;
end;

procedure
TfKendaraan.UbahClick(Sender:
TObject);
begin
   dm.qKendaraan.Edit;

if
fkendaraan_add.ShowModal=mrOK
then
begin
 dm.qKendaraan.Post;
 dm.qKendaraan.Close;
 dm.qKendaraan.Open;

dm.qKendaraan.Locate('no_polis
i',fKendaraan_add.nopol,[]);
 with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Kendaraan';

qlog.Parameters[2].Value:=qKen
daraan['no_polisi'];
    qLog.ExecSQL;
  end;
end
else dm.qKendaraan.Cancel;

end;

procedure
TfKendaraan.HapusClick(Sender:
TObject);
begin
  with dm do
  begin
    if
qKendaraan.RecordCount<1  then
exit;
    if  MessageDlg('Anda  Yakin
Akan      Menghapus      data
Kendaraan'+#13+
    qKendaraan['n_jenis']+'
dengan      Nomor      Polisi
'+qKendaraan['no_polisi']+'??'
,

mtConfirmation,[mbYES,mbNO],0)
=mrYes then
    begin

qDelete.Parameters[0].Value:=d
m.qKendaraan['no_polisi'];
      with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Kendaraan';

qlog.Parameters[2].Value:=qKen
daraan['no_polisi'];

    qLog.ExecSQL;
  end;
      qDelete.ExecSQL;
      qKendaraan.Close;
      qKendaraan.Open;

    end;
```

```
  end;
end;

procedure
TfKendaraan.cbNopolClick(Sende
r: TObject);
begin
if cbNopol.Checked then
begin
  eNopol.Enabled:=true;
  eNopol.SetFocus;
end
else eNopol.Enabled:=false;
Refres;
end;

procedure
TfKendaraan.cbTipeClick(Sender
: TObject);
begin
if cbTipe.Checked then
begin
   cmbTipe.Enabled:=true;
   cbJenis.Enabled:=true;
end
else
begin
  cbJenis.Checked:=false;
  cbJenisClick(nil);
  cbJenis.Enabled:=false;
  cmbTipe.Enabled:=false;
end;
Refres;
end;

procedure
TfKendaraan.cbJenisClick(Sende
r: TObject);
begin
   if   cbJenis.Checked   then
cmbJenis.Enabled:=true
else cmbJenis.Enabled:=false;

Refres;
end;

procedure
TfKendaraan.cbTahunClick(Sende
r: TObject);
begin
     if  cbTahun.Checked  then
cmbTahun.Enabled:=true
else cmbTahun.Enabled:=false;
Refres;
end;

procedure
TfKendaraan.eNopolChange(Sende
r: TObject);
begin
Refres;
end;

procedure
TfKendaraan.cmbTipeChange(Send
er: TObject);
begin
Refres;
end;

procedure
TfKendaraan.cmbJenisChange(Sen
der: TObject);
begin
Refres;
end;

procedure
TfKendaraan.cmbTahunChange(Sen
der: TObject);
begin
Refres;
end;

procedure
TfKendaraan.cmbTipeDropDown(Se
nder: TObject);
begin
  qTipe.Close;
  qTipe.Open;
  qTipe.First;
  cmbTipe.Clear;
  while qTipe.Eof=false do
  begin
```

```
cmbTipe.Items.Add(qTipe['n_typ
e']);
    qTipe.Next;
  end;
end;

procedure
TfKendaraan.cmbJenisDropDown(S
ender: TObject);
begin
  qJenis.Close;

qJenis.Parameters[0].Value:=cm
bTipe.Text;
  qJenis.Open;
  qJenis.First;
  cmbJenis.Clear;
  while qJenis.Eof=false do
  begin

cmbJenis.Items.Add(qJenis['n_j
enis']);
    qJenis.Next;
  end;
end;

procedure
TfKendaraan.cmbTahunDropDown(S
ender: TObject);
begin
qTahun.Close;
  qTahun.Open;
  qTahun.First;
  cmbTahun.Clear;
  while qTahun.Eof=false do
  begin

cmbTahun.Items.Add(qTahuntahun
.AsString);
    qTahun.Next;
  end;
end;

procedure
TfKendaraan.RzBitBtn1Click(Sen
der: TObject);
begin
Refres;
end;

end.

//=======SUKU CADANG========//

unit uPart;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  ExtCtrls,  RzPanel,
Grids,    DBGrids,    RzDBGrid,
RzDBNav, RzButton,
  StdCtrls, Mask, DBCtrls, DB,
ADODB;

type
  TfPart = class(TForm)
    RzPanel1: TRzPanel;
    RzPanel3: TRzPanel;
    RzDBGrid1: TRzDBGrid;
    DBEdit1: TDBEdit;
    DBEdit2: TDBEdit;
    DBEdit3: TDBEdit;
    Label4: TLabel;
    Label5: TLabel;
    Label6: TLabel;
    Tambah: TRzBitBtn;
    Ubah: TRzBitBtn;
    Hapus: TRzBitBtn;
    Simpan: TRzBitBtn;
    Batal: TRzBitBtn;
    navigator: TRzDBNavigator;
    luJenis:
TDBLookupComboBox;
    Label1: TLabel;
    qLastNo: TADOQuery;
    qLastNolastno:
TVarBytesField;
    Label2: TLabel;
    DBEdit4: TDBEdit;
    RzPanel2: TRzPanel;
```

```
    procedure
TambahClick(Sender: TObject);
    procedure
UbahClick(Sender: TObject);
    procedure
HapusClick(Sender: TObject);
    procedure
SimpanClick(Sender: TObject);
    procedure
BatalClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fPart: TfPart;

implementation

uses uDm;

{$R *.dfm}

function kodepart:string;
var
kode,lastno:string;
begin
  with fpart do
  begin

//if(length(trim(DBEdit4.Text)
)<11)then

result:=luJenis.KeyValue+'-
'+DBEdit4.Text
 // else
  //  result:=DBEdit4.Text;
 { qLastNo.Close;

qLastNo.Parameters[0].Value:=d
m.qPartc_jenis.AsString;
  qLastNo.Open;


lastno:=qLastNolastno.AsString
;
//kode:=UpperCase(copy(DBEdit1
.Text,1,2))+'-'+

//dm.qPartc_jenis.AsString+'-
'+lastno;
    result:=lastno; }
  end;
end;

Function LolosCek:boolean;
var
qr:TADOQuery;
sql:string;
jml:integer;
begin
LolosCek:=true;
  with fpart do
  begin


  if
length(trim(DBEdit4.Text))<1
then
    begin
      ShowMessage('Kode   Suku
Cadang Harus Isi!!');
      Result:=false;
      exit;
    end;


qr:=TADOQuery.Create(Applicati
on);
  qr.Connection:=dm.conn;
  sql:='select     count(*)jml
from     suku_cadang     where
c_part="'+DBEdit4.Text+'"';
  qr.Close;
  qr.SQL.Text:=sql;
  qr.Open;
  jml:= qr['jml'] ;
  qr.Free;


if((dm.qPart.State=dsInsert)an
d(jml>0))then
  begin
```

```
    ShowMessage('Suku   Cadang
dengan kode "'+DBEdit4.Text+'"
Sudah Terdaftar!!');
     Result:=false;
    exit;
  end;

    if
length(trim(DBEdit1.Text))<1
then
    begin
      ShowMessage('Nama   Suku
Cadang Harus Isi!!');
      Result:=false;
      exit;
    end;

    if
length(trim(luJenis.Text))<1
then
    begin
      ShowMessage('Silahkan
Pilih Jenis Kendaraan!!');
      Result:=false;
      exit;
    end;

    if
length(trim(DBEdit2.Text))<1
then
    begin
      ShowMessage('harga tidak
boleh kosong!! ');
      Result:=false;
      exit;
    end;

    if
length(trim(DBEdit2.Text))<1
then
    begin
      ShowMessage('Stok  Belum
terisi ');
      Result:=false;
      exit;
    end;
  end;
end;
```

```
procedure
Endis(state:boolean);
begin
  with fPart do
  begin

    RzDBGrid1.Enabled:=state;
    Navigator.Enabled:=state;

    DBEdit1.ReadOnly:=state;
    DBEdit2.ReadOnly:=state;
    DBEdit3.ReadOnly:=state;
    DBEdit4.ReadOnly:=state;
    luJenis.ReadOnly:=state;

    Tambah.Enabled:=state;
    Ubah.Enabled:=state;
    Hapus.Enabled:=state;
    Simpan.Enabled:=not state;
    Batal.Enabled:=not state;
  end;
end;

procedure
TfPart.TambahClick(Sender:
TObject);
begin
Endis(false);
dm.qPart.Append;
DBEdit1.SetFocus;
end;

procedure
TfPart.UbahClick(Sender:
TObject);
begin
Endis(false);
dm.qPart.Edit;
DBEdit1.SetFocus;
end;

procedure
TfPart.HapusClick(Sender:
TObject);
var
confirm:integer;
begin
```

```
if dm.qPart.RecordCount<1 then
begin
  RzDBGrid1.SetFocus;
  exit;
end;
confirm:=MessageDlg('Anda
Yakin Akan Menghapus Suku
Cadang
'+dm.qPartn_part.AsString+'??'
,
mtConfirmation,[mbYes,mbNo],0)
;

  if confirm=mrYes then
  dm.qPart.Delete;
  RzDBGrid1.SetFocus;
end;

procedure
TfPart.SimpanClick(Sender:
TObject);
var
locat:String;
begin
if LolosCek then
begin
if
(length(trim(DBEdit4.Text))<11
)   then
  //dm.qPart.state=dsinsert
then

dm.qPartc_part.Value:=kodepart
;

locat:=dm.qPartc_part.Value;
 dm.qPart.Post;
dm.qPart.Close;
dm.qPart.Open;
dm.qPart.Locate('c_part',locat
,[]);
Endis(true);
with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Suku Cadang';

qlog.Parameters[2].Value:=qPar
tc_part.Value;
    qLog.ExecSQL;
  end;

Tambah.SetFocus;
end;
end;

procedure
TfPart.BatalClick(Sender:
TObject);
begin
dm.qPart.Cancel;
Endis(true);
RzDBGrid1.SetFocus;
end;

end.

//========SERVIS========//

unit uServis;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  ExtCtrls,  RzPanel,
RzButton,  RzBckgnd,  StdCtrls,
Grids, DBGrids,
  RzDBGrid,  DB,  ADODB,  Mask,
DBCtrls, RzEdit;

type
  TfServis = class(TForm)
    RzPanel1: TRzPanel;
    eNopol: TEdit;
    Label1: TLabel;
    eKet: TEdit;
    Label2: TLabel;
    RzPanel2: TRzPanel;
```

```
    RzBackground1:
TRzBackground;
    Tambah: TRzBitBtn;
    Hapus: TRzBitBtn;
    Simpan: TRzBitBtn;
    Batal: TRzBitBtn;
    RzPanel3: TRzPanel;
    RzDBGrid1: TRzDBGrid;
    RzGroupBox1: TRzGroupBox;
    RzDBGrid2: TRzDBGrid;
    qServis: TADOQuery;
    DqServis: TDataSource;
    qJenis: TADOQuery;
    Label3: TLabel;
    ePemilik: TDBEdit;
    DqJenis: TDataSource;
    qServisd_servis:
TDateTimeField;
    qServisc_servis:
TStringField;
    qServisno_polisi:
TStringField;
    qServisn_jenis:
TStringField;
    qServisn_plg:
TStringField;
    qServisv_servis:
TFloatField;
    qServisv_sucad:
TFloatField;
    qServistotal: TFloatField;
    qServisc_plg:
TStringField;
    qInsServ: TADOQuery;
    DBText1: TDBText;
    qNoserv: TADOQuery;
    qServisket: TStringField;
    DtDetserv: TDataSource;
    qDel: TADOQuery;
    tDetserv: TADOQuery;
    RzBitBtn1: TRzBitBtn;
    qServisc_jenis:
TStringField;
    RzBitBtn2: TRzBitBtn;
    Label4: TLabel;
    qServisdiskon:
TFloatField;
    Label5: TLabel;
    eDiskon: TRzNumericEdit;
    qServissubtot:
TFloatField;
    procedure
TambahClick(Sender: TObject);
    procedure
SimpanClick(Sender: TObject);
    procedure
eNopolExit(Sender: TObject);
    procedure FormShow(Sender:
TObject);
    procedure
BatalClick(Sender: TObject);
    procedure
HapusClick(Sender: TObject);
    procedure
RzBitBtn1Click(Sender:
TObject);
    procedure
RzBitBtn2Click(Sender:
TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fServis: TfServis;

implementation

uses uDm, uDetserv, uqrServis,
uCariKnd, uqrFaktur;

{$R *.dfm}

procedure
Endis(state:boolean);
begin
  with fServis do
  begin

//RzDBGrid1.Enabled:=state;

    eNopol.ReadOnly:=state;
    eKet.ReadOnly:=state;
```

```
    RzBitBtn2.Enabled:=not
state;

    Tambah.Enabled:=state;
    //Ubah.Enabled:=state;
    Hapus.Enabled:=state;
    Simpan.Enabled:=not state;
    Batal.Enabled:=not state;
    eDiskon.Value:=0;
  end;
end;

procedure
TfServis.TambahClick(Sender:
TObject);
begin
Endis(false);
//dm.tJenis.Append;

eNopol.SetFocus;
end;

var
vnoserv:string;
procedure
TfServis.SimpanClick(Sender:
TObject);
begin
  if qJenis.RecordCount<1 then
  begin
    MessageDlg('Tidak      ada
kendaraan dengan Nomor Polisi
'+trim(eNopol.Text)+'!!',
    mtWarning,[mbOK],0);
    eNopol.SetFocus;
    exit;
  end;


qInsServ.Parameters[1].Value:=
trim(eNopol.Text);

qInsServ.Parameters[2].Value:=
dm.qUser['userid'];

qInsServ.Parameters[3].Value:=
trim(eKet.Text);

qInsServ.Parameters[4].Value:=
eDiskon.Value;
  //create nomor servis
  qNoserv.Close;

qNoserv.Parameters[0].Value:=t
rim(eNopol.Text);
  qNoserv.Open;
  vnoserv:=qNoserv['noserv'];


qInsServ.Parameters[0].Value:=
vnoserv;
  qInsServ.ExecSQL;
  qServis.Close;
  qServis.Open;

qServis.Locate('c_servis',vnos
erv,[]);

  //cleareng...
  eNopol.Clear;
  qJenis.Close;
  eKet.Clear;

  Endis(true);
  //tDetserv.Close;
  //tDetserv.Open;
  if
fdetserv.showmodal=MrCancel
then
  begin

qDel.Parameters[0].Value:=qSer
visc_servis.Value;
    qDel.ExecSQL;
  end
  else
  begin
    qServis.Close;
    qServis.Open;

qServis.Locate('c_servis',vnos
erv,[]);
  end;
  qServis.Close;
  qServis.Open;
```

```
qServis.Locate('c_servis',vnos
erv,[]);

end;

procedure
TfServis.eNopolExit(Sender:
TObject);
var
qr:TADOQuery;
begin
qr:=TADOQuery.Create(Applicati
on);
qr.Connection:=dm.conn;
qr.SQL.Text:='select  count(*)
as  jml  from  servis  where
no_polisi="'+trim(eNopol.Text)
+'"';
qr.Open;
//ShowMessage(FloatToStr(qr['j
ml']));
//ShowMessage(FloatToStr(qr['j
ml'] mod 5));
if((qr['jml']>0)and((qr['jml']
mod                  5)=0))then
eDiskon.Value:=20;
qr.free;

qJenis.Close;
qJenis.Parameters[0].Value:=tr
im(eNopol.Text);
qJenis.Open;
end;

procedure
TfServis.FormShow(Sender:
TObject);
begin
qServis.Close;
qServis.Open;
if  tDetserv.Active=False  then
tDetserv.Open;
end;

procedure
TfServis.BatalClick(Sender:
TObject);
begin
eNopol.Clear;
qJenis.Close;
eKet.Clear;
Endis(true);
end;

procedure
TfServis.HapusClick(Sender:
TObject);
begin
if qServis.RecordCount<1 then
exit;
  if  MessageDlg('Anda  Yakin
Akan  Menghapus  Data  Servis
ini??',mtConfirmation,[mbYes,m
bNo],0)=mrYes then
  begin

qDel.Parameters[0].Value:=qSer
visc_servis.Value;
    qDel.ExecSQL;
    qServis.Close;
    qServis.Open;
  end;
end;

procedure
TfServis.RzBitBtn1Click(Sender
: TObject);
begin

  qrFaktur.qServis.Close;

qrFaktur.qServis.Parameters[0]
.Value:=qServisc_servis.Value;
  qrFaktur.qServis.Open;
  if
qrFaktur.qDetserv.Active=false
then
  qrFaktur.qDetserv.Open;
  qrFaktur.preview;

end;

procedure
TfServis.RzBitBtn2Click(Sender
: TObject);
```

```
begin
if     fcariknd.showmodal=mrOk
then
eNopol.Text:=fCariKnd.qPartno_
polisi.Value;
eNopol.SetFocus;
ePemilik.SetFocus;
end;

end.
//=======DETAIL SERVIS======//

unit uDetserv;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,   StdCtrls,   Mask,
DBCtrls,   ExtCtrls,   RzPanel,
Grids, DBGrids,
  RzDBGrid,  RzButton,  RzEdit,
DB, ADODB;

type
  TfDetserv = class(TForm)
    RzPanel1: TRzPanel;
    RzGroupBox1: TRzGroupBox;
    Label1: TLabel;
    Label2: TLabel;
    Label4: TLabel;
    Label3: TLabel;
    DBEdit1: TDBEdit;
    DBEdit2: TDBEdit;
    DBEdit3: TDBEdit;
    DBEdit4: TDBEdit;
    DBEdit5: TDBEdit;
    RzGroupBox2: TRzGroupBox;
    Selesai: TRzBitBtn;
    Batal: TRzBitBtn;
    RzDBGrid1: TRzDBGrid;
    RzPanel2: TRzPanel;
    ePart: TEdit;
    Label5: TLabel;
    searchpart: TRzBitBtn;
    Label6: TLabel;
    eJumlah: TRzNumericEdit;
    Simpan: TRzBitBtn;
    Hapus: TRzBitBtn;
    qCekPart: TADOQuery;
    qCekGuna: TADOQuery;
    qdelpart: TADOQuery;
    Label7: TLabel;
    procedure
SimpanClick(Sender: TObject);
    procedure
searchpartClick(Sender:
TObject);
    procedure
HapusClick(Sender: TObject);
    procedure FormShow(Sender:
TObject);
    procedure
SelesaiClick(Sender: TObject);
    procedure
BatalClick(Sender: TObject);
    procedure
FormClose(Sender: TObject; var
Action: TCloseAction);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fDetserv: TfDetserv;

implementation

uses uServis, uCariPaert, uDm,
uqrServis;

{$R *.dfm}

procedure
TfDetserv.SimpanClick(Sender:
TObject);
begin

    qCekPart.Close;

qCekPart.Parameters[0].Value:=
fServis.qServis['c_jenis'];
```

```
qCekPart.Parameters[1].Value:=
trim(ePart.Text);
    qCekPart.Open;
    if  qCekPart.RecordCount<1
then
    begin
      MessageDlg('Data    Suku
Cadang                  Tidak
Ditemukan!!',mtWarning,[mbOK],
0);
      ePart.SetFocus;
      exit;
    end;

    if
qCekPart['stock']<eJumlah.IntV
alue then
    begin
      MessageDlg('Persediaan
Suku       Cadang       Tidak
Cukup!!',mtWarning,[mbOK],0);
      eJumlah.SetFocus;
      exit;
    end;

    qCekGuna.Close;

qCekGuna.Parameters[0].Value:=
fServis.qServisc_servis.Value;

qCekGuna.Parameters[1].Value:=
trim(ePart.Text);
    qCekGuna.Open;

    if  qCekGuna.RecordCount>0
then
    begin
      MessageDlg('Suku  Cadang
Sudah digunakan pada Transaksi
ini!!',mtWarning,[mbOK],0);
      ePart.SetFocus;
      exit;
    end;
  with fServis do
  begin
    tDetserv.Append;

tDetserv['c_servis']:=qServisc
_servis.Value;

tDetserv['c_part']:=trim(ePart
.Text);

tDetserv['v_part']:=qCekPart['
v_part'];

tDetserv['j_part']:=eJumlah.In
tValue;

    tDetserv.Post;

    with dm do
  begin

qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data Servis';

qlog.Parameters[2].Value:=tDet
serv['c_servis'];
    qLog.ExecSQL;
  end;

  end;
  ePart.Clear;
  eJumlah.Value:=1;
  ePart.SetFocus;
end;

procedure
TfDetserv.searchpartClick(Send
er: TObject);
begin

fCariPart.v_jenis:=fServis.qSe
rvisc_jenis.value;
 if   fCariPart.ShowModal=mrOK
then
 begin

ePart.Text:=fCariPart.qPart['c
_part'];
```

```
    eJumlah.SetFocus;
 end
 else ePart.SetFocus;
end;

procedure
TfDetserv.HapusClick(Sender:
TObject);
begin
with fServis do
begin
if tDetserv.RecordCount<1 then
exit;
  if  MessageDlg('Anda  tidak
jadi menggunakan suku cadang
ini??',mtConfirmation,[mbYes,m
bNo],0)=mrYes then
  begin

qdelpart.Parameters[0].Value:=
qServisc_servis.Value;

qdelpart.Parameters[1].Value:=
tDetserv['c_part'];
    qdelpart.ExecSQL;
    tDetserv.Close;
    tDetserv.Open;
    //tDetserv.Delete;
    ePart.SetFocus;
  end;
end;
end;

var
state:char;

procedure
TfDetserv.FormShow(Sender:
TObject);
begin
ePart.SetFocus;
state:='A';
end;


procedure
TfDetserv.SelesaiClick(Sender:
TObject);
begin
  if  MessageDlg('Anda  Yakin
Transaksi                Sudah
Selesai??',mtConfirmation,[mbY
ES,mbNO],0)=mrYes then
  begin
    state:='S';
    ModalResult:=mrOK;
  end;
end;

procedure
TfDetserv.BatalClick(Sender:
TObject);
begin
if MessageDlg('Anda Yakin Akan
Membatalkan
Transaksi??',mtConfirmation,[m
bYES,mbNO],0)=mrYes then
  begin
    state:='S';
    ModalResult:=mrCancel;
  end;
end;

procedure
TfDetserv.FormClose(Sender:
TObject;     var     Action:
TCloseAction);
begin
if       state='A'       then
Action:=caNone
end;

end.
//======HISTORY SERVIS======//

unit uHistory;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  StdCtrls,  Grids,
DBGrids,  RzDBGrid,  RzButton,
DB, ADODB;
```

```
type
  TfHistory = class(TForm)
    ekode: TEdit;
    Label1: TLabel;
    Cariplg: TRzBitBtn;
    RzDBGrid1: TRzDBGrid;
    CariHis: TRzBitBtn;
    qServis: TADOQuery;
    qServisd_servis:
TDateTimeField;
    qServisc_servis:
TStringField;
    qServisno_polisi:
TStringField;
    qServisn_jenis:
TStringField;
    qServisn_plg:
TStringField;
    qServisv_servis:
TFloatField;
    qServisv_sucad:
TFloatField;
    qServistotal: TFloatField;
    qServisc_plg:
TStringField;
    qServisket: TStringField;
    qServisc_jenis:
TStringField;
    DqServis: TDataSource;
    RzDBGrid2: TRzDBGrid;
    DtDetserv: TDataSource;
    tDetserv: TADOQuery;
    Label2: TLabel;
    procedure
CariplgClick(Sender: TObject);
    procedure
CariHisClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fHistory: TfHistory;

implementation

uses uDm, uCariPlg;

{$R *.dfm}

procedure
TfHistory.CariplgClick(Sender:
TObject);
begin
if     fcariplg.ShowModal=mrOK
then
  begin

ekode.Text:=fCariPlg.qCariPlg[
'c_plg'];
    CariHisClick(nil);
  end
end;

procedure
TfHistory.CariHisClick(Sender:
TObject);
begin
  qServis.Close;

qServis.Parameters[0].Value:=e
kode.Text;
  qServis.Open;
end;

end.

//=======PENENTUAN======//

unit uPenentuan;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,   Grids,   DBGrids,
RzDBGrid,  RzButton,  StdCtrls,
ExtCtrls, RzPanel,
  RzPrgres, DB, ADODB;

type
```

```
  TfPenentuan = class(TForm)
    RzPanel1: TRzPanel;
    RzBitBtn1: TRzBitBtn;
    RzDBGrid1: TRzDBGrid;
    RzPanel2: TRzPanel;
    RzBitBtn3: TRzBitBtn;
    qTentu: TADOQuery;
    ProgressBar1:
TRzProgressBar;
    dsTentu: TDataSource;
    qHistory: TADOQuery;
    DqHistory: TDataSource;
    RzDBGrid2: TRzDBGrid;
    Label1: TLabel;
    qTentuc_part:
TStringField;
    qTentun_part:
TStringField;
    qTentutahun: TWordField;
    qHistoryc_part:
TStringField;
    qHistoryTerpakai:
TLargeintField;
    qHistoryjml:
TVarBytesField;
    qHistoryjumlah:
TStringField;
    qHistorytahun:
TLargeintField;
    qHistoryDSDesigner:
TVarBytesField;
    qTentujumlah:
TLargeintField;
    procedure
RzBitBtn1Click(Sender:
TObject);
    procedure penentuan;
    procedure
RzBitBtn3Click(Sender:
TObject);
    procedure
qHistoryCalcFields(DataSet:
TDataSet);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fPenentuan: TfPenentuan;

implementation

uses uDm;

{$R *.dfm}


procedure
TfPenentuan.Penentuan;
var
X,totX:integer;

begin
end;

procedure
TfPenentuan.RzBitBtn1Click(Sen
der: TObject);
var
qr,qi:TADOQuery;
tahun,sql:string;
jRec:integer;
begin
qTentu.Close;
qHistory.Close;


qr:=TADOQuery.Create(Applicati
on);
  qr.Connection:=dm.conn;
  qr.Close;
  qr.SQL.Text:='SELECT
MAX(YEAR(d_servis))+1    tahun
FROM servis';
  qr.Open; // ShowMessage('');

tahun:=inttostr(qr['tahun']);

  qr.Close;
  qr.SQL.Text:='delete    from
penentuan';
  qr.ExecSQL;

  qr.Close;
```

```
  qr.SQL.Text:='select  c_part
from suku_cadang';
  qr.Open;
  qr.First;


ProgressBar1.TotalParts:=qr.Re
cordCount;

ProgressBar1.PartsComplete:=0;


qi:=TADOQuery.Create(Applicati
on);
  qi.Connection:=dm.conn;

  while not qr.Eof do
  begin
     sql:='CALL
InsertPersediaan("'+qr['c_part
']+'","'+tahun+'");';
     qi.SQL.Text:=sql;
     qi.ExecSQL;
     qr.Next;

ProgressBar1.IncPartsByOne;
  end;

  qr.Free;
  qi.Free;

  qTentu.Open;
  qHistory.Open;




end;

procedure
TfPenentuan.RzBitBtn3Click(Sen
der: TObject);
begin
close;
end;
```

```
procedure
TfPenentuan.qHistoryCalcFields
(DataSet: TDataSet);
begin
qHistoryjumlah.AsString:=qHist
oryjml.AsString;
end;

end.

//======CARI KENDARAAN======//

unit uCariKnd;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  DB,  ADODB,  Grids,
DBGrids,  RzDBGrid,  RzButton,
StdCtrls,
  ExtCtrls, RzPanel;

type
  TfCariKnd = class(TForm)
    RzPanel1: TRzPanel;
    eCari: TEdit;
    Cari: TRzBitBtn;
    RzPanel2: TRzPanel;
    OK: TRzBitBtn;
    Batal: TRzBitBtn;
    RzDBGrid1: TRzDBGrid;
    qPart: TADOQuery;
    DqPart: TDataSource;
    qPartc_jenis:
TStringField;
    qPartno_polisi:
TStringField;
    qPartc_plg: TStringField;
    qParttahun: TWordField;
    qPartc_type: TStringField;
    qPartn_jenis:
TStringField;
    qPartv_servis:
TFloatField;
```

```
    procedure
CariClick(Sender: TObject);
    procedure
eCariChange(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fCariKnd: TfCariKnd;

implementation

{$R *.dfm}

procedure
TfCariKnd.CariClick(Sender:
TObject);
begin
qPart.Close;
//qPart.Parameters[0].Value:=v
_jenis;
qPart.Parameters[0].Value:='%'
+trim(eCari.Text)+'%';
qPart.Open;
end;

procedure
TfCariKnd.eCariChange(Sender:
TObject);
begin
CariClick(nil);
end;

end.

//=====CARI PELANGGAN=====//

unit uCariPlg;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,   Grids,   DBGrids,
RzDBGrid,  ExtCtrls,  RzPanel,
StdCtrls, DB, ADODB,
  RzButton;

type
  TfCariPlg = class(TForm)
    RzPanel1: TRzPanel;
    RzPanel2: TRzPanel;
    RzDBGrid1: TRzDBGrid;
    Label1: TLabel;
    eCari: TEdit;
    qCariPlg: TADOQuery;
    bRefresh: TRzBitBtn;
    DqCariPlg: TDataSource;
    RzBitBtn1: TRzBitBtn;
    RzBitBtn2: TRzBitBtn;
    procedure FormShow(Sender:
TObject);
    procedure
bRefreshClick(Sender:
TObject);
    procedure
RzDBGrid1DblClick(Sender:
TObject);
    procedure
eCariChange(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fCariPlg: TfCariPlg;

implementation

uses uDm;

{$R *.dfm}

procedure
TfCariPlg.FormShow(Sender:
TObject);
begin
eCari.SetFocus;
bRefreshClick(nil);
```

```
end;

procedure
TfCariPlg.bRefreshClick(Sender
: TObject);
begin
qCariPlg.Close;
qCariPlg.Parameters[0].Value:=
'%'+trim(eCari.Text)+'%';
qCariPlg.Open;
end;

procedure
TfCariPlg.RzDBGrid1DblClick(Se
nder: TObject);
begin
ModalResult:=mrOK;
end;

procedure
TfCariPlg.eCariChange(Sender:
TObject);
begin
bRefreshClick(nil);
end;

end.

//=====CARI SUKU CADANG====//

unit uCariPaert;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,      DB,      ADODB,
RzButton,   StdCtrls,   Grids,
DBGrids, RzDBGrid,
  ExtCtrls, RzPanel;

type
  TfCariPart = class(TForm)
    RzPanel1: TRzPanel;
    RzPanel2: TRzPanel;
    RzDBGrid1: TRzDBGrid;
    eCari: TEdit;
    Cari: TRzBitBtn;
    qPart: TADOQuery;
    DqPart: TDataSource;
    OK: TRzBitBtn;
    Batal: TRzBitBtn;
    procedure
CariClick(Sender: TObject);
    procedure  OKClick(Sender:
TObject);
    procedure FormShow(Sender:
TObject);
    procedure
eCariChange(Sender: TObject);
    procedure
RzDBGrid1DblClick(Sender:
TObject);
    procedure
RzDBGrid1KeyDown(Sender:
TObject; var Key: Word;
      Shift: TShiftState);
  private
    { Private declarations }
  public
    { Public declarations }
   v_jenis, cpart:string;

  end;

var
  fCariPart: TfCariPart;

implementation

uses uDm;

{$R *.dfm}

procedure
TfCariPart.CariClick(Sender:
TObject);
begin
qPart.Close;
qPart.Parameters[0].Value:=v_j
enis;
qPart.Parameters[1].Value:='%'
+trim(eCari.Text)+'%';
qPart.Open;
```

```
end;

procedure
TfCariPart.OKClick(Sender:
TObject);
begin
cpart:=qPart['c_part'];
end;

procedure
TfCariPart.FormShow(Sender:
TObject);
begin
eCari.SetFocus;
CariClick(nil);
end;

procedure
TfCariPart.eCariChange(Sender:
TObject);
begin
CariClick(nil);
end;

procedure
TfCariPart.RzDBGrid1DblClick(S
ender: TObject);
begin
  cpart:=qPart['c_part'];
  ModalResult:=MrOk;
end;

procedure
TfCariPart.RzDBGrid1KeyDown(Se
nder: TObject; var Key: Word;
  Shift: TShiftState);
begin
if key=vk_return then
begin
  cpart:=qPart['c_part'];
  ModalResult:=MrOk;
end;
end;

end.

//=====TAMBAH KENDARAAN====//
```

```
unit uKendaraan_add;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,  ExtCtrls,  RzPanel,
RzButton,  DBCtrls,  StdCtrls,
Mask, DB, ADODB;

type
  TfKendaraan_add            =
class(TForm)
    RzPanel1: TRzPanel;
    RzPanel2: TRzPanel;
    RzGroupBox1: TRzGroupBox;
    Label1: TLabel;
    Label2: TLabel;
    Label3: TLabel;
    Label4: TLabel;
    DBEdit1: TDBEdit;
    DBEdit4: TDBEdit;
    luJenis:
TDBLookupComboBox;
    DBEdit2: TDBEdit;
    Simpan: TRzBitBtn;
    Batal: TRzBitBtn;
    LoadPlg: TRzBitBtn;
    qCekPlg: TADOQuery;
    qCekKnd: TADOQuery;
    procedure
SimpanClick(Sender: TObject);
    procedure FormShow(Sender:
TObject);
    procedure
LoadPlgClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
    nopol:string;
  end;

var
  fKendaraan_add:
TfKendaraan_add;
```

```
implementation

uses uDm, uCariPlg;

{$R *.dfm}

function LolosCek:boolean;
begin
  LolosCek:=true;
  with fKendaraan_add do
  begin
    if
length(trim(DBEdit1.Text))<1
then
    begin
      ShowMessage('Nomor
Polisi Harus Diisi!!');
      DBEdit1.SetFocus;
      Result:=false;
      exit;
    end;

    if
dm.qKendaraan.state=dsInsert
then
    begin
      qCekKnd.Close;

qCekKnd.Parameters[0].Value:=t
rim(DBEdit1.Text);
      qCekKnd.Open;
      if qCekKnd.RecordCount>0
then
      begin
        ShowMessage('Data
Kendaraan dengan Nomor Polisi
'+qCekKnd['no_polisi']+#13+
         'Sudah Ada!!');
        DBEdit1.SetFocus;
        Result:=false;
        exit;
      end;
    end;

    if
length(trim(luJenis.Text))<1
then
    begin
      ShowMessage('Silahkan
Pilih Jenis Kendaraan!!');
      luJenis.SetFocus;
      Result:=false;
      exit;
    end;
    if
length(trim(DBEdit2.Text))<1
then
    begin
      ShowMessage('Kode
Pelanggan Harus Diisi!!');
      DBEdit2.SetFocus;
      Result:=false;
      exit;
    end;

    qCekPlg.Close;

qCekPlg.Parameters[0].Value:=t
rim(DBEdit2.Text);
    qCekPlg.Open;

    if   qCekPlg.RecordCount<1
then
    begin
      ShowMessage('Data
Pelanggan     Dengan     Kode
'+DBEdit2.Text+#13+
       'Tidak Ditemukan!!');
        DBEdit2.SetFocus;
      Result:=false;
      exit;
    end;

    if  length(DBEdit4.Text)>0
then
    begin
      if
(dm.qKendaraan['tahun']<1900)o
r(dm.qKendaraan['tahun']>2500)
then
      begin
        ShowMessage('Lihat
Penulisan
Tahun!!'+#13#13+'Kami     Rasa
Anda Terlalu Berlebihan!!');
```

```
        DBEdit4.SetFocus;
      Result:=false;
      exit;
      end;
    end;
  end;
end;

procedure
TfKendaraan_add.SimpanClick(Se
nder: TObject);
begin
nopol:=trim(DBEdit1.Text);
if        LolosCek        then
ModalResult:=mrOK
//else DBEdit1.SetFocus;
end;

procedure
TfKendaraan_add.FormShow(Sende
r: TObject);
begin
DBEdit1.SetFocus;
end;

procedure
TfKendaraan_add.LoadPlgClick(S
ender: TObject);
begin
  if   fcariplg.ShowModal=mrOK
then
  begin

dm.qKendaraan['c_plg']:=fCariP
lg.qCariPlg['c_plg'];
    DBEdit4.SetFocus;
  end
  else
  DBEdit2.SetFocus;
end;

end.

//=======USER========//

unit uUser;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,   StdCtrls,   Grids,
DBGrids,  RzDBGrid,  DB,  Mask,
DBCtrls, RzDBNav,
  ADODB,  RzBckgnd,  ExtCtrls,
RzPanel, RzButton;

type
  TfUser = class(TForm)
    RzPanel1: TRzPanel;
    RzBackground1:
TRzBackground;
    Label1: TLabel;
    qUser: TADOQuery;
    tUser: TADOTable;
    Navigator: TRzDBNavigator;
    Label3: TLabel;
    DBEdit1: TDBEdit;
    DtUser: TDataSource;
    Label4: TLabel;
    Label5: TLabel;
    RzDBGrid1: TRzDBGrid;
    ePass: TEdit;
    Tambah: TRzBitBtn;
    Ubah: TRzBitBtn;
    Hapus: TRzBitBtn;
    Simpan: TRzBitBtn;
    Batal: TRzBitBtn;
    DBEdit2: TDBEdit;
    tUseruserid: TStringField;
    tUserpass: TStringField;
    tUserusername:
TStringField;
    tUsernip: TStringField;
    Label2: TLabel;
    Label6: TLabel;
    DBEdit3: TDBEdit;
    DBComboBox1: TDBComboBox;
    tUseruser_type:
TStringField;
    procedure
TambahClick(Sender: TObject);
    procedure
SimpanClick(Sender: TObject);
```

```
    procedure
UbahClick(Sender: TObject);
    procedure
BatalClick(Sender: TObject);
    procedure
HapusClick(Sender: TObject);
    procedure FormShow(Sender:
TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fUser: TfUser;

implementation

uses uDm;

{$R *.dfm}

procedure
Endis(state:boolean);
begin
  with fUser do
  begin
    RzDBGrid1.Enabled:=state;
    Navigator.Enabled:=state;

    DBEdit1.ReadOnly:=state;
    ePass.ReadOnly:=state;
    //DBEdit2.ReadOnly:=state;
   // DBEdit3.ReadOnly:=state;
    //DBEdit4.ReadOnly:=state;

    Tambah.Enabled:=state;
    Ubah.Enabled:=state;
    Hapus.Enabled:=state;
    Simpan.Enabled:=not state;
    Batal.Enabled:=not state;
  end;
end;

procedure
TfUser.TambahClick(Sender:
TObject);
begin
Endis(false);
tUser.Append;
DBEdit1.SetFocus;
end;

procedure
TfUser.SimpanClick(Sender:
TObject);
begin
  if tUser.State=dsInsert then
  begin
    if    length(ePass.Text)<1
then
    begin
      ShowMessage('Password
Tidak Boleh Kosong!!');
      ePass.SetFocus;
      exit;
    end;

tUserpass.Value:=ePass.Text;
  end;

   if tUser.State=dsEdit then
  begin
    if    length(ePass.Text)>0
then
    begin

tUserpass.Value:=ePass.Text;
    end;
  end;

  if
length(Trim(DBEdit1.Text))<1
then
  begin
    ShowMessage('User ID Tidak
Boleh Kosong!!');
      DBEdit1.SetFocus;
      exit;
  end;
tUser.Post;

with dm do
  begin
```

```
qlog.Parameters[0].Value:=qUse
r['userid'];

qlog.Parameters[1].Value:='Men
gupdate Data User';

qlog.Parameters[2].Value:=tUse
rpass.Value;
    qLog.ExecSQL;
  end;

ePass.Clear;
Endis(true);
end;

procedure
TfUser.UbahClick(Sender:
TObject);
begin
Endis(false);
tUser.Edit;
DBEdit1.ReadOnly:=true;
ePass.SetFocus;
end;

procedure
TfUser.BatalClick(Sender:
TObject);
begin
tUser.Cancel;
Endis(true);
end;

procedure
TfUser.HapusClick(Sender:
TObject);
begin
if
tUseruser_type.Value='Admin'
then
begin
  ShowMessage('SUper     Admin
Tidak Dapat Dihapus!!');
  exit;
end;
if MessageDlg('Anda Yakin Akan
Menghapus      Data      User
ini??',mtConfirmation,[mbYes,m
bNo],0)=mrYEs then
tUser.Delete;
end;

procedure
TfUser.FormShow(Sender:
TObject);
begin
if tUser.Active=false then
tUser.Open;
end;

end.

//========LOG USER=========//

unit uLogUser;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs,      DB,      ADODB,
StdCtrls,  DBCtrls,  RzDBCmbo,
Grids, DBGrids, RzDBGrid;

type
  TfLogUser = class(TForm)
    ADOQuery1: TADOQuery;
    RzDBGrid1: TRzDBGrid;
    tUsers: TADOTable;
    luUser:
TRzDBLookupComboBox;
    dtuser: TDataSource;
    DataSource2: TDataSource;
    Label1: TLabel;
    procedure
luUserCloseUp(Sender:
TObject);
    procedure
Label1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
```

```
  end;

var
  fLogUser: TfLogUser;

implementation

uses uDm;

{$R *.dfm}

procedure
TfLogUser.luUserCloseUp(Sender
: TObject);
var
sql,where:string;
begin
if(luUser.Text<>'')then
where:='                    and
userid="'+luUser.KeyValue+'"'
else where:='';
sql:='select * from users_log
where  1  '+where+'order  by
waktu desc';
ADOQuery1.Close;
ADOQuery1.SQL.Text:=sql;
ADOQuery1.Open;

end;


procedure
TfLogUser.Label1Click(Sender:
TObject);
begin

end;

end.

//======GANTI PASSWORD=====//

unit uGantiPass;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs, RzButton, StdCtrls,
DB, ADODB, ExtCtrls, RzPanel;

type
  TfGantiPass = class(TForm)
    Label1: TLabel;
    Label2: TLabel;
    Label3: TLabel;
    ePassl: TEdit;
    ePassb: TEdit;
    ePassbb: TEdit;
    RzBitBtn1: TRzBitBtn;
    qGantiPass: TADOQuery;
    RzPanel1: TRzPanel;
    RzPanel3: TRzPanel;
    RzPanel2: TRzPanel;
    procedure
RzBitBtn1Click(Sender:
TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fGantiPass: TfGantiPass;

implementation

uses uDm;

{$R *.dfm}

procedure
TfGantiPass.RzBitBtn1Click(Sen
der: TObject);
var
sql:string;
begin

  with dm do
  begin
```

```
     sql:='select * from users
where
userid="'+qUser['userid']+
          '"               and
pass=md5("'+ePassl.Text+'")';
    qGantiPass.Close;
    qGantiPass.SQL.Text:=sql;
    qGantiPass.Open;
    if
qGantiPass.RecordCount=1 then
    begin
       if
ePassb.Text=ePassbb.Text
then//jika    password    baru
serupa
       begin
          sql:='update   users
set
pass=md5("'+ePassb.Text+'")'+
          'where
userid="'+qUser['userid']+'"';
          qGantiPass.Close;

qGantiPass.SQL.Text:=sql;
          qGantiPass.ExecSQL;

ShowMessage('Password     Baru
Berhasil Disimpan!!');
       end
       else
       begin
        ShowMessage('Password
Baru Tidak Sama!!');
       end;

    end
    else
    begin
      ShowMessage('Password
Lama Salah!!');
    end;


  end;
end;

end.
```

```
//===KLASIFIKASI LAPORAN===//

unit uLaporanKlas;

interface

uses
  Windows, Messages, SysUtils,
Variants,  Classes,  Graphics,
Controls, Forms,
  Dialogs, RzButton, ExtCtrls,
RzPanel, DB, ADODB, StdCtrls;

type
  TfLaporanKlas = class(TForm)
    RzPanel1: TRzPanel;
    RzBitBtn2: TRzBitBtn;
    rbTahun: TRadioButton;
    cbtahun: TComboBox;
    cbBulan: TComboBox;
    rbBulan: TRadioButton;
    rbtanggal: TRadioButton;
    cbTanggal: TComboBox;
    ADOQuery1: TADOQuery;
    RzBitBtn1: TRzBitBtn;
    rbSemua: TRadioButton;

    procedure
rbTahunClick(Sender: TObject);
    procedure
rbBulanClick(Sender: TObject);
    procedure
rbtanggalClick(Sender:
TObject);
    procedure
cbtahunDropDown(Sender:
TObject);
    procedure
cbBulanDropDown(Sender:
TObject);
    procedure
cbTanggalDropDown(Sender:
TObject);
    procedure
cbtahunChange(Sender:
TObject);
```

```
    procedure
cbBulanChange(Sender:
TObject);
    procedure
rbSemuaClick(Sender: TObject);
    procedure
RzBitBtn1Click(Sender:
TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  fLaporanKlas: TfLaporanKlas;

implementation

uses uDm;

{$R *.dfm}


procedure list_tahun;
var
qr:TADOQuery;
sql:string;
begin
sql:='select
distinct(year(d_servis))tahun
from servis order by tahun ';
qr:=TADOQuery.Create(Applicati
on);
qr.Connection:=dm.conn;
qr.SQL.Text:=sql;
qr.Open;
qr.First;

  with fLaporanKlas do
  begin cbtahun.Clear;
      while not qr.Eof do
      begin


cbtahun.Items.Add(qr['tahun'])
;
        qr.Next;
      end;
      qr.Free;
  end;

end;

procedure
list_bulan(tahun:string);
var
qr:TADOQuery;
sql:string;
begin {
sql:='select
distinct(monthname(d_servis))b
ulan from servis  '+
'where
year(d_servis)="'+tahun+'"
order by bulan ';
qr:=TADOQuery.Create(Applicati
on);
qr.Connection:=dm.conn;
qr.SQL.Text:=sql;
qr.Open;
qr.First;

  with fLaporanKlas do
  begin  cbbulan.Clear;
      while not qr.Eof do
      begin


cbbulan.Items.Add(qr['bulan'])
;
        qr.Next;
      end;
      qr.Free;
  end;
       }
end;

procedure
list_tanggal(tahun:string;bula
n:string);
var
qr:TADOQuery;
sql:string;
begin
```

```
sql:='select
distinct(date_format(d_servis,
"%d"))tanggal from servis  '+
'where
year(d_servis)="'+tahun+'" and
monthname(d_servis)="'+bulan+'
"'+
' order by tanggal ';
qr:=TADOQuery.Create(Applicati
on);
qr.Connection:=dm.conn;
qr.SQL.Text:=sql;
qr.Open;
qr.First;

  with fLaporanKlas do
  begin    cbTanggal.Clear;
      while not qr.Eof do
      begin


cbTanggal.Items.Add(qr['tangga
l']);
        qr.Next;
      end;
      qr.Free;
  end;

end;




procedure
TfLaporanKlas.rbTahunClick(Sen
der: TObject);
begin
  if rbTahun.Checked then
  begin
    cbtahun.Enabled:=true;
    cbBulan.Enabled:=false;
    cbTanggal.Enabled:=false;
    list_tahun;
  end;
end;
```

```
procedure
TfLaporanKlas.rbBulanClick(Sen
der: TObject);
begin
if rbBulan.Checked then
  begin
    cbtahun.Enabled:=true;
    cbBulan.Enabled:=true;
    cbTanggal.Enabled:=false;
    list_bulan(cbtahun.Text);
  end;
end;

procedure
TfLaporanKlas.rbtanggalClick(S
ender: TObject);
begin
if rbtanggal.Checked then
  begin
    cbtahun.Enabled:=true;
    cbBulan.Enabled:=true;
    cbTanggal.Enabled:=true;

list_tanggal(cbtahun.Text,cbBu
lan.Text);
  end;
end;

procedure
TfLaporanKlas.cbtahunDropDown(
Sender: TObject);
begin
list_tahun;
end;

procedure
TfLaporanKlas.cbBulanDropDown(
Sender: TObject);
begin
//list_bulan(cbtahun.Text);
end;

procedure
TfLaporanKlas.cbTanggalDropDow
n(Sender: TObject);
begin
list_tanggal(cbtahun.Text,cbBu
lan.Text);
```

```
end;

procedure
TfLaporanKlas.cbtahunChange(Se
nder: TObject);
begin
list_bulan(cbtahun.Text);
list_tanggal(cbtahun.Text,cbBu
lan.Text);
end;

procedure
TfLaporanKlas.cbBulanChange(Se
nder: TObject);
begin
list_tanggal(cbtahun.Text,cbBu
lan.Text);
end;

procedure
TfLaporanKlas.rbSemuaClick(Sen
der: TObject);
begin
cbtahun.Enabled:=false;
    cbBulan.Enabled:=false;
    cbTanggal.Enabled:=false;
end;

procedure
TfLaporanKlas.RzBitBtn1Click(S
ender: TObject);
begin
dm.qPart.Close;
dm.qPart.Open;
end;

end.

//========DM=========//

unit uDm;

interface

uses
  SysUtils,    Classes,    DB,
ADODB;

type
  Tdm = class(TDataModule)
    conn: TADOConnection;
    qPelanggan: TADOQuery;
    DqPelanggan: TDataSource;
    tTipe: TADOTable;
    DtTipe: TDataSource;
    tJenis: TADOTable;
    DtJenis: TDataSource;
    tJenisc_type:
TStringField;
    tJenisn_jenis:
TStringField;
    qKendaraan: TADOQuery;
    DqKendaraan: TDataSource;
    qPart: TADOQuery;
    DqPart: TDataSource;
    qPartn_part: TStringField;
    qPartv_part: TFloatField;
    qPartstock: TIntegerField;
    qPartn_suku: TStringField;
    qUser: TADOQuery;
    tJenisv_servis:
TFloatField;
    qPartc_jenis:
TStringField;
    qPartc_part: TStringField;
    qPelangganc_plg:
TStringField;
    qPelanggann_plg:
TStringField;
    qPelangganalamat:
TStringField;
    qPelanggantlp:
TStringField;
    qLog: TADOQuery;
    tJenisc_jenis:
TStringField;
    procedure
DataModuleCreate(Sender:
TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
```

```
  dm: Tdm;

implementation

{$R *.dfm}

procedure
Tdm.DataModuleCreate(Sender:
TObject);
begin

end;

end.

//=======FAKTUR SERVIS=====//

unit uqrFaktur;

interface

uses    Windows,    SysUtils,
Messages,  Classes,  Graphics,
Controls,
  StdCtrls,  ExtCtrls,  Forms,
QuickRpt, QRCtrls, DB, ADODB;

type
  TqrFaktur = class(TQuickRep)
    DetailBand1: TQRBand;
    QRLabel5: TQRLabel;
    QRDBText1: TQRDBText;
    QRLabel6: TQRLabel;
    QRDBText2: TQRDBText;
    QRShape1: TQRShape;
    QRLabel8: TQRLabel;
    QRShape2: TQRShape;
    QRLabel9: TQRLabel;
    QRShape3: TQRShape;
    QRLabel10: TQRLabel;
    QRShape4: TQRShape;
    QRLabel11: TQRLabel;
    QRShape5: TQRShape;
    QRLabel12: TQRLabel;
    QRLabel13: TQRLabel;
    QRDBText8: TQRDBText;
    QRLabel14: TQRLabel;
    QRDBText9: TQRDBText;
    QRLabel15: TQRLabel;
    QRDBText10: TQRDBText;
    QRLabel16: TQRLabel;
    QRDBText11: TQRDBText;
    QRLabel19: TQRLabel;
    QRDBText14: TQRDBText;
    QRShape11: TQRShape;
    QRLabel7: TQRLabel;
    QRBand1: TQRBand;
    QRLabel1: TQRLabel;
    QRLabel2: TQRLabel;
    QRBand2: TQRBand;
    QRLabel4: TQRLabel;
    QRSubDetail1:
TQRSubDetail;
    QRShape6: TQRShape;
    QRShape7: TQRShape;
    QRShape8: TQRShape;
    QRShape9: TQRShape;
    QRShape10: TQRShape;
    QRDBText4: TQRDBText;
    QRDBText5: TQRDBText;
    QRDBText6: TQRDBText;
    QRDBText7: TQRDBText;
    QRDBText3: TQRDBText;
    QRShape12: TQRShape;
    QRDBText12: TQRDBText;
    qServis: TADOQuery;
    qServisd_servis:
TDateTimeField;
    qServisc_servis:
TStringField;
    qServisno_polisi:
TStringField;
    qServisn_jenis:
TStringField;
    qServisn_plg:
TStringField;
    qServisv_servis:
TFloatField;
    qServisv_sucad:
TFloatField;
    qServistotal: TFloatField;
    qServisc_plg:
TStringField;
    qServisket: TStringField;
    qServisusername:
TStringField;
```

```
    qServisc_jenis:
TStringField;
    tDetserv: TADOTable;
    tDetservc_servis:
TStringField;
    tDetservc_part:
TStringField;
    tDetservv_part:
TFloatField;
    tDetservj_part:
TIntegerField;
    tDetservSubtotal:
TFloatField;
    tDetservnorec:
TIntegerField;
    DqServis: TDataSource;
    QRLabel3: TQRLabel;
    QRDBText13: TQRDBText;
    QRLabel17: TQRLabel;
    ADOTable1: TADOTable;
    ADOTable1c_part:
TStringField;
    ADOTable1c_jenis:
TStringField;
    ADOTable1n_part:
TStringField;
    ADOTable1v_part:
TFloatField;
    ADOTable1stock:
TIntegerField;
    DataSource1: TDataSource;
    tDetservrtrt:
TStringField;
    procedure
tDetservCalcFields(DataSet:
TDataSet);
    procedure
QRLabel4Print(sender: TObject;
var Value: String);
  private

  public

  end;

var
  qrFaktur: TqrFaktur;
```

```
implementation

uses uDm;

{$R *.DFM}

procedure
TqrFaktur.tDetservCalcFields(D
ataSet: TDataSet);
begin
tDetservSubtotal.Value:=tDetse
rvj_part.Value*tDetservv_part.
Value;
end;

procedure
TqrFaktur.QRLabel4Print(sender
: TObject; var Value: String);
begin

end;

end.

//======LAPORAN SERVIS======//

unit uqrServis;

interface

uses    Windows,    SysUtils,
Messages,  Classes,  Graphics,
Controls,
  StdCtrls,  ExtCtrls,  Forms,
QuickRpt, QRCtrls, DB, ADODB,
jpeg;

type
  TqrServis = class(TQuickRep)
    DetailBand1: TQRBand;
    QRBand1: TQRBand;
    QRLabel1: TQRLabel;
    QRLabel2: TQRLabel;
    QRBand2: TQRBand;
    QRLabel3: TQRLabel;
    QRLabel4: TQRLabel;
    qServis: TADOQuery;
```

```
    qServisd_servis:
TDateTimeField;
    qServisc_servis:
TStringField;
    qServisno_polisi:
TStringField;
    qServisn_jenis:
TStringField;
    qServisn_plg:
TStringField;
    qServisv_servis:
TFloatField;
    qServisv_sucad:
TFloatField;
    qServistotal: TFloatField;
    qServisc_plg:
TStringField;
    qServisket: TStringField;
    DqServis: TDataSource;
    QRSubDetail1:
TQRSubDetail;
    QRLabel5: TQRLabel;
    QRDBText1: TQRDBText;
    QRLabel6: TQRLabel;
    QRDBText2: TQRDBText;
    qServisusername:
TStringField;
    QRShape1: TQRShape;
    QRLabel8: TQRLabel;
    QRShape2: TQRShape;
    QRLabel9: TQRLabel;
    QRShape3: TQRShape;
    QRLabel10: TQRLabel;
    QRShape4: TQRShape;
    QRLabel11: TQRLabel;
    QRShape5: TQRShape;
    QRLabel12: TQRLabel;
    QRShape6: TQRShape;
    QRShape7: TQRShape;
    QRShape8: TQRShape;
    QRShape9: TQRShape;
    QRShape10: TQRShape;
    QRDBText4: TQRDBText;
    QRDBText5: TQRDBText;
    QRDBText6: TQRDBText;
    QRDBText7: TQRDBText;
    QRLabel13: TQRLabel;
    QRDBText8: TQRDBText;
    QRLabel14: TQRLabel;
    QRDBText9: TQRDBText;
    QRLabel15: TQRLabel;
    QRDBText10: TQRDBText;
    QRLabel16: TQRLabel;
    QRDBText11: TQRDBText;
    QRLabel19: TQRLabel;
    QRDBText14: TQRDBText;
    QRDBText3: TQRDBText;
    QRShape11: TQRShape;
    QRLabel7: TQRLabel;
    QRShape12: TQRShape;
    QRDBText12: TQRDBText;
    qServisc_jenis:
TStringField;
    PageFooterBand1: TQRBand;
    QRLabel17: TQRLabel;
    QRLabel18: TQRLabel;
    QRLabel20: TQRLabel;
    QRLabel21: TQRLabel;
    QRLabel22: TQRLabel;
    QRLabel23: TQRLabel;
    QRLabel24: TQRLabel;
    QRLabel25: TQRLabel;
    lTahun: TQRLabel;
    lBulan: TQRLabel;
    ltanggal: TQRLabel;
    liTahun: TQRLabel;
    liTgl: TQRLabel;
    liBulan: TQRLabel;
    QRImage1: TQRImage;
    QRLabel26: TQRLabel;
    tDetserv: TADOTable;
    tDetservc_servis:
TStringField;
    tDetservc_part:
TStringField;
    tDetservv_part:
TFloatField;
    tDetservj_part:
TIntegerField;
    tDetservSubtotal:
TFloatField;
    tDetservnorec:
TIntegerField;
    tDetservn_part:
TStringField;
```

```
    procedure
tDetservCalcFields(DataSet:
TDataSet);
    procedure
QRLabel4Print(sender: TObject;
var Value: String);
  private

  public

  end;

var
  qrServis: TqrServis;

implementation

uses uDm;

{$R *.DFM}

procedure
TqrServis.tDetservCalcFields(D
ataSet: TDataSet);
begin
tDetservSubtotal.Value:=tDetse
rvj_part.Value*tDetservv_part.
Value;
tDetservnorec.Value:=tDetserv.
RecNo;
end;

procedure
TqrServis.QRLabel4Print(sender
: TObject; var Value: String);
begin

end;

end.
```

LAMPIRAN B

HASIL KUISIONER

Kuisioner Sistem Informasi Pengolahan Data Servis Kendaraan

Di Bengkel Agung Perkasa Motor

Nama : Wisnu

Jabatan : Kep. Administrasi

1. Aplikasi dapat membantu mengolah data servis kendaraan ?

   ☐ Sangat Membantu ☐ Ragu-ragu ☐ Sangat tidak Membantu

   ☑ Membantu ☐ Tidak Membantu

2. Aplikasi dapat membantu memberikan informasi history servis ?

   ☐ Sangat Membantu ☑ Ragu-ragu ☐ Sangat tidak Membantu

   ☐ Membantu ☐ Tidak Membantu

3. Aplikasi dapat membantu memberikan gambaran penentuan persediaan ?

   ☐ Sangat Membantu ☑ Ragu-ragu ☐ Sangat tidak Membantu

   ☐ Membantu ☐ Tidak Membantu

4. Apilkasi yang dibangun sudah sesuai dengan kebutuhan?

   ☐ Sangat Sesuai ☐ Ragu-ragu ☐ Sangat tidak Sesuai

   ☑ Sesuai ☐ Tidak Sesuai

5. Aplikasi yang dibangun mudah digunakan ?

   ☐ Sangat Mudah ☐ Ragu-ragu ☐ Sangat tidak Mudah

   ☑ Mudah ☐ Tidak Mudah

6. Halaman aplikasi sudah terstruktur dengan baik?

   ☐ Sangat Baik ☐ Ragu-ragu ☐ Sangat tidak Baik

   ☑ Baik ☐ Tidak Baik

Bandung, Januari 2011

(Wisnu)

Kuisioner Sistem Informasi Pengolahan Data Servis Kendaraan

Di Bengkel Agung Perkasa Motor

Nama : Aseni

Jabatan : Administrasi

1. Aplikasi dapat membantu mengolah data servis kendaraan ?

   ☑ Sangat Membantu ☐ Ragu-ragu ☐ Sangat tidak Membantu

   ☐ Membantu ☐ Tidak Membantu

2. Aplikasi dapat membantu memberikan informasi history servis ?

   ☐ Sangat Membantu ☐ Ragu-ragu ☐ Sangat tidak Membantu

   ☑ Membantu ☐ Tidak Membantu

3. Aplikasi dapat membantu memberikan gambaran penentuan persediaan ?

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   ☐ Sangat Baik ☐ Ragu-ragu ☐ Sangat tidak Baik

   ☑ Baik ☐ Tidak Baik

Bandung, Januari 2011

(Aseni)

Kuisioner Sistem Informasi Pengolahan Data Servis Kendaraan

Di Bengkel Agung Perkasa Motor

Nama : Budi

Jabatan : Administrasi

1. Aplikasi dapat membantu mengolah data servis kendaraan ?

   ☐ Sangat Membantu ☐ Ragu-ragu ☐ Sangat tidak Membantu
   ☑ Membantu ☐ Tidak Membantu

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   ☐ Mudah ☐ Tidak Mudah

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   ☐ Sangat Baik ☐ Ragu-ragu ☐ Sangat tidak Baik
   ☑ Baik ☐ Tidak Baik

Bandung, Januari 2011

(Budi)

Kuisioner Sistem Informasi Pengolahan Data Servis Kendaraan

Di Bengkel Agung Perkasa Motor

Nama : Puput

Jabatan : Administrasi

1. Aplikasi dapat membantu mengolah data servis kendaraan ?

   ☐ Sangat Membantu ☐ Ragu-ragu ☐ Sangat tidak Membantu

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   ☐ Sangat Baik ☐ Ragu-ragu ☐ Sangat tidak Baik

   ☑ Baik ☐ Tidak Baik

Bandung, Januari 2011

(Puput. N.)

LAMPIRAN C

SURAT PENELITIAN

YAMAHA

Nomor : 0173/S/ADM/WK/IV/2010
Lamp. : -
Perihal : Persetujuan Penelitian

Kepada Yth :
Ketua Jurusan Teknik Informatika
Universitas Komputer Indonesia (UNIKOM) Bandung
Jl. Dipatiukur 114-116
Bandung

Dengan Hormat,

Sehubungan surat No. 154/LP-SI/TIF-FTIK/UNIKOM/III/2010 perihal permohonan pengadaan penelitian dalam rangka penyusunan tugas akhir atas nama:

Nama	:	Minggus Freddy T
NIM	:	10105117
Jurusan	:	Teknik Informatika
Program Studi	:	S1
Topik/ Materi Pokok	:	Sistem Informasi

Maka dengan ini kami beritahukan bahwa kami dapat menyetujui permohonan tersebut sejak tanggal ditetapkannya surat ini.
Demikian pemberitahuan dari kami, atas perhatian dan kerjasama yang diberikan kami ucapkan terima kasih.

Cikarang, 15 April 2010
Hormat kami

AGUNG PERKASA MOTOR
Jl. Yos Sudarso Cikarang
Telp. 8901357 - 8903085

YOAN SANJAYA

PT. AGUNG PERKASA MANDIRI MOTOR
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