DAFTAR PUSTAKA

Anik, Trisniayanti..2006. *Membangun SMS Gateway Untuk Sistem Aplikasi Pengisian Pulsa Elektronik Berbasis Web.* Yogyakarta: Fakultas Teknologi Industri Universitas Islam Indonesia

Fathansyah, ir., 2002. *Basis Data.* Bandung: Informatika

Malik, Jaja Jamaludin., 2005. *Kumpulan Latihan Pemrograman DELPHI.* Yogyakarta: Andi

Prayogo, dwi., *Sms Gateway di XP dengan Gammu.* 11 desember 2009

http://dwiprayogo.wordpress.com/2008/12/06/sms-gateway-di-xp-dengan-gammu/

Prihatini, E., 2006. *Aspek Keamanan Pada Jalur Komunikasi Short Message Service.* Bandung

Utdirartatmo, F., *Mengelola Database Server MySQL di Linux dan Windows.* Yogyakarta: Andi

Wicaksono, M.T., 2007. *Pemrograman SMS interaktif berbasis java.* Jakarta: Elex Media Komputindo.

Yunianto, 2006 *Membangun Apikasi SMS gateway di LINUX.* Jakarta: Dian Rakyat.

http://www.gammu.org/

Listing Program Form Utama

```
unit Utama;

interface

uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics,
Controls, Forms,
  Dialogs, Buttons, ExtCtrls, Menus, DB, ADODB, StdCtrls, jpeg;

type
  TForm1 = class(TForm)
    Panel1: TPanel;
    Panel2: TPanel;
    Bthotel: TSpeedButton;
    btfas: TSpeedButton;
    btmember: TSpeedButton;
    Btsms: TSpeedButton;
    ADOConnection1: TADOConnection;
    ADOCA: TADOCommand;
    ADOQA: TADOQuery;
    Timer1: TTimer;
    Image1: TImage;
    btsmstest: TSpeedButton;
    procedure BthotelClick(Sender: TObject);
    procedure btfasClick(Sender: TObject);
    procedure Button1Click(Sender: TObject);
    procedure Timer1Timer(Sender: TObject);
    procedure btmemberClick(Sender: TObject);
    procedure BtsmsClick(Sender: TObject);
    procedure btsmstestClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  Form1: TForm1;

implementation

uses Uhotel, Unit4, Unit6, Unit7, Unit8;

{$R *.dfm}


procedure TForm1.BthotelClick(Sender: TObject);
begin
  hotel :=thotel.Create(self);   //memanggil krn blm diciptakan
```

```
  hotel.show;
end;


procedure TForm1.btfasClick(Sender: TObject);
begin
   form4 :=tform4.Create(self);
   form4.show;
end;


procedure TForm1.Button1Click(Sender: TObject);
begin
   form6.showmodal;
end;

procedure TForm1.Timer1Timer(Sender: TObject);
var notelp,pesan: string;
begin
   ADOQA.SQL.Text:= 'select * from inbox';
   ADOQA.Open;
   ADOQA.First;
   while not ADOQA.Eof do
   begin
     notelp:= ADOQA['SenderNumber'];
     pesan:= ADOQA['TextDecoded'];
     //copy sms ke tsms_masuk
     ADOCA.CommandText:= 'insert into tsms_masuk (notelp,pesan)
values '+

'('+QuotedStr(notelp)+','+QuotedStr(pesan)+')';
     ADOCA.Execute;

     //baca isi sms
     form6.kirimsms(notelp,form6.HasilSms(pesan,notelp));

     //hapus sms dari inbox
     ADOCA.CommandText:= 'delete from inbox where ID =
'+IntToStr(ADOQA['ID']);
     ADOCA.Execute;

     ADOQA.Next;
   end;
end;


procedure TForm1.btmemberClick(Sender: TObject);
begin
   form7 :=tform7.Create(self);
   form7.show;
end;
```

```
procedure TForm1.BtsmsClick(Sender: TObject);
begin
  form8 :=tform8.Create(self);
  form8.show;
end;


procedure TForm1.btsmstestClick(Sender: TObject);
begin
  form6.showmodal;
end;

end.
```

Listing Program Form Hotel

```
unit Uhotel;

interface

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

type
  Thotel = class(TForm)
    Label1: TLabel;
    Edit1: TEdit;
    Btcari: TButton;
    DBGrid1: TDBGrid;
    Bttambah: TButton;
    Btedit: TButton;
    Bthapus: TButton;
    ADOC1: TADOCommand;
    ADOQ1: TADOQuery;
    DataSource1: TDataSource;
    procedure BttambahClick(Sender: TObject);
    procedure BteditClick(Sender: TObject);
    procedure BtcariClick(Sender: TObject);
    procedure BthapusClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  hotel: Thotel;
```

```
implementation

uses Uutama, uhotelinput;

{$R *.dfm}

procedure Thotel.BttambahClick(Sender: TObject);
begin
   form3.baru:=true;
   form3.showmodal;
end;


procedure Thotel.BteditClick(Sender: TObject);
begin
   form3.gidhotel:= inttostr(ADOQ1['id_hotel']);
   form3.baru:=false;
   form3.showmodal;
end;


procedure Thotel.BtcariClick(Sender: TObject);
   begin
     ADOQ1.SQL.Text:='select *from thotel'+
                     ' where nama like ' +
                     quotedstr('%'+edit1.Text+'%');
     ADOQ1.Open;
   end;


procedure Thotel.BthapusClick(Sender: TObject);
   begin
     if ADOQ1.Recordcount <=0 then
     exit;
     if application.MessageBox('yakin ingin menghapus ? ',
'PERHATIAN' , mb_yesno or mb_iconquestion)= mrNo then
     exit;
     ADOC1.CommandText:= 'delete from thotel where id_hotel =
'+inttostr(ADOQ1['id_hotel']);
     ADOC1.Execute;
     BtcariClick(sender);
   end;

end.
```
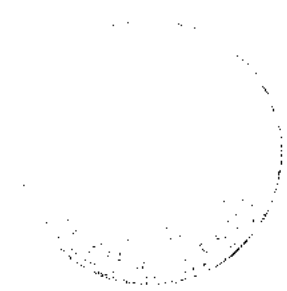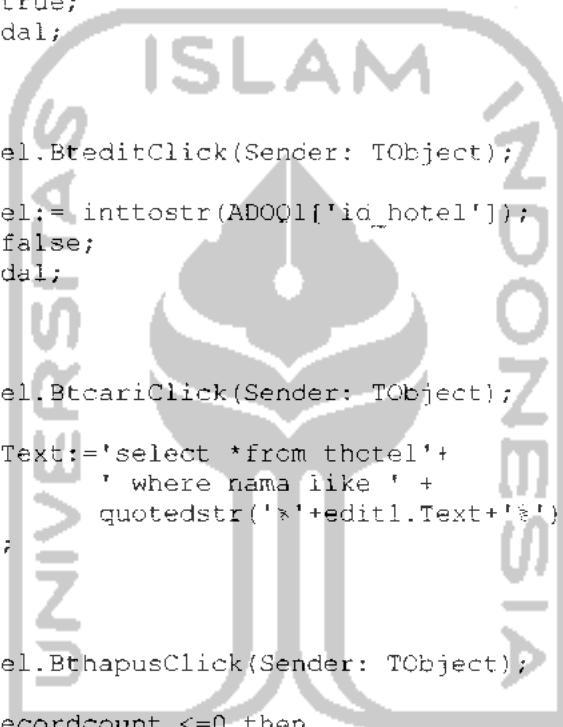
Listing Program Form Input Hotel

```
unit uhotelinput;

interface

uses
  Windows, Messages, SysUtils, Variants, Classes, Graphics,
Controls, Forms,
  Dialogs, StdCtrls;

type
  TForm3 = class(TForm)
    Label1: TLabel;
    Label2: TLabel;
    Label3: TLabel;
    Label4: TLabel;
    ednama: TEdit;
    edalamat: TEdit;
    edtelp: TEdit;
    edhp: TEdit;
    Btsimpan: TButton;
    Btkeluar: TButton;
    Edlokasi: TEdit;
    Label5: TLabel;
    procedure BtkeluarClick(Sender: TObject);
    procedure BtsimpanClick(Sender: TObject);
    procedure FormShow(Sender: TObject);
  private
    { Private declarations }
  public
  baru:boolean;
  gidhotel:string;
    { Public declarations }
  end;

var
  Form3: TForm3;

implementation

uses Uhotel;

{$R *.dfm}

procedure TForm3.BtkeluarClick(Sender: TObject);
begin
  form3.Close;
end;
```

```pascal
procedure TForm3.BtsimpanClick(Sender: TObject);
begin
  if (trim(ednama.Text)='')or(trim(edalamat.text)='')or
(trim(edtelp.text)= '')or (trim(edlokasi.text)= '')then
    begin
      showmessage('Silahkan lengkapi isian');
      exit;
    end;
  if baru = true then
    begin  //tambah baru
      with hotel do
        begin
          ADOC1.CommandText:= 'insert into thotel
(nama,alamat,telp,handphone,lokasi)values ' +
('+quotedstr(ednama.text)+','+quotedstr(edalamat.text)+','+quotedstr
(edtelp.text)+','+quotedstr(edhp.text)+','+quotedstr(edlokasi.text)+
')';
          ADOC1.execute;
        end;
    end
  else
  begin  //edit data lama
    with hotel do
      begin
        ADOC1.CommandText:= 'update thotel set '+
                           'nama = '+quotedstr(ednama.text)+','+
                           'alamat =
'+quotedstr(edalamat.text)+','+
                           'telp = '+quotedstr(edtelp.text)+','+
                           'handphone ='+quotedstr(edhp.text)+','+
                           'lokasi ='+quotedstr(edlokasi.text)+' '+
                           'where id_hotel= '+gidhotel;
        ADOC1.execute;
      end;
  end;
  hotel.Btcariclick(sender);
  ednama.Text:='';
  edalamat.Text:='';
  edtelp.Text:='';
  edhp.Text:='';
  edlokasi.Text:='';
  ednama.SetFocus;
  if baru = false then
  close;
end;


procedure TForm3.FormShow(Sender: TObject);
begin
if baru= false then
  begin
```

```
    with hotel do
      begin
        ednama.Text:= ADOQ1['nama'];
        edalamat.Text:= ADOQ1['alamat'];
        edtelp.Text:= ADOQ1['telp'];
        edhp.Text:= ADOQ1['handphone'];
        edlokasi.Text:= ADOQ1['lokasi'];
      end;
  end;

end;

end.
```

Listing Program Form fasilitas

```
unit Unit4;

interface

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

type
  TForm4 = class(TForm)
    Label1: TLabel;
    Edit1: TEdit;
    Btcari: TButton;
    en: TDBGrid;
    Btfasilitas: TButton;
    ADOC1: TADOCommand;
    ADOQ1: TADOQuery;
    DataSource1: TDataSource;
    procedure BtcariClick(Sender: TObject);
    procedure BtfasilitasClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  Form4: TForm4;

implementation

uses Unit5;

{$R *.dfm}
```

```
procedure TForm4.BtcariClick(Sender: TObject);
begin
   ADOQ1.SQL.Text:='select *from thotel'+
                   ' where nama like ' +
                   quotedstr('%'+edit1.Text+'%');
   ADOQ1.Open;
end;


procedure TForm4.BtfasilitasClick(Sender: TObject);
begin
   form5.showmodal;
end;

end.

Listing Program Form Input Fasilitas

unit Unit5;

interface

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

type
   TForm5 = class(TForm)
     Label1: TLabel;
     Label2: TLabel;
     Label3: TLabel;
     Label4: TLabel;
     Btsimpan: TButton;
     Bthapus: TButton;
     Btbatal: TButton;
     Btkeluar: TButton;
     Ednamahotel: TEdit;
     Edkelas: TEdit;
     EdHarga: TEdit;
     Edfas: TEdit;
     DBGrid1: TDBGrid;
     ADOC2: TADOCommand;
     ADOQ2: TADOQuery;
     DataSource1: TDataSource;
     Edjumlah: TEdit;
     Label5: TLabel;
     procedure BtkeluarClick(Sender: TObject);
     procedure FormShow(Sender: TObject);
     procedure BtbatalClick(Sender: TObject);
     procedure BtsimpanClick(Sender: TObject);
     procedure DBGrid1DblClick(Sender: TObject);
```
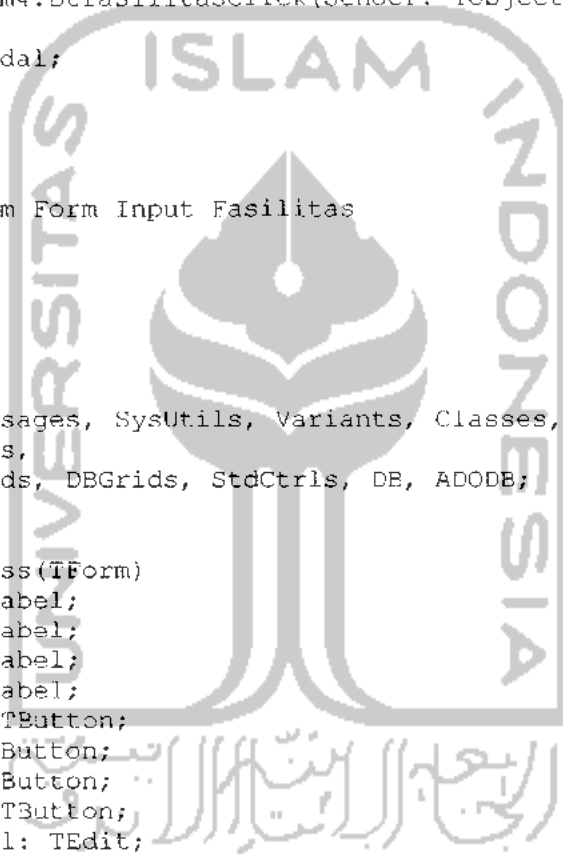
```pascal
    procedure BthapusClick(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  Form5: TForm5;

implementation

uses Unit4, Uutama;

{$R *.dfm}

procedure TForm5.BtkeluarClick(Sender: TObject);
begin
  close;
end;


procedure TForm5.FormShow(Sender: TObject);
begin
  EdNamaHotel.Text:= form4.ADOQ1['nama'];
  ADOQ2.SQL.Text:= 'select * from fasilitas  where id_hotel = ' +
inttostr(form4.ADOQ1['id_hotel']);
  ADOQ2.Open;
end;

procedure TForm5.BtbatalClick(Sender: TObject);
begin
  EdKelas.Text:= '' ;
  EdHarga.Text:='' ;
  edFas.Text:='' ;
  edjumlah.Text:='';
  edKelas.Enabled:=true;
  edKelas.setfocus;
end;

procedure TForm5.BtsimpanClick(Sender: TObject);
begin
  if (trim(edKelas.Text)='') or   (trim(edHarga.Text)='')   or
(trim(edFas.Text)='') or   (trim(edJumlah.Text)='')then
    begin
      showmessage('Tidak boleh ada isian kosong') ;
      exit;
    end;
  if ADOQ2.Locate('kelas',edKelas.text,[loCaseInsensitive])=true
then
    begin       //edit
      ADOC2.CommandText:= 'update fasilitas set '+
```

```
                               'harga =
'+edHarga.Text+'',jumlah_kamar-'+edjumlah.Text+',fasilitas='+quotedst
r(edFas.text)+ ' ' +
                               'where kelas = '+quotedstr(edKelas.text);

        ADOC2.Execute;
      end
    else
      begin
        //tambah
        ADOC2.CommandText:= 'insert into fasilitas (id_hotel,kelas,
harga, fasilitas,jumlah_kamar,jumlah_pakai) values '+
        '('+inttostr
(form4.ADOQ1['id_hotel'])+','+quotedstr(edKelas.text)+','+
        edHarga.text +','+quotedstr(edFas.Text)+','+
edJumlah.Text+','+ edJumlah.Text+')';
        ADOC2.execute;
      end;
    ADOQ2.Close;
    ADOQ2.Open;
    btbatalclick(sender);
end;


procedure TForm5.DBGrid1DblClick(Sender: TObject);
begin
  edKelas.Text:= ADOQ2['kelas'];
  edHarga.Text:= ADOQ2['harga'];
  edFas.Text:= ADOQ2['fasilitas'];
  edjumlah.Text:= ADOQ2['jumlah_kamar'];
  edkelas.enabled:= false;
end;


procedure TForm5.BthapusClick(Sender: TObject);
begin
if edKelas.Enabled=false then
  begin
    if application.MessageBox('Yakin ingin menhapus ?',
'PERHATIAN',MB_YESNO or MB_ICONQUESTION)= mryes then
      begin
        ADOC2.CommandText:= 'delete from fasilitas '+
                            'where kelas ='+quotedstr(edkelas.Text);
        ADOC2.Execute;
        ADOQ2.Close;
        ADOQ2.open;
        btbatalclick(sender);
      end;
  end;
end;


end.
```

Listing Program form kirim sms

```pascal
unit Unit6;

interface

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

type
  TForm6 = class(TForm)
    Edit1: TEdit;
    Button1: TButton;
    Memo1: TMemo;
    ADOQ1: TADOQuery;
    ADOC1: TADOCommand;
    ADOQ2: TADOQuery;
    procedure Button1Click(Sender: TObject);
  private
    { Private declarations }
  public
  function HasilSms(isisms,noTelp:string):string;
  function jumlahkata(isisms:string):integer;
  function carihotel(isisms:string):string;
  function carifasilitas(isisms:string):string;
  function KataKe(kalimat :string; n : integer) :string;
  function KataKeB(kalimat :string; n : integer) :string;
  function carilokasi :string;
  procedure kirimsms(notelp,isisms:string);
    { Public declarations }
  end;

var
  Form6: TForm6;

implementation

uses Uutama, StrUtils;

{$R *.dfm}
function tform6.jumlahkata(isisms:string):integer;
var sms :string;
    n:Integer;
begin
  n:=0;
  sms:=trim(isisms);
  while pos(' ',sms )>0 do
  begin
    n:=n+1;
    delete(sms,1,pos(' ',sms));
```

```
      sms:=trim(sms);
    end;
    result:=n+1;
end;




function TForm6.KataKe(kalimat :string; n : integer) :string;
  var i: integer;
begin
  if jumlahkata(kalimat) < n then
    result:= ''
  else
    begin
      i:=0;
      kalimat:= trim(kalimat) + ' ' ;
      while  pos(' ' , kalimat) >0 do
        begin
          inc(i);
          if i=n then
            begin
              result := Trim(leftstr(kalimat, pos(' ',kalimat)));
              break;
            end;
              delete(kalimat, 1 , pos(' ',kalimat));
              kalimat:=Trim(kalimat)+ ' ';
        end;

    end;
end;




function TForm6.KataKeB(kalimat :string; n : integer) :string;
  var kata: string;
begin
    kalimat := StringReplace(kalimat,' ','_',[rfReplaceAll]);
    kalimat  := StringReplace(kalimat,'#',' ',[rfReplaceAll]) ;
    kata:= katake(kalimat,n);
    result:= StringReplace(kata,'_',' ',[rfReplaceAll]);
end;




function tform6.carilokasi:string;
begin
  ADOQ1.sql.text:='select DISTINCT lokasi from thotel order by
lokasi';
  ADOQ1.open;
  ADOQ1.first;
  while not ADOQ1.eof do
    begin
```

```
        result:=result +ADOQ1['lokasi']+#13#10;
        ADOQ1.next;
      end;
end;


function tform6.carihotel(isisms:string):string;
var kata : string;
begin
   kata := KataKe(isisms,2);
   ADOQ1.sql.text:='select * from thotel where lokasi =
'+quotedstr(kata);    //cari hotel berdasarkan lokasi
   ADOQ1.open;
   if ADOQ1.RecordCount > 0 then
     begin
       ADOQ1.first;
       while not ADOQ1.eof do
         begin
           result:=result +ADOQ1['nama']+#13#10;
           ADOQ1.next;
         end;
     end
   else
     begin
       kata:=katake(isisms,2);     //cari hotel berdasarkan harga
       ADOQ1.SQL.Text:='select a.*,b.nama from fasilitas a '+
                    'left join thotel b on b.id_hotel =a.id_hotel '+
                    'where a.harga like '+quotedstr('%'+kata+'%');
// ='+kata;   untuk yg sama
       ADOQ1.Open;
       if ADOQ1.RecordCount <=0 then
         result := 'hotel dengan info tersebut tidak ditemukan, ketik
HOTEL utk INFO' // untuk data tidak ditemukan
       else
         begin
           ADOQ1.First;
           while not ADOQ1.Eof do
           begin
           result:= result  +ADOQ1['nama'] +' ' +ADOQ1['kelas']+'
Rp.'+ADOQ1['harga']+#13#10;
             ADOQ1.Next;
           end;
         end;
     end;
end;



function tform6.carifasilitas(isisms:string):string;
var a,b:string;
begin
```

```
    result:='';
    ADOQ1.SQL.Text:='select b.* from thotel a '+
                    'left join fasilitas b on b.id_hotel= a.id_hotel
'+
                    'where a.nama like '+quotedstr(trim(isisms));
    ADOQ1.Open;
    if ADOQ1.RecordCount <=0 then
       result :='format SMS salah ketik HOTEL untuk informasi '
       else
       begin
          ADOQ1.First;
          while not ADOQ1.Eof do
          begin
            if ADOQ1['id_kamar']= null then
            a :=''
            else a:= inttostr(ADOQ1['id_kamar']);
            if ADOQ1['kelas']=null then
            b:='kosong'
            else b:= ADOQ1['kelas'];
            result := result + b +' jml kamar
'+IntToStr(ADOQ1['jumlah_pakai'])+''+ #13#10 ;
          ADOQ1.Next;
          end;
       end;

end;


function tform6.HasilSms(isisms,noTelp:string):string;
var kata,kata2,telphotel: string;
    jumlah: integer;
begin
  if jumlahkata(isisms)= 1 then
  begin
    if UpperCase(trim (isisms) )='HOTEL' then
    begin //mencari data lokasi hotel
        result := carilokasi+'(Utk info ketik HOTEL<spasi>LOKASI cth:
HOTEL kaliurang)';
    end
    else
    begin //cari data fasilitas
        result:=carifasilitas(isisms)+'(utk info harga cth: ARTHA
VIP)'+#13#10;
    end;
  end
  else
  if jumlahkata(isisms) = 2 then
  begin
    if uppercase (katake(isisms,1))= 'HOTEL' then
    //melihat daftar hotel
    begin
```

```
    //kata:=katake(isisms,2);
    result:=carihotel(isisms)+ '(ketik nama hotel untuk info, cth:
ARTHA)';
  end
  else if uppercase (katake(isisms,1))= 'INFO' then      //untuk
melihat info alamat hotel
  begin
    kata:=katake(isisms,2);
    ADOQ1.SQL.Text:='select * from thotel where
nama='+QuotedStr(kata);
    ADOQ1.Open;
    if ADOQ1.RecordCount <=0 then
      result := 'Format SMS salah ketik HOTEL untuk informasi '
      else
      result :='Info hotel '+ADOQ1['nama']+#13#10+'Alamat '
+ADOQ1['alamat']+#13#10+'telp '+ADOQ1['telp'];

  end

  else if pos('#' , katake(isisms, 2)) <=0 then
  begin //lihat fasilitas dan harga
  ADOQ1.SQL.Text:='select b.* from thotel a '+
            'inner join fasilitas b on b.id_hotel
=a.id_hotel '+
            'where a.nama like '+quotedstr(katake(isisms,1))
+ ' and '+
            'b.kelas= '+QuotedStr(katake(isisms,2));
  ADOQ1.Open;
  if ADOQ1.RecordCount <=0 then
    result := 'format SMS salah ketik HOTEL untuk informasi' //
atau 'data tidak ditemukan'
    else
    result :='kelas '+ADOQ1['kelas']+' kode
'+IntToStr(ADOQ1['id_kamar'])+ ' Rp.'+floattostr(ADOQ1['harga'])+'
(' +ADOQ1['fasilitas'] +')' +#13#10 +'(pesan cth: ARTHA 35(kode)
PESAN 12/12/2010)';

  end
  else
  begin //daftar member
    kata:=katake(isisms,2);
    if uppercase (katake(isisms,1))= 'DAFTAR' then
    begin
      ADOC1.CommandText:='insert into tmember (identitas, nama,
alamat, telp) values '+
            '('+quotedstr(KataKeb(kata,1))+' ,
'+QuotedStr(KataKeB(kata,2))+ ' , ' +
            quotedstr(katakeb(kata,3))+ ' ,
'+QuotedStr(noTelp)+')';
      ADOC1.Execute;
      result:='Pendaftaran Berhasil dilakukan'+#13#10 +'utk pesan
cth:ARTHA 35(kode) pesan 12/12/2009';
```

```
          end;
       end;
    end
    else
    if jumlahKata (isisms)=3 then
    begin
       if (UpperCase(katake(isisms,1))= 'FAS') then        //update kamar
          begin
          kata:=katake (isisms,2) ;
          ADOQ1.sql.Text :=   'select
a.*,b.id_kamar,b.jumlah_pakai,b.jumlah_kamar '+
                              'from thotel a '+
                              'inner join fasilitas b on
b.id_hotel=a.id_hotel and b.kelas = '+QuotedStr(kata)+' '+
                              'where a.handphone = '+QuotedStr(noTelp);
          ADOQ1.Open;
          if ADOQ1.RecordCount <=0 then
          result :='Nomor handphone anda tidak terdaftar'
          else
             begin
                kata2:= UpperCase (katake(isisms,3));
                jumlah:= (ADOQ1['jumlah_pakai']);
                if kata2 = 'ISI' then                    //update isi
                   begin
                       if ADOQ1['jumlah_pakai'] <=0 then
                       jumlah := -1
                       else
                       jumlah:= jumlah -1;
                   end
                else
                if kata2= 'KOSONG' then
                   begin
                   if ADOQ1['jumlah_pakai'] >= ADOQ1['jumlah_kamar']
then
                       jumlah:= -2
                       else
                       jumlah:= jumlah-1;
                   end;
                if jumlah = -1 then
                result := 'jumlah kamar sudah habis'
                else
                if jumlah=-2 then
                result := 'jumlah kamar melebihi jumlah fasilitas'
                else
                   begin
                   kata := inttostr (ADOQ1['id_kamar']);
                   ADOC1.CommandText := 'update fasilitas set '+
                                        'jumlah_pakai =
'+inttostr(jumlah)+' '+
                                        'where id_kamar = '+kata;
                ADOC1.Execute;
                result := 'update kamar berhasil dilakukan';
```

```
                    end;
              end
        end
  end
  else
  if jumlahkata (isisms) = 4 then
  begin
    if (UpperCase(katake(isisms,1))= 'YA') or
(UpperCase(katake(isisms,1))= 'TIDAK') then
      begin
      //untuk jawaban dari hotel
        ADOQ1.sql.Text:='select *from tmember where identitas =
'+katake(isisms,4);
        ADOQ1.Open;
        if UpperCase(katake(isisms,1))= 'YA' then
        kata:= 'Terima kasih pemesanan untuk '+katake(isisms,2)+' pada
tgl '+katake(isisms,3)+' berhasil dilakukan, tunjukan id untuk
konfirmasi'
        else kata:= 'Maaf pemesanan untuk '+katake(isisms,2)+' tidak
dapat dilakukan untuk informasi lainnya ketik HOTEL';
        kirimsms(ADOQ1['telp'],kata);
        result :=' Terimakasih telah melakukan konfirmasi';
    end
    else
    begin
    //untuk pemesanan kamar
        ADOQ1.sql.Text:='select a.* '+
            'from thotel a '+
            'inner join fasilitas b on b.id_hotel= a.id_hotel and
b.id_kamar = '+katake(isisms,2)+' '+
            'where a.nama = '+QuotedStr(katake(isisms,1)) ;
        ADOQ1.Open;
        if ADOQ1.RecordCount <=0 then
          result := 'hotel '+katake (isisms,1)+' dngn fasilitas
'+katake (isisms,2)+' tidak ditemukan'
        else
        begin
        ADOQ2.SQL.Text:='select * from tmember where
telp='+QuotedStr(noTelp);
        ADOQ2.Open;
        if ADOQ2.RecordCount<=0 then
        begin
        result:='anda belum terdaftar'#13#10+'(cth daftar:DAFTAR
123456789#SETO#jl_kaliurang_km14_yogyakarta)';
        end
        else
        begin
        result:= 'tunggu konfirmasi beberapa saat';
        telphotel:=ADOQ1['handphone'];
        ADOQ1.sql.Text:='select *from fasilitas where id_kamar =
'+katake(isisms,2);
        ADOQ1.Open;
```

```delphi
            kata:=ADOQ1['kelas']+' '+katake(isisms,4)+ ' ';
            ADOQ1.sql.Text:='select * from tmember where telp =
'+noTelp;
            ADOQ1.Open;

kata:=kata+ADOQ1['identitas']+'#'+ADOQ1['nama']+'#'+ADOQ1['alamat'];
            kirimsms(telphotel,kata);
            end;

        end;

    end;
  end;
end;


procedure Tform6.kirimsms(notelp,isisms:string);
begin
ADOC1.CommandText:= 'insert into outbox
(DestinationNumber,TextDecoded) values '+
                    '('+QuotedStr(notelp)+','+QuotedStr(isisms)+')';
ADOC1.Execute;
end;


procedure TForm6.Button1Click(Sender: TObject);
begin
memo1.Lines.text:=hasilsms(edit1.Text,'085743062188');


end;

end.


Listing Program Form Member

unit Unit7;

interface

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

type
  TForm7 = class(TForm)
    edcri: TEdit;
    Button1: TButton;
    DBGrid1: TDBGrid;
```

```
    DataSource1: TDataSource;
    ADOQuery1: TADOQuery;
    procedure Button1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  Form7: TForm7;

implementation

uses Uutama;

{$R *.dfm}

procedure TForm7.Button1Click(Sender: TObject);
begin
  ADOQuery1.SQL.Text:='select * from tmember where nama like
'+QuotedStr('%'+edcri.Text+'%');
  ADOQuery1.Open;
end;

end.
```

Listing Program Form kirim Sms

```
unit Unit8;

interface

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

type
  TForm8 = class(TForm)
    PageControl1: TPageControl;
    TabSheet1: TTabSheet;
    TabSheet3: TTabSheet;
    DBGrid1: TDBGrid;
    ADOQuery1: TADOQuery;
    DataSource1: TDataSource;
    Edit1: TEdit;
    Label1: TLabel;
    Memo1: TMemo;
    Label2: TLabel;
    BtKirim: TButton;
    ADOCommand1: TADOCommand;
```