



**LAMPIRAN A**  
**LISTING PROGRAM**  
**TEST PSIKOLOGI DENGAN MENGGUNAKAN**  
**SISTEM PAKAR**

**LAMPIRAN A**  
**LISTING PROGRAM**  
**TEST PSIKOLOGI DENGAN MENGGUNAKAN**  
**SISTEM PAKAR**

**Listing Program Untuk Pakar**

```
unit awal;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  StdCtrls, Buttons, ExtCtrls, jpeg, ComCtrls;

type
  Tf_muka = class(TForm)
    Panel1: TPanel;
    SpeedButton1: TSpeedButton;
    SpeedButton4: TSpeedButton;
    SpeedButton2: TSpeedButton;
    SpeedButton3: TSpeedButton;
    Image1: TImage;
    Shape1: TShape;
    Shape2: TShape;
    RichEdit1: TRichEdit;
    SpeedButton5: TSpeedButton;
    procedure SpeedButton1MouseMove(Sender: TObject; Shift: TShiftState; X,
      Y: Integer);
    procedure SpeedButton2MouseMove(Sender: TObject; Shift: TShiftState; X,
      Y: Integer);
    procedure SpeedButton3MouseMove(Sender: TObject; Shift: TShiftState; X,
      Y: Integer);
    procedure SpeedButton4MouseMove(Sender: TObject; Shift: TShiftState; X,
      Y: Integer);
    procedure SpeedButton5MouseMove(Sender: TObject; Shift: TShiftState; X,
      Y: Integer);
    procedure Panel1MouseMove(Sender: TObject; Shift: TShiftState; X,
      Y: Integer);
    procedure FormMouseMove(Sender: TObject; Shift: TShiftState; X,
      Y: Integer);
    procedure SpeedButton1Click(Sender: TObject);
    procedure SpeedButton4Click(Sender: TObject);
    procedure SpeedButton2Click(Sender: TObject);
    procedure SpeedButton5Click(Sender: TObject);
    procedure SpeedButton3Click(Sender: TObject);
  private
    { Private declarations }
  end;
end;
```

```

public
  { Public declarations }
end;

var
  f_muka: Tf_muka;

implementation
  uses fakta_baru,detail,input_fakta, About;
  {$R *.DFM}

  procedure Tf_muka.SpeedButton1MouseMove(Sender: TObject;
    Shift: TShiftState; X, Y: Integer);
  begin
    speedbutton1.Font.Color := clred;
    speedbutton2.Font.Color := clblack;
    speedbutton3.Font.Color := clblack;
    speedbutton4.Font.Color := clblack;
    speedbutton5.Font.Color := clblack;
    richedit1.text := 'Untuk Melihat, Menambah, Mengedit, Menghapus Data';
  end;

  procedure Tf_muka.SpeedButton2MouseMove(Sender: TObject;
    Shift: TShiftState; X, Y: Integer);
  begin
    speedbutton1.Font.Color := clblack;
    speedbutton4.Font.Color := clblack;
    speedbutton2.Font.Color := clred;
    speedbutton3.Font.Color := clblack;
    speedbutton5.Font.Color := clblack;
    richedit1.text := 'Untuk Melihat Data Dari Pembuat Program';
  end;

  procedure Tf_muka.SpeedButton3MouseMove(Sender: TObject;
    Shift: TShiftState; X, Y: Integer);
  begin
    speedbutton1.Font.Color := clblack;
    speedbutton4.Font.Color := clblack;
    speedbutton3.Font.Color := clred;
    speedbutton2.Font.Color := clblack;
    speedbutton5.Font.Color := clblack;
    richedit1.text := 'Untuk Mengetahui Bagaimana Menjalankan Program';
  end;

  procedure Tf_muka.SpeedButton4MouseMove(Sender: TObject;
    Shift: TShiftState; X, Y: Integer);
  begin
    speedbutton1.Font.Color := clblack;
    speedbutton4.Font.Color := clred;
    speedbutton2.Font.Color := clblack;
    speedbutton3.Font.Color := clblack;
    speedbutton5.Font.Color := clblack;
    richedit1.text := 'Untuk Keluar Dari Program';
  end;

```

```

procedure Tf_muka.SpeedButton5MouseMove(Sender: TObject;
  Shift: TShiftState; X, Y: Integer);
begin
  speedbutton1.Font.Color := clblack;
  speedbutton4.Font.Color := clblack;
  speedbutton2.Font.Color := clblack;
  speedbutton3.Font.Color := clblack;
  speedbutton5.Font.Color := clred;
  richedit1.text := 'Untuk Melihat Fakta Baru Yang Ditemukan Di Lapangan';
end;

procedure Tf_muka.Panel1MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
begin
  speedbutton1.Font.Color := clblack;
  speedbutton4.Font.Color := clblack;
  speedbutton2.Font.Color := clblack;
  speedbutton3.Font.Color := clblack;
  speedbutton5.Font.Color := clblack;
end;

procedure Tf_muka.FormMouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
begin
  speedbutton1.Font.Color := clblack;
  speedbutton4.Font.Color := clblack;
  speedbutton2.Font.Color := clblack;
  speedbutton3.Font.Color := clblack;
  speedbutton5.Font.Color := clblack;
  richedit1.text := 'CopyRight Tika 02';
end;

procedure Tf_muka.SpeedButton1Click(Sender: TObject);
begin
  speedbutton1.enabled:=false;
  speedbutton2.enabled:=false;
  speedbutton3.enabled:=false;
  speedbutton4.enabled:=false;
  speedbutton5.enabled:=false;
  f_input.ShowModal;
  {f_soal.ShowModal;}
end;

procedure Tf_muka.SpeedButton4Click(Sender: TObject);
begin
  f_muka.Close;
end;

procedure Tf_muka.SpeedButton2Click(Sender: TObject);
begin
  aboutbox.showmodal;
end;

procedure Tf_muka.SpeedButton5Click(Sender: TObject);

```

```

begin
    F_baru.ShowModal;
end;

procedure Tf_muka.SpeedButton3Click(Sender: TObject);
begin
    Application.HelpCommand(help_finder,0);
end;

end.

unit input_fakta;

interface

uses
    Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
    Grids, ExtCtrls, StdCtrls, Db, DBTables, Buttons, DBCtrls, Mask;

type
    TF_input = class(TForm)
        Label2: TLabel;
        Panel1: TPanel;
        StringGrid1: TStringGrid;
        Button2: TButton;
        Button3: TButton;
        Query1: TQuery;
        Query2: TQuery;
        DBEdit1: TDBEdit;
        Table1: TTable;
        DataSource1: TDataSource;
        DBNavigator1: TDBNavigator;
        procedure FormActivate(Sender: TObject);
        procedure StringGrid1KeyPress(Sender: TObject; var Key: Char);
        procedure Button1Click(Sender: TObject);
        procedure Button3Click(Sender: TObject);
        procedure Button2Click(Sender: TObject);
        procedure StringGrid1Exit(Sender: TObject);
        procedure Edit1KeyPress(Sender: TObject; var Key: Char);
        procedure FormClose(Sender: TObject; var Action: TCloseAction);
        procedure Edit1Exit(Sender: TObject);
        procedure DBNavigator1Click(Sender: TObject; Button: TNavigateBtn);
        procedure Table1AfterPost(DataSet: TDataSet);
        procedure FormShow(Sender: TObject);
        procedure DBEdit1KeyPress(Sender: TObject; var Key: Char);
        procedure StringGrid1Click(Sender: TObject);
    private
        { Private declarations }
    public
        { Public declarations }
    end;

var
    F_input: TF_input;

```

```

total : integer;

implementation
uses detail, awal;
{$R *.DFM}

procedure TF_input.FormActivate(Sender: TObject);
begin
stringgrid1.Cells[0,0] := 'Ciri-Ciri';
stringgrid1.Enabled := true;
end;

procedure TF_input.StringGrid1KeyPress(Sender: TObject; var Key: Char);
var a,b : integer;
c : string;
begin
if key = #13 then
begin
key := #0;
b := stringgrid1.row;
stringgrid1.RowCount := b + 2;
stringgrid1.Col := 0;
stringgrid1.Row := b + 1;
stringgrid1.SetFocus;
end;
end;

procedure TF_input.Button1Click(Sender: TObject);
var a : string;
i : integer;
begin
{a := 'delete from ciri where diagnosa = '+#39+uppercase(edit1.Text)+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL; }{menghapus fakta-fakta lama}

{for i := 1 to (stringgrid1.RowCount - 1) do
begin
if stringgrid1.cells[0,i] <> ""then
begin}
{a := 'select * from ciri where diagnosa = '+#39+uppercase(edit1.Text)+#39+
'and ciri = '+#39+uppercase(stringgrid1.Cells[0,i])+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;
label2.Caption := inttostr(query1.recordcount);}

{if query1.RecordCount < 1 then
begin
a := 'insert into ciri values
('+#39+uppercase(edit1.Text)+#39+', '+#39+uppercase(stringgrid1.Cells[0,i])+#39+')';
query1.close;
query1.sql.Clear;

```

```

        query1.sql.Add(a);
        query1.ExecSQL;
    end;
    stringgrid1.cells[0,i] := "";
end;
end;
a := 'select count(*) jumlah from analisa where diagnosa =
'+#39+uppercase(edit1.Text)+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;

if query1.fieldbyname('jumlah').asinteger < 1 then memasukkan nama penyakit ketabel
solusi penyakit}
{ begin
    try
        a := 'insert into analisa(diagnosa) values ('+#39+uppercase(edit1.Text)+#39+')';
        query1.close;
        query1.sql.Clear;
        query1.sql.Add(a);
        query1.ExecSQL;
    except
        showmessage('Ada Diagnosa Yang Berisi Data Null!');
    end;
end;

edit1.Clear;
stringgrid1.RowCount := 2;
edit1.SetFocus;}
end;

procedure TF_input.Button3Click(Sender: TObject);
var i : integer;
begin
    for i := 1 to (stringgrid1.RowCount - 2) do
        begin
            if stringgrid1.cells[0,i] <> "" then
                stringgrid1.cells[0,i] := "";
            end;
        end;
    stringgrid1.RowCount := 2;
    f_input.Close;
    with f_muka do
        begin
            speedbutton1.enabled:=true;
            speedbutton2.enabled:=true;
            speedbutton3.enabled:=true;
            speedbutton4.enabled:=true;
            speedbutton5.enabled:=true;
        end;
    end;
end;

procedure TF_input.Button2Click(Sender: TObject);
var i : integer;
begin

```

```

f_detail.ShowModal;
{for i := 1 to (stringgrid1.RowCount - 1) do
begin
  if stringgrid1.cells[0,i] <> "then
    stringgrid1.cells[0,i] := "";
  end;
  stringgrid1.RowCount := 2;}
end;

procedure TF_input.StringGrid1Exit(Sender: TObject);
begin
  if button3.Focused then
    button3.SetFocus;
  if button2.Focused then
    button2.SetFocus;
end;

procedure TF_input.Edit1KeyPress(Sender: TObject; var Key: Char);
var a : string;
i : integer;
begin
  {if key = #13 Then
  begin
    key := #0;
    f_detail.Table1.close;
    f_detail.Table1.open;
    a := 'delete from ciri where diagnosa '+
      'not in (select diagnosa from analisa)';
    query1.close;
    query1.sql.Clear;
    query1.sql.Add(a);
    query1.ExecSQL;

    i := 1;
    a := 'select ciri from ciri where diagnosa = '+#39+uppercase(edit1.text)+#39;
    query1.close;
    query1.sql.Clear;
    query1.sql.Add(a);
    query1.open;
    stringgrid1.RowCount := 2;
    stringgrid1.Cells[0,i] := "";
    query1.FindFirst;
    while not query1.EOF do
      begin
        stringgrid1.Cells[0,i] := query1.fieldbyname('ciri').asString;
        stringgrid1.RowCount := stringgrid1.RowCount + 1;
        i := i + 1;
        query1.Next;
      end;
    stringgrid1.row := stringgrid1.RowCount - 1;
    stringgrid1.SetFocus;
  end;}
end;

procedure TF_input.FormClose(Sender: TObject; var Action: TCloseAction);

```



```

var i : integer;
begin
for i := 1 to (stringgrid1.RowCount - 1) do
begin
if stringgrid1.cells[0,i] <> ""then
stringgrid1.cells[0,i] := "";
end;
stringgrid1.RowCount := 2;
end;

procedure TF_input.Edit1Exit(Sender: TObject);
var a : string;
i : integer;
begin
if button3.Focused or button2.Focused then
begin
if button3.Focused then
button3.SetFocus;
if button2.Focused then
button2.SetFocus;
end
else
begin
f_detail.Table1.close;
f_detail.Table1.open;
a := 'delete from ciri where diagnosa '+' {menghapus fakta yang tidak ada}
'not in (select diagnosa from analisa)';{keterangan data penyakitnya}
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

i := 1;
{a := 'select ciri from ciri where diagnosa = '+'#39+uppercase(edit1.text)+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;}
stringgrid1.RowCount := 2;
stringgrid1.Cells[0,i] := "";
query1.FindFirst; {menampilkan ciri bila penyakit sudah ada pada base pengetahuan }
while not query1.EOF do
begin
stringgrid1.Cells[0,i] := query1.fieldbyname('ciri').asString;
stringgrid1.RowCount := stringgrid1.RowCount + 1;
i := i + 1;
query1.Next;
end;
stringgrid1.row := stringgrid1.RowCount - 1;
stringgrid1.SetFocus;
end;
end;

procedure TF_input.DBNavigator1Click(Sender: TObject;
Button: TNavigateBtn);

```

```

var a : string;
i : integer;
begin
  for i := 1 to (stringgrid1.RowCount - 1) do
    begin
      if stringgrid1.cells[0,i] <> ""then
        stringgrid1.cells[0,i] := "";
      end;
      stringgrid1.RowCount := 2;

      f_detail.Table1.close;
      f_detail.Table1.open;
      a := 'delete from ciri where diagnosa '+'
        'not in (select diagnosa from analisa)';
      query1.close;
      query1.sql.Clear;
      query1.sql.Add(a);
      query1.ExecSQL;

      i := 1;
      a := 'select ciri from ciri where diagnosa = '+#39+
        uppercase(table1.FieldName('diagnosa').asstring)+#39;
      query1.close;
      query1.sql.Clear;
      query1.sql.Add(a);
      query1.open;
      stringgrid1.RowCount := 2;
      stringgrid1.Cells[0,i] := "";
      query1.FindFirst;
      while not query1.EOF do
        begin
          stringgrid1.Cells[0,i] := query1.fieldbyname('ciri').asstring;
          stringgrid1.RowCount := stringgrid1.RowCount + 1;
          i := i + 1;
          query1.Next;
        end;
      stringgrid1.row := stringgrid1.RowCount - 1;
      stringgrid1.SetFocus;
      dbedit1.SetFocus;
    end;

  procedure TF_input.Table1AfterPost(DataSet: TDataSet);
  var a : string;
  i : integer;
  begin
    a := 'delete from ciri where diagnosa = '+#39+
      uppercase(table1.FieldName('diagnosa').asstring)+#39;
    query1.close;
    query1.sql.Clear;
    query1.sql.Add(a);
    query1.ExecSQL;

    for i := 1 to (stringgrid1.RowCount - 1) do
      begin
        if stringgrid1.cells[0,i] <> ""then

```

```

begin
a := 'select * from ciri where diagnosa = '+#39+
      uppercase(table1.FieldName('diagnosa').asString)+#39+
      'and ciri = '+#39+uppercase(stringgrid1.Cells[0,i])+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;

if query1.RecordCount < 1 then
begin
a := 'insert into ciri values ('+#39+uppercase(table1.FieldName('diagnosa').asString)+
      #39+', '+#39+uppercase(stringgrid1.Cells[0,i])+#39+')';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;
end;
stringgrid1.cells[0,i] := '';
end;
end;
a := 'select count(*) jumlah from analisa where diagnosa = '+#39+
      uppercase(table1.FieldName('diagnosa').asString)+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;

if query1.fieldbyname('jumlah').asinteger < 1 then
begin
try
a := 'insert into analisa(diagnosa) values ('+#39+
      uppercase(table1.FieldName('diagnosa').asString)+#39+')';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;
except
showmessage('Ada Diagnosa Yang Berisi Data Null');
end;
end;

stringgrid1.RowCount := 2;
end;

procedure TF_input.FormShow(Sender: TObject);
var a : string;
i : integer;
begin
for i := 1 to (stringgrid1.RowCount - 1) do
begin
if stringgrid1.cells[0,i] <> '' then
stringgrid1.cells[0,i] := '';
end;
stringgrid1.RowCount := 2;

```

```

f_detail.Table1.close;
f_detail.Table1.open;
a := 'delete from ciri where diagnosa '+'
      'not in (select diagnosa from analisa)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

i := 1;
a := 'select ciri from ciri where diagnosa = '+#39+
      uppercase(table1.FieldName('diagnosa').asString)+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;
stringgrid1.RowCount := 2;
stringgrid1.Cells[0,i] := '';
query1.FindFirst;
while not query1.EOF do
begin
  stringgrid1.Cells[0,i] := query1.fieldbyname('ciri').asString;
  stringgrid1.RowCount := stringgrid1.RowCount + 1;
  i := i + 1;
  query1.Next;
end;
stringgrid1.row := stringgrid1.RowCount - 1;
stringgrid1.SetFocus;
end;

procedure TF_input.DBEdit1KeyPress(Sender: TObject; var Key: Char);
begin
if key = #13 then
begin
  key := #0;
  stringgrid1.SetFocus;
end;
end;

procedure TF_input.StringGrid1Click(Sender: TObject);
begin

end;

end.

unit detail;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  ExtCtrls, DBCtrls, StdCtrls, Mask, Db, DBTables;

```

```

type
  Tf_detail = class(TForm)
    Table1: TTable;
    DataSource1: TDataSource;
    DBEdit1: TDBEdit;
    DBMemo1: TDBMemo;
    Label1: TLabel;
    Label2: TLabel;
    DBNavigator1: TDBNavigator;
    Button1: TButton;
    DBMemo2: TDBMemo;
    Label3: TLabel;
    Label4: TLabel;
    DBMemo3: TDBMemo;
    procedure Button1Click(Sender: TObject);
    procedure FormActivate(Sender: TObject);
    procedure FormShow(Sender: TObject);
    procedure FormClose(Sender: TObject; var Action: TCloseAction);
    procedure DBMemo1Change(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  f_detail: Tf_detail;

implementation
  uses input_fakta;
  {$R *.DFM}

  procedure Tf_detail.Button1Click(Sender: TObject);
  begin
    f_detail.Close;
  end;

  procedure Tf_detail.FormActivate(Sender: TObject);
  begin
    table1.close;
    table1.open;
  end;

  procedure Tf_detail.FormShow(Sender: TObject);
  begin
    table1.close;
    table1.open;
  end;

  procedure Tf_detail.FormClose(Sender: TObject; var Action: TCloseAction);
  var a : string;
      i : integer;

```

```

begin
f_input.Table1.close;
f_input.Table1.open;

for i := 1 to (f_input.stringgrid1.RowCount - 1) do
begin
if f_input.stringgrid1.cells[0,i] <> ""then
f_input.stringgrid1.cells[0,i] := "";
end;
f_input.stringgrid1.RowCount := 2;

Table1.close;
Table1.open;
a := 'delete from ciri where diagnosa '+'
      'not in (select diagnosa from analisa)';
f_input.query1.close;
f_input.query1.sql.Clear;
f_input.query1.sql.Add(a);
f_input.query1.ExecSQL;

i := 1;
a := 'select ciri from ciri where diagnosa = '+#39+
      uppercase(f_input.table1.FieldName('diagnosa'), asstring)+#39;
f_input.query1.close;
f_input.query1.sql.Clear;
f_input.query1.sql.Add(a);
f_input.query1.open;
f_input.stringgrid1.RowCount := 2;
f_input.stringgrid1.Cells[0,i] := "";
f_input.query1.FindFirst;
while not f_input.query1.EOF do
begin
f_input.stringgrid1.Cells[0,i] := f_input.query1.fieldbyname('ciri').asstring;
f_input.stringgrid1.RowCount := f_input.stringgrid1.RowCount + 1;
i := i + 1;
f_input.query1.Next;
end;
f_input.stringgrid1.row := f_input.stringgrid1.RowCount - 1;
f_input.stringgrid1.SetFocus;
end;

procedure Tf_detail.DBMemo1Change(Sender: TObject);
begin

end;

end.

unit fakta_baru;

interface

uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,

```

DBTables, StdCtrls, Grids, Db, DBGrids, ExtCtrls;

type

```
TF_baru = class(TForm)
  StringGrid1: TStringGrid;
  ComboBox1: TComboBox;
  Query1: TQuery;
  StringGrid2: TStringGrid;
  Query2: TQuery;
  Panel1: TPanel;
  Button1: TButton;
  Button3: TButton;
  Panel2: TPanel;
  Button2: TButton;
  Button4: TButton;
  procedure ComboBox1Click(Sender: TObject);
  procedure Button1Click(Sender: TObject);
  procedure FormShow(Sender: TObject);
  procedure StringGrid2DbClick(Sender: TObject);
  procedure Button2Click(Sender: TObject);
  procedure StringGrid2Click(Sender: TObject);
  procedure Button3Click(Sender: TObject);
  procedure Button4Click(Sender: TObject);
  procedure StringGrid1Click(Sender: TObject);
```

private

```
  y : integer;
  { Private declarations }
public
  { Public declarations }
end;
```

var

```
  F_baru: TF_baru;
```

implementation

```
{$R *.DFM}
```

```
procedure TF_baru.ComboBox1Click(Sender: TObject);
var a : string;
    i : integer;
begin
  for i := 1 to stringgrid1.RowCount - 1 do
    begin
      stringgrid1.Cells[0,i] := '';
    end;
  a := 'select ciri from ciri where diagnosa = '+#39+uppercase(combobox1.text)+#39;
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.open;
  stringgrid1.RowCount := 2;
  stringgrid1.Cells[0,0] := 'ciri';
  i := 1;
  query1.FindFirst; {menampilkan ciri bila penyakit sudah ada pada base pengetahuan }
```

```

while not query1.EOF do
begin
stringgrid1.Cells[0,i] := query1.fieldbyname('ciri').asString;
stringgrid1.RowCount := stringgrid1.RowCount + 1;
i := i + 1;
query1.Next;
end;
stringgrid1.rowcount := stringgrid1.RowCount - 1;
stringgrid1.SetFocus;
end;

procedure TF_baru.Button1Click(Sender: TObject);
var a : string;
i : integer;
begin
a := 'delete from ciri where diagnosa = '+#39+uppercase(combobox1.Text)+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL; {menghapus fakta-fakta lama}

for i := 1 to (stringgrid1.RowCount - 1) do {mengentrikan fakta-fakta yang baru}
begin
if stringgrid1.cells[0,i] <> '' then
begin
a := 'select * from ciri where diagnosa = '+#39+uppercase(combobox1.Text)+#39+
'and ciri = '+#39+uppercase(stringgrid1.Cells[0,i])+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;
{label2.Caption := inttostr(query1.recordcount);}

if query1.RecordCount < 1 then
begin
a := 'insert into ciri values
'+#39+uppercase(combobox1.Text)+#39+', '+#39+uppercase(stringgrid1.Cells[0,i])+#39+'';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;
end;
stringgrid1.cells[0,i] := '';
end;
end;
a := 'select count(*) jumlah from analisa where diagnosa =
'+#39+uppercase(combobox1.Text)+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;

if query1.fieldbyname('jumlah').asinteger < 1 then {memasukkan nama penyakit ketabel
solusi penyakit}
begin

```



```

a := 'insert into analisa(diagnosa) values ('+#39+uppercase(combobox1.Text)+#39+)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;
end;

```

```

combobox1.Text := "";
stringgrid1.RowCount := 2;
combobox1.SetFocus;
end;

```

```

procedure TF_baru.FormShow(Sender: TObject);
var i : integer;
a : string;
begin
stringgrid2.RowCount := 2;
stringgrid2.Cells[0,0] := 'Fakta Baru';
i := 1;{stringgrid2.RowCount - 1;}
combobox1.Items.Clear;
a := 'select distinct(diagnosa) nama from ciri';
query1.close;
query1.SQL.Clear;
query1.SQL.Add(a);
query1.open;
query1.FindFirst;
while not query1.EOF do
begin
combobox1.Items.Add(query1.fieldbyname('nama').asstring);
query1.Next;
end;

query2.close;
query2.open;
query2.FindFirst;
while not query2.EOF do
begin
stringgrid2.Cells[0,i] := query2.fieldbyname('ciri').asstring;
stringgrid2.RowCount := stringgrid2.RowCount + 1;
i := i + 1;
query2.Next;
end;
if query2.RecordCount > 0 then
stringgrid2.rowcount := stringgrid2.rowcount - 1
else
stringgrid2.rowcount := stringgrid2.rowcount;
stringgrid2.SetFocus;
end;
end;

```

```

procedure TF_baru.StringGrid2DbClick(Sender: TObject);
var i : integer;
a : string;
begin

```

```

a := 'select ciri from ciri where diagnosa = '#39+uppercase(combobox1.text)+'#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;
if query1.RecordCount < 1 then
begin
  showmessage('Penyakit belum ada');
end
else
begin
  i := stringgrid2.row;
  a := stringgrid2.Cells[0,i];
  i := stringgrid1.RowCount;
  stringgrid1.RowCount := i+1;
  stringgrid1.Cells[0,i] := a;
end;
end;

procedure TF_baru.Button2Click(Sender: TObject);
var a : string;
i : integer;
begin
stringgrid2.Cells[0,y] := "";
a := 'delete from fakta_baru';
query2.close;
query2.sql.Clear;
query2.sql.Add(a);
query2.ExecSQL;
for i := 1 to stringgrid2.RowCount do
begin
  if stringgrid2.Cells[0,i] <> "" then
  begin
    a := 'insert into fakta_baru values ('+#39+stringgrid2.Cells[0,i]+'#39+')';
    query2.close;
    query2.sql.Clear;
    query2.sql.Add(a);
    query2.ExecSQL;
  end;
end;
for i := 1 to stringgrid2.RowCount do
begin
  stringgrid2.Cells[0,i] := "";
end;
stringgrid2.RowCount := 2;
stringgrid1.FixedRows := 1;
stringgrid2.Cells[0,0] := 'Fakta Baru';
i := stringgrid2.RowCount - 1;
a := 'select * from fakta_baru';
query2.close;
query2.sql.Clear;
query2.sql.Add(a);
query2.open;
query2.FindFirst;
while not query2.EOF do

```

```

begin
  stringgrid2.Cells[0,i] := query2.fieldbyname('ciri').asstring;
  stringgrid2.RowCount := stringgrid2.RowCount + 1;
  i := i + 1;
  query2.Next;
end;
if query2.RecordCount > 0 then
  stringgrid2.rowcount := stringgrid2.rowcount - 1
else
  stringgrid2.rowcount := stringgrid2.rowcount;
stringgrid2.SetFocus;
end;

procedure TF_baru.StringGrid2Click(Sender: TObject);
begin
  y := stringgrid2.Row;
end;

procedure TF_baru.Button3Click(Sender: TObject);
var i : integer;
begin
  for i := 1 to stringgrid1.RowCount - 1 do
    begin
      stringgrid1.Cells[0,i] := "";
    end;
  stringgrid1.RowCount := 2;
  stringgrid1.Cells[0,0] := 'ciri';
end;

procedure TF_baru.Button4Click(Sender: TObject);
begin
  f_baru.Close;
end;

procedure TF_baru.StringGrid1Click(Sender: TObject);
begin
  end;

end.

nit About;

interface

uses Windows, SysUtils, Classes, Graphics, Forms, Controls, StdCtrls,
  Buttons, ExtCtrls;

type
  TAboutBox = class(TForm)
    Panel1: TPanel;

```

```

OKButton: TButton;
Image1: TImage;
Label1: TLabel;
Label2: TLabel;
Label3: TLabel;
Label4: TLabel;
Label5: TLabel;
Label6: TLabel;
procedure Label2Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  AboutBox: TAboutBox;

implementation

{$R *.DFM}

procedure TAboutBox.Label2Click(Sender: TObject);
begin

end;

end.

```

### Listing Program Untuk Konsultasi

```

unit muka;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  Grids, ExtCtrls, StdCtrls, Db, DBTables, jpeg, ComCtrls;

type
  Tf_muka = class(TForm)
    Image1: TImage;
    Shape2: TShape;
    Panel2: TPanel;
    Button3: TButton;
    Button2: TButton;
    Button1: TButton;
    Button4: TButton;
    Shape1: TShape;
    RichEdit1: TRichEdit;
    procedure Button1Click(Sender: TObject);
    procedure Button4Click(Sender: TObject);
    procedure Button3Click(Sender: TObject);

```

```

procedure FormMouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
procedure Button1MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
procedure Button2MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
procedure Button3MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
procedure Button4MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
procedure Button2Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  f_muka: Tf_muka;

implementation
uses fakta_ciri, about;
{$R *.DFM}

procedure Tf_muka.Button1Click(Sender: TObject);
begin
  Application.HelpCommand (help_finder,0);
  {Mengecek keterkaitan fakta dengan basis pengetahuan}
end;

procedure Tf_muka.Button4Click(Sender: TObject);
begin
  button4.Enabled := false;
  button1.Enabled := false;
  button2.Enabled := false;
  button3.Enabled := false;
  f_konsol.ShowModal;
end;

procedure Tf_muka.Button3Click(Sender: TObject);
begin
  f_muka.Close;
end;

procedure Tf_muka.FormMouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
begin
  RichEdit1.Text := 'Copyright @ Tika. Allright Reserved';
end;

procedure Tf_muka.Button1MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
begin

```

```

    RichEdit1.Text := 'Bila anda ingin menggunakan bantuan cara penggunaan program';
end;

procedure Tf_muka.Button2MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
begin
    RichEdit1.Text := 'Tentang pembuat program';
end;

procedure Tf_muka.Button3MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
begin
    RichEdit1.Text := 'Keluar dari program';
end;

procedure Tf_muka.Button4MouseMove(Sender: TObject; Shift: TShiftState; X,
  Y: Integer);
begin
    RichEdit1.Text := 'Menjalankan program Diagnosis';
end;

procedure Tf_muka.Button2Click(Sender: TObject);
begin
    AboutBox.ShowModal;
end;

end.

unit fakta_ciri;

interface

uses
    Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
    Grids, ExtCtrls, StdCtrls, Db, DBTables;

type
    TF_konsol = class(TForm)
        Panel1: TPanel;
        StringGrid1: TStringGrid;
        Query1: TQuery;
        Query2: TQuery;
        Button1: TButton;
        Button2: TButton;
        Label2: TLabel;
        Label1: TLabel;
        Button3: TButton;
        procedure FormActivate(Sender: TObject);
        procedure StringGrid1KeyPress(Sender: TObject; var Key: Char);
        procedure Button1Click(Sender: TObject);
        procedure Button3Click(Sender: TObject);
        procedure Button2Click(Sender: TObject);
        procedure Button4Click(Sender: TObject);
        procedure StringGrid1Click(Sender: TObject);
    end;

```

```

private
  { Private declarations }
public
  { Public declarations }
end;

var
  F_konsol: TF_konsol;

implementation
uses tanya, info, tambah_fakta, muka;
{$R *.DFM}

procedure TF_konsol.FormActivate(Sender: TObject);
var a : string;
begin
  a := 'delete from proc_analisis1';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'delete from proc_analisis2';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'delete from ciri_tmp';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'delete from ciri_tmp1';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  stringgrid1.Cells[0,0] := 'Ciri-Ciri';
  stringgrid1.Enabled := true;

  stringgrid1.RowCount := 1 + 1;
  stringgrid1.Col := 0;
  stringgrid1.Row := 1;
  stringgrid1.SetFocus;
end;

procedure TF_konsol.StringGrid1KeyPress(Sender: TObject; var Key: Char);
var a,b : integer;
begin
if key = #13 then
begin
  key := #0;

```

```

b := stringgrid1.row;
stringgrid1.RowCount := b + 2;
stringgrid1.Col := 0;
stringgrid1.Row := b + 1;
stringgrid1.SetFocus;
end;
end;

```

```

procedure TF_konsol.Button1Click(Sender: TObject);
var a : string;
i : integer;
begin {Mengecek keterkaitan fakta dengan basis pengetahuan}
for i := 1 to (stringgrid1.RowCount - 1) do
begin
if stringgrid1.cells[0,i] <> '' then
begin
a := 'select * from ciri where ciri = '+#39+uppercase(stringgrid1.Cells[0,i])+#39;
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;

if query1.RecordCount > 0 then
begin
a := 'insert into ciri_tmp values ('+#39+uppercase(stringgrid1.Cells[0,i])+#39+')';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;
end;
stringgrid1.cells[0,i] := '';
end;
end;

a := 'select * from ciri_tmp';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;

if query1.RecordCount < 1 then
begin
a := 'insert into proc_analisis2 select distinct(diagnosa) from ciri';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;
end
else
begin
a := 'insert into proc_analisis2 select distinct(diagnosa) from ciri where ciri in '+
'(select ciri from ciri_tmp)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);

```



```

query1.ExecSQL;
end;

a := 'select * from ciri_tmp';
query2.close;
query2.sql.Clear;
query2.sql.Add(a);
query2.open;

if query2.RecordCount > 0 then
begin
query2.FindFirst;
while not query2.EOF do
begin
a := 'delete from proc_analisis1';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into proc_analisis1 select distinct(diagnosa) from ciri where ciri = '+
#39+query2.fieldbyname('ciri').asstring+#39+
'and diagnosa in (select diagnosa from proc_analisis2)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from proc_analisis2';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into proc_analisis2 select distinct(diagnosa) from ciri where ciri = '+
#39+query2.fieldbyname('ciri').asstring+#39+
'and diagnosa in (select diagnosa from proc_analisis1)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

query2.Next;
end;
end
else
begin
a := 'delete from proc_analisis1';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into proc_analisis1 select distinct(diagnosa) from ciri where '+
'diagnosa in (select diagnosa from proc_analisis2)';

```

```

query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from proc_analisis2';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into proc_analisis2 select distinct(diagnosa) from ciri where '+
      'diagnosa in (select diagnosa from proc_analisis1)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;
end;

a := 'select * from proc_analisis1';
query2.close;
query2.sql.Clear;
query2.sql.Add(a);
query2.open;
if query2.RecordCount > 0 then
begin
  if query2.RecordCount > 1 then
  begin
    f_tanya.ShowModal;
  end
  else
  begin
    f_tanya.kosong := false;
    f_info.ShowModal;
  end;
end
else
begin
  f_tanya.kosong := true;
  f_info.ShowModal;
end;
stringgrid1.RowCount := 2;
end;

procedure TF_konsol.Button3Click(Sender: TObject);
var i : integer;
begin
  for i := 1 to (stringgrid1.RowCount - 2) do {mengembalikan kolom menjadi nol kolom}
  begin
    if stringgrid1.cells[0,i] <> ""then
      stringgrid1.cells[0,i] := "";
    end;
  button1.Enabled := true;
  stringgrid1.RowCount := 2;
  f_konsol.Close;

```

```

with f_muka do
begin
    button1.Enabled := true;
    button2.Enabled := true;
    button3.Enabled := true;
    button4.Enabled := true;
end;
end;

procedure TF_konsol.Button2Click(Sender: TObject);
var i : integer;
a : string;
begin
for i := 1 to (stringgrid1.RowCount - 1) do
begin
    if stringgrid1.cells[0,i] <> "" then
        stringgrid1.cells[0,i] := "";
    end;

    a := 'delete from proc_analisis1';
    query1.close;
    query1.sql.Clear;
    query1.sql.Add(a);
    query1.ExecSQL;

    a := 'delete from proc_analisis2';
    query1.close;
    query1.sql.Clear;
    query1.sql.Add(a);
    query1.ExecSQL;

    a := 'delete from ciri_tmp';
    query1.close;
    query1.sql.Clear;
    query1.sql.Add(a);
    query1.ExecSQL;

    a := 'delete from ciri_tmp1';
    query1.close;
    query1.sql.Clear;
    query1.sql.Add(a);
    query1.ExecSQL;

    stringgrid1.RowCount := 2;
end;

procedure TF_konsol.Button4Click(Sender: TObject);
begin
    f_tambah.ShowModal;
end;

procedure TF_konsol.StringGrid1Click(Sender: TObject);
begin

```

```

end;

end.

unit tanya;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  ExtCtrls, Db, DBTables, StdCtrls;

type
  Tf_tanya = class(TForm)
    Query1: TQuery;
    Query2: TQuery;
    Panel1: TPanel;
    Button1: TButton;
    Button2: TButton;
    Panel2: TPanel;
    Memo1: TMemo;
    procedure FormActivate(Sender: TObject);
    procedure Button1Click(Sender: TObject);
    procedure Button2Click(Sender: TObject);
    procedure Memo1Change(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
    kosong : boolean;
  end;

var
  f_tanya: Tf_tanya;

implementation
uses info, fakta_ciri;
{$R *.DFM}

procedure Tf_tanya.FormActivate(Sender: TObject);
var a : string;
begin
  a := 'delete from ciri_tmp1';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'insert into ciri_tmp1 select * from ciri_tmp1';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);

```

```

query1.ExecSQL;

a := 'delete from ciri_tmp';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into ciri_tmp select distinct(ciri) from ciri where diagnosa'+
      ' in (select diagnosa from proc_analisis1) and ciri not in (select ciri from ciri_tmp1)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'select * from ciri_tmp';
query2.close;
query2.sql.Clear;
query2.sql.Add(a);
query2.open;
query2.FindFirst;
memo1.Lines.Text := 'APAKAH ANDA MERASAKAN ' + query2.fieldbyname('ciri').asstring;
end;

procedure Tf_tanya.Button1Click(Sender: TObject);
var a : string;
begin
  a := 'delete from proc_analisis2';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'insert into ciri_tmp1 values ('+#39+query2.fieldbyname('ciri').asstring+#39+')';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'insert into proc_analisis2 select distinct(diagnosa) from ciri where ciri = '+
        '#39+query2.fieldbyname('ciri').asstring+#39+'
        'and diagnosa in (select diagnosa from proc_analisis1)';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'delete from proc_analisis1';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'insert into proc_analisis1 select * from proc_analisis2';
  query1.close;

```

```

query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from ciri_tmp';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into ciri_tmp select distinct(ciri) from ciri where diagnosa'+
      ' in (select diagnosa from proc_analisis1) and ciri '+
      ' not in (select ciri from ciri_tmp1)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'select * from ciri_tmp';
query2.close;
query2.sql.Clear;
query2.sql.Add(a);
query2.open;
query2.FindFirst;
if query2.fieldbyname('ciri').asstring <> '' then
begin
memo1.Lines.Text := 'APAKAH ANDA MERASAKAN ' +
query2.fieldbyname('ciri').asstring;
end
else
begin
f_info.ShowModal;
end;

end;

procedure Tf_tanya.Button2Click(Sender: TObject);
var a : string;
begin
a := 'delete from proc_analisis2';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from proc_analisis1 where diagnosa in '+
      '(select distinct(diagnosa) from ciri where ciri = '+
      '#39+query2.fieldbyname('ciri').asstring+#39+
      'and diagnosa in (select diagnosa from proc_analisis1))';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into proc_analisis2 select * from proc_analisis1';

```

```

query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from ciri_tmp';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'insert into ciri_tmp select distinct(ciri) from ciri where diagnosa'+
      ' in (select diagnosa from proc_analisis1) and ciri '+
      ' not in (select ciri from ciri_tmp)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'select * from ciri_tmp';
query2.close;
query2.sql.Clear;
query2.sql.Add(a);
query2.open;
query2.FindFirst;
if query2.fieldbyname('ciri').asstring <> " then
begin
memo1.Lines.Text := 'APAKAH ANDA MERASAKAN ' + query2.fieldbyname('ciri').asstring;
end
else
begin
f_info.ShowModal;
end;
end;

{begin
query2.Next;
if query2.fieldbyname('ciri').asstring <> " then
begin
if not query2.EOF then
begin
memo1.Lines.Text := 'APAKAH ANDA MERASAKAN ' +
query2.fieldbyname('ciri').asstring;
end
else
begin
kosong := true;
f_info.ShowModal;
end;
end;
end;}

procedure Tf_tanya.Memo1Change(Sender: TObject);
begin

```

```

end;

end.

unit info;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  StdCtrls, Db, DBTables, DBCtrls;

type
  Tf_info = class(TForm)
    Label1: TLabel;
    Query1: TQuery;
    Button1: TButton;
    DataSource1: TDataSource;
    DBText1: TDBText;
    DBMemo1: TDBMemo;
    Label3: TLabel;
    Label4: TLabel;
    Label5: TLabel;
    DBMemo2: TDBMemo;
    Label2: TLabel;
    DBMemo3: TDBMemo;
    Button2: TButton;
    Button3: TButton;
    procedure FormActivate(Sender: TObject);
    procedure FormClose(Sender: TObject; var Action: TCloseAction);
    procedure Button1Click(Sender: TObject);
    procedure FormShow(Sender: TObject);
    procedure Button2Click(Sender: TObject);
    procedure Button3Click(Sender: TObject);
    procedure DBMemo1Change(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  f_info: Tf_info;

implementation
  uses tanya, fakta_ciri, tambah_fakta, cetak;
  {$R *.DFM}

  procedure Tf_info.FormActivate(Sender: TObject);
  var a : string;
  begin
    if f_tanya.kosong = false then
      begin

```



```

dbmemo1.Visible := true;
dbmemo2.Visible := true;
dbmemo3.Visible := true;
label3.Visible := false;
label1.Visible := true;
label4.Visible := true;
label5.Visible := true;
label2.Visible := true;
dbtext1.Visible := true;
a := 'select * from analisa where diagnosa = (select diagnosa from proc_analisis1)';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.open;
end
else
begin
dbmemo1.Visible := false;
dbmemo2.Visible := false;
dbmemo3.Visible := false;
label3.Visible := true;
label1.Visible := false;
label4.Visible := false;
label5.Visible := false;
label2.Visible := false;
dbtext1.Visible := false;

end;
end;

procedure Tf_info.FormClose(Sender: TObject; var Action: TCloseAction);
var a : string;
begin
a := 'delete from proc_analisis1';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from proc_analisis2';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from ciri_tmp';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);
query1.ExecSQL;

a := 'delete from ciri_tmp1';
query1.close;
query1.sql.Clear;
query1.sql.Add(a);

```

```

query1.ExecSQL;

f_konsol.stringgrid1.RowCount := 2;
f_tanya.Close;
end;

procedure Tf_info.Button1Click(Sender: TObject);
var a : string;
begin
  a := 'delete from proc_analisis1';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'delete from proc_analisis2';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'delete from ciri_tmp';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;

  a := 'delete from ciri_tmp1';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.ExecSQL;
  f_tanya.Close;
  f_info.Close;
  f_konsol.stringgrid1.RowCount := 2;
end;

procedure Tf_info.FormShow(Sender: TObject);
var a : string;
begin
  a := 'select * from analisa where diagnosa = (select diagnosa from proc_analisis1)';
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.open;

  if query1.RecordCount > 0 then
    f_tanya.kosong := false
  else
    f_tanya.kosong := true;

  if f_tanya.kosong = false then
    begin
      dbmemo1.Visible := true;

```

```

dbmemo2.Visible := true;
dbmemo3.Visible := true;
label3.Visible := false;
label1.Visible := true;
label4.Visible := true;
label5.Visible := true;
label2.Visible := true;
dbtext1.Visible := true;
end
else
begin
dbmemo1.Visible := false;
dbmemo2.Visible := false;
dbmemo3.Visible := false;
label3.Visible := true;
label1.Visible := false;
label4.Visible := false;
label5.Visible := false;
label2.Visible := false;
dbtext1.Visible := false;
end;
end;

procedure Tf_info.Button2Click(Sender: TObject);
var a : string;
begin
a := 'select * from analisa where diagnosa = (select diagnosa from proc_analisis1)';
f_cetak.Query1.sql.Clear;
f_cetak.Query1.sql.Add(a);
f_cetak.Query1.open;
f_cetak.QuickRep1.Preview;
end;

procedure Tf_info.Button3Click(Sender: TObject);
begin
F_tambah.ShowModal;
end;

procedure Tf_info.DBMemo1Change(Sender: TObject);
begin

end;

end.

unit tambah_fakta;

interface

uses
Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
Grids, ExtCtrls, StdCtrls, Db, DBTables;

```

```

type
TF_tambah = class(TForm)
  Panel1: TPanel;
  StringGrid1: TStringGrid;
  Button1: TButton;
  Query1: TQuery;
  Button3: TButton;
  procedure FormActivate(Sender: TObject);
  procedure StringGrid1KeyPress(Sender: TObject; var Key: Char);
  procedure Button1Click(Sender: TObject);
  procedure Button2Click(Sender: TObject);
  procedure Button3Click(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  F_tambah: TF_tambah;
  total : integer;

implementation

{$R *.DFM}

procedure TF_tambah.FormActivate(Sender: TObject);
begin
  stringgrid1.Cells[0,0] := 'Fakta Baru';
  button1.Enabled := true;
  stringgrid1.Enabled := true;
end;

procedure TF_tambah.StringGrid1KeyPress(Sender: TObject; var Key: Char);
var a,b : integer;
    c : string;
begin
  if key = #13 then
  begin
    key := #0;
    b := stringgrid1.row;
    stringgrid1.RowCount := b + 2;
    stringgrid1.Col := 0;
    stringgrid1.Row := b + 1;
    stringgrid1.SetFocus;
  end;
end;

procedure TF_tambah.Button1Click(Sender: TObject);
var a : string;
    i : integer;
begin
  for i := 1 to (stringgrid1.RowCount - 1) do
  begin
    if stringgrid1.cells[0,i] <> '' then {Menyimpan Fakta Baru}

```

```

begin
  a := 'select * from fakta_baru where ciri = '+#39+uppercase(stringgrid1.Cells[0,i])+#39;
  query1.close;
  query1.sql.Clear;
  query1.sql.Add(a);
  query1.open;
  if query1.RecordCount < 1 then
    begin
      a := 'insert into fakta_baru values ('+#39+uppercase(stringgrid1.Cells[0,i])+#39+')';
      query1.close;
      query1.sql.Clear;
      query1.sql.Add(a);
      query1.ExecSQL;
      end;
      stringgrid1.cells[0,i] := '';
      end;
      end;
      stringgrid1.RowCount := 2;
      f_tambah.Close;
      end;

procedure TF_tambah.Button2Click(Sender: TObject);
var i : integer;
begin
  end;

procedure TF_tambah.Button3Click(Sender: TObject);
var i : integer;
begin
  for i := 1 to (stringgrid1.RowCount - 1) do
    begin
      if stringgrid1.cells[0,i] <> '' then
        stringgrid1.cells[0,i] := '';
      end;
    end;
  stringgrid1.RowCount := 2;
  f_tambah.close;
  end;

end.

unit cetak;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  ExtCtrls, quickrpt, Db, DBTables, QrCtrls;

type
  TF_cetak = class(TForm)
    QuickRep1: TQuickRep;
    QRBand1: TQRBand;
    QRLabel1: TQRLabel;
    QRLabel2: TQRLabel;
  end;

```

```

QRLabel3: TQRLabel;
QRLabel4: TQRLabel;
QRLabel5: TQRLabel;
Query1: TQuery;
QRDBRichText1: TQRDBRichText;
QRDBRichText3: TQRDBRichText;
QRDBRichText4: TQRDBRichText;
QRDBText1: TQRDBText;
procedure QRLabel1Print(sender: TObject; var Value: String);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  F_cetak: TF_cetak;

implementation

{$R *.DFM}

procedure TF_cetak.QRLabel1Print(sender: TObject; var Value: String);
begin

end;

end.

unit about;

interface

uses Windows, SysUtils, Classes, Graphics, Forms, Controls, StdCtrls,
  Buttons, ExtCtrls, jpeg;

type
  TAboutBox = class(TForm)
    OKButton: TButton;
    Image1: TImage;
    Label1: TLabel;
    Label4: TLabel;
    Label3: TLabel;
    Label5: TLabel;
    Label6: TLabel;
    Label2: TLabel;
    procedure OKButtonClick(Sender: TObject);
    procedure Label2Click(Sender: TObject);
  private

```

```
{ Private declarations }
public
  { Public declarations }
end;

var
  AboutBox: TAboutBox;

implementation

uses muka;

{$R *.DFM}

procedure TAboutBox.OKButtonClick(Sender: TObject);
begin
  AboutBox.Close;
end;

procedure TAboutBox.Label2Click(Sender: TObject);
begin

end;

end.
```

