

**LAMPIRAN A**  
*Script Program*

## Form Induk

```
unit U_Penyakit;

interface

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

type
  TFrmHewan = class(TForm)
    MainMenu1: TMainMenu;
    Search1: TMenuItem;
    Catatan1: TMenuItem;
    Keluar1: TMenuItem;
    Label1: TLabel;
    Label3: TLabel;
    procedure Keluar1Click(Sender: TObject);
    procedure Search1Click(Sender: TObject);
    procedure Catatan1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  FrmHewan: TFrmHewan;

implementation

uses U_catatan, u_Search;

{$R *.dfm}

procedure TFrmHewan.Keluar1Click(Sender: TObject);
begin
  application.Terminate
end;

procedure TFrmHewan.Search1Click(Sender: TObject);
begin

  if frmSearch = nil then
    begin
```

```

        Application.CreateForm(TfrmSearch, frmSearch);
    end;
    frmSearch.Show;
end;
procedure TFrmHewan.Catatan1Click(Sender: TObject);
begin

if frmCatatan = nil then
    begin
        Application.CreateForm(TfrmCatatan, frmCatatan);
    end;
    frmCatatan.show
end;
end.

```

### **Data Module**

```

unit U_module;
interface
uses
    SysUtils, Classes, DB, IBCustomDataSet, IBQuery, IBDatabase;

type
    TDm = class(TDataModule)
        dbHewan: TIBDatabase;
        trHewan: TIBTransaction;
        QData: TIBQuery;
        QProses: TIBQuery;
        QsData: TDataSource;
        QsProses: TDataSource;
    private
        { Private declarations }
    public
        { Public declarations }
    end;
var
    Dm: TDm;
implementation
{$R *.dfm}
end.

```

## Form Search

```
unit u_Search;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,  
Dialogs, StdCtrls, Menus, Grids, DBGrids;
```

```
type
```

```
TfrmSearch = class(TForm)
```

```
  cmbClass: TComboBox;
```

```
  cmbOrdo: TComboBox;
```

```
  cmdFamily: TComboBox;
```

```
  cmbGenus: TComboBox;
```

```
  cmbSpecies: TComboBox;
```

```
  Label1: TLabel;
```

```
  Label2: TLabel;
```

```
  Label3: TLabel;
```

```
  Label4: TLabel;
```

```
  Label5: TLabel;
```

```
  edNama: TEdit;
```

```
  Label6: TLabel;
```

```
  Label7: TLabel;
```

```
  Label8: TLabel;
```

```
  edTubuh: TEdit;
```

```
  Label9: TLabel;
```

```
  cmbNamaPenyakit: TComboBox;
```

```
  memo: TMemo;
```

```
  Label10: TLabel;
```

```
  EdKodeSpec: TEdit;
```

```
  Edit1: TEdit;
```

```
  procedure Keluar1Click(Sender: TObject);
```

```
  procedure Kembali1Click(Sender: TObject);
```

```
  procedure catatan1Click(Sender: TObject);
```

```
  procedure FormClose(Sender: TObject; var Action: TCloseAction);
```

```
  procedure FormShow(Sender: TObject);
```

```
  procedure edNamaChange(Sender: TObject);
```

```
  procedure cmbSpeciesChange(Sender: TObject);
```

```
  procedure EdKodeSpecChange(Sender: TObject);
```

```
  procedure cmbClassChange(Sender: TObject);
```

```
  procedure cmbOrdoChange(Sender: TObject);
```

```
  procedure cmdFamilyChange(Sender: TObject);
```

```
  procedure cmbGenusChange(Sender: TObject);
```

```
  procedure edTubuhChange(Sender: TObject);
```

```

procedure Edit1Change(Sender: TObject);
procedure cmbNamaPenyakitChange(Sender: TObject);

{procedure kondisi; }

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

var
  frmSearch: TfrmSearch;

implementation
uses U_catatan, U_module;

{$R *.dfm}

procedure TfrmSearch.Keluar1Click(Sender: TObject);
begin
  application.Terminate;
end;

procedure TfrmSearch.Kembali1Click(Sender: TObject);
begin
  close;
end;

procedure TfrmSearch.catatan1Click(Sender: TObject);
begin
  frmCatatan.Show;
  frmSearch.Close;
end;

procedure TfrmSearch.FormClose(Sender: TObject; var Action: TCloseAction);
begin
  WindowState := wsMinimized;
  frmSearch := nil;

  Action := caFree;
end;

procedure TfrmSearch.FormShow(Sender: TObject);
begin

```

```
//Tarik data species
```

```
with dm.QData Do  
begin  
  Close;  
  Sql.Clear;  
  Sql.add('select distinct CiriSpec from Species');  
  Sql.add('order by CiriSpec');  
  open;  
  while not Eof do  
  begin  
    cmbSpecies.items.add(trim(fields[0].AsString));  
  Next;  
  end;  
end;
```

```
//Tarik Data class
```

```
with dm.QData Do  
begin  
  Close;  
  Sql.Clear;  
  Sql.add('select distinct CiriClass from Class');  
  Sql.add('order by CiriClass');  
  open;  
  while not Eof do  
  begin  
    cmbClass.items.add(trim(fields[0].AsString));  
  Next;  
  end;  
end;
```

```
//Tarik Data ordo
```

```
with dm.QData Do  
begin  
  Close;  
  Sql.Clear;  
  Sql.add('select distinct CiriOrdo from Ordo');  
  Sql.add('order by CiriOrdo');  
  open;  
  while not Eof do  
  begin  
    cmbOrdo.items.add(trim(fields[0].AsString));  
  Next;  
  end;  
end;
```

```

//Tarik Data family
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct Cirifam from family');
  Sql.add('order by Cirifam');
  open;
while not Eof do
begin
cmdFamily.items.add(trim(fields[0].AsString));
Next;
end;
end;

//Tarik Data genus
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriGenus from genus');
  Sql.add('order by CiriGenus');
  open;
while not Eof do
begin
cmbGenus.items.add(trim(fields[0].AsString));
Next;
end;
end;
end;

procedure TfrmSearch.edNamaChange(Sender: TObject);
var ks : string;
begin
with dm.QProses do
begin
  close;
  sql.clear;
  sql.add('Select kodeSpec from nama');
  sql.Add('Where nama =:nm');
  prepare;
  parambyname('nm').AsString := trim(ednama.Text);
  open;
  ks := fields[0].AsString;

end;
end;

```

*//Tarik Data Species*

```
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriSpec from Species');
  sql.add('where kodeSpec =:ks');
  Sql.add('order by CiriSpec');
  prepare;
  parambyname('ks').AsString := ks;
  open;
  cmbSpecies.Text :=trim(fields[0].AsString);
  edKodeSpec.Text :=trim(fields[0].AsString);
  end;
end;

procedure TfrmSearch.cmbSpeciesChange(Sender: TObject);
var kc,ko,kf,kg,nm : string;
begin
  with dm.QProses do
  begin
    close;
    sql.clear;
    sql.add('Select kodeclass,kodeordo,kodefam,kodegenus from species');
    sql.Add('Where cirispec =:cs');
    prepare;
    parambyname('cs').AsString := cmbspecies.Text;
    open;
    kc := fields[0].AsString;
    ko := fields[1].AsString;
    kf := fields[2].AsString;
    kg := fields[3].AsString;
  end;
  with dm.QProses do
  begin
    close;
    sql.clear;
    sql.Add('Select nama.nama from species');
    sql.Add('Inner Join nama on nama.kodespec=species.kodespec');
    sql.Add('Where nama =:nm');
    prepare;
    parambyname('nm').AsString := cmbspecies.Text;
    open;
    nm := fields[0].AsString;
  end;
end;
```



*//Tarik Data Class*

```
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriClass from Class');
  sql.add('where kodeclass =:kc');
  Sql.add('order by CiriClass');
  prepare;
  parambyname('kc').AsString := kc;
  open;
  cmbclass.Text :=trim(fields[0].AsString);
end;
```

*//Tarik Data Ordo*

```
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriOrdo from Ordo');
  sql.add('where kodeordo =:ko');
  Sql.add('order by CiriOrdo');
  prepare;
  parambyname('ko').AsString := ko;
  open;
  cmbOrdo.Text :=trim(fields[0].AsString);
end;
```

*//Tarik Data Family*

```
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriFam from Family');
  sql.add('where kodefam =:kf');
  Sql.add('order by CiriFam');
  prepare;
  parambyname('kf').AsString := kf;
  open;
  cmdFamily.Text :=trim(fields[0].AsString);
end;
```

*//Tarik Data Genus*

```
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriGenus from Genus');
  sql.add('where kodegenus =:kg');
  Sql.add('order by CiriGenus');
  prepare;
  parambyname('kg').AsString := kg;
  open;
  cmbGenus.Text :=trim(fields[0].AsString);
end;
```

*//Tarik Data Nama*

```
with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct nama from nama');
  sql.add('where nama =:nm');
  Sql.add('order by nama');
  prepare;
  parambyname('nm').AsString := nm;
  open;
  edNama.Text :=trim(fields[0].AsString);
end;
end;
```

```
procedure TfrmSearch.EdKodeSpecChange(Sender: TObject);
var kc,ko,kf,kg : string;
begin
  with dm.QProses do
  begin
    close;
    sql.clear;
    sql.add('Select kodeclass,kodeordo,kodefam,kodegenus from species');
    sql.Add('Where cirispec =:cs');
    prepare;
    parambyname('cs').AsString := cmbspecies.Text;
    open;
    kc := fields[0].AsString;
    ko := fields[1].AsString;
    kf := fields[2].AsString;
```

```

    kg := fields[3].asString;
end;

//Tarik Data Class

with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriClass from Class');
  sql.add('where kodeclass =:kc');
  Sql.add('order by CiriClass');
  prepare;
  parambyname('kc').AsString := kc;
  open;
  cmbclass.Text :=trim(fields[0].AsString);
end;

//Tarik Data Ordo

with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriOrdo from Ordo');
  sql.add('where kodeordo =:ko');
  Sql.add('order by CiriOrdo');
  prepare;
  parambyname('ko').AsString := ko;
  open;
  cmbOrdo.Text :=trim(fields[0].AsString);
end;

//Tarik Data Family

with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriFam from Family');
  sql.add('where kodefam =:kf');
  Sql.add('order by CiriFam');
  prepare;
  parambyname('kf').AsString := kf;
  open;
  cmdFamily.Text :=trim(fields[0].AsString);

```

```

end;

//Tarik Data Genus

with dm.QData Do
begin
  Close;
  Sql.Clear;
  Sql.add('select distinct CiriGenus from Genus');
  sql.add('where kodegenus =:kg');
  Sql.add('order by CiriGenus');
  prepare;
  parambyname('kg').AsString := kg;
  open;
  cmbGenus.Text :=trim(fields[0].AsString);
  end;
end;

procedure TfrmSearch.cmbClassChange(Sender: TObject);
begin

  cmbOrdo.Clear;
  with dm.qData do
  begin
    close;
    sql.Clear;
    sql.Add('Select distinct species.kodeclass,class.ciriclass, species.kodeordo,
            ordo.ciriordo from species');
    sql.Add('Inner Join class on class.kodeclass=species.kodeclass' );
    sql.add('Inner Join ordo on ordo.kodeordo=species.kodeordo');
    sql.Add('where class.ciriclass=:kc');
    prepare;
    parambyname('kc').AsString := trim(cmbClass.Text);
    open;

    while not Eof do
    begin
      cmbOrdo.items.add(trim(fields[3].AsString));
      Next;
    end;
  end;
end;
end;

```

```

procedure TfrmSearch.cmbOrdoChange(Sender: TObject);
begin

    cmdfamily.Clear;
    with dm.qData do
    begin
        close;
        sql.Clear;
        sql.Add('Select distinct species.kodeordo,ordo.ciriordo, species.kodefam,
                family.cirifam from species');
        sql.Add('Inner Join ordo on ordo.kodeordo=species.kodeordo' );
        sql.add('Inner Join family on family.kodefam=species.kodefam');
        sql.Add('where ordo.ciriordo=:ko');
        prepare;
        parambyname('ko').AsString := trim(cmbordo.Text);
        open;

        while not Eof do
        begin
            cmdFamily.items.add(trim(fields[3].AsString));
            Next;
        end;
    end;
end;

procedure TfrmSearch.cmdFamilyChange(Sender: TObject);
begin
    cmbgenus.Clear;
    with dm.qData do
    begin
        close;
        sql.Clear;
        sql.Add('Select distinct species.kodefam,family.cirifam, species.kodegenus,
                genus.cirigenus from species');
        sql.add('Inner Join family on family.kodefam=species.kodefam');
        sql.Add('Inner Join genus on genus.kodegenus=species.kodegenus' );
        sql.Add('where family.cirifam=:kf');
        prepare;
        parambyname('kf').AsString := trim(cmdfamily.Text);
        open;

        while not Eof do
        begin
            cmbgenus.items.add(trim(fields[3].AsString));
            Next;
        end;
    end;
end;

```

```

    end;
    end;

end;

procedure TfrmSearch.cmbGenusChange(Sender: TObject);
begin
    cmbspecies.Clear;
    with dm.qData do
    begin
        close;
        sql.Clear;
        sql.Add('Select distinct species.kodegenus, genus.cirigenus, species.kodespec,
                species.cirispec from species');
        sql.Add('Inner Join genus on genus.kodegenus=species.kodegenus' );
        sql.Add('where genus.cirigenus=:kg');
        prepare;
        parambyname('kg').AsString := trim(cmbgenus.Text);
        open;

        while not Eof do
        begin
            cmbspecies.items.add(trim(fields[3].AsString));
            Next;
        end;
    end;

end;

procedure TfrmSearch.edTubuhChange(Sender: TObject);
var kp : string;
begin

    with dm.QProses do
    begin
        close;
        sql.clear;
        sql.add('Select kodeTubuh from Tubuh');
        sql.Add('Where namatubuh =:nt');
        prepare;
        parambyname('nt').AsString := trim(edTubuh.Text);
        open;
        kp := fields[0].AsString;
        edit1.Text:=kp;
    end;
end;

```

```

//Tarik Data penyakit
with dm.qData do
begin
close;
sql.Clear;
sql.Add('Select distinct penangananitem.kodepenyakit,penyakit.namapenyakit,
'+penangananitem.kodetubuh, tubuh.namatubuh,
penangananitem.kodespec, species.cirispec from penangananitem');
sql.Add('Inner Join penyakit on
penangananitem.kodepenyakit=penyakit.kodepenyakit' );
sql.add('Inner Join tubuh on penangananitem.kodetubuh=tubuh.kodetubuh');
sql.add('Inner Join penanganan on
penangananitem.kodespec=penanganan.kodespec');
sql.add('Inner Join species on penangananitem.kodespec=species.kodespec');
sql.add('where penangananitem.kodetubuh =:nt and species.cirispec =:ns');
prepare;
parambyname('nt').AsString := edit1.Text;
parambyname('ns').AsString := cmbSpecies.Text;
open;

while not Eof do
begin
cmbNamaPenyakit.items.add(trim(fields[1].AsString));
Next;
end;
end;
end;

procedure TfrmSearch.Edit1Change(Sender: TObject);
begin
cmbNamaPenyakit.Clear;
with dm.qData do
begin
close;
sql.Clear;
sql.Add('Select distinct penangananitem.kodepenyakit,penyakit.namapenyakit,
'+ 'penangananitem.kodetubuh, tubuh.namatubuh,
penangananitem.kodespec,
penanganan.kodespec, species.kodespec from penangananitem');
sql.Add('Inner Join penyakit on
penangananitem.kodepenyakit=penyakit.kodepenyakit' );
sql.add('Inner Join tubuh on penangananitem.kodetubuh=tubuh.kodetubuh');
sql.add('Inner Join penanganan on
penangananitem.kodespec=penanganan.kodespec');
sql.add('Inner Join species on penangananitem.kodespec=species.kodespec');
sql.Add('where penyakit.namapenyakit=:np');

```

```

prepare;
parambyname('np').AsString := trim(edit1.Text);
open;

while not Eof do
begin
    cmbNamaPenyakit.items.add(trim(fields[1].AsString));
    Next;
end;
end;
end;

procedure TfrmSearch.cmbNamaPenyakitChange(Sender: TObject);
begin
with dm.qData do
begin
close;
    sql.Clear;
    sql.Add('Select penangananitem.penanganan from penangananitem');
    sql.Add('Inner Join penyakit on
            penangananitem.kodepenyakit=penyakit.kodepenyakit' );
    sql.add('Inner Join tubuh on penangananitem.kodetubuh=tubuh.kodetubuh');
    sql.add('Inner Join penanganan on
            penangananitem.kodespec=penanganan.kodespec');
    sql.add('Inner Join species on penangananitem.kodespec=species.kodespec');
    sql.add('where penangananitem.kodetubuh =:nt and species.cirispec =:ns and
            penyakit.namapenyakit =:np');
prepare;
    parambyname('np').AsString := cmbNamaPenyakit.Text;
    parambyname('nt').AsString := edit1.Text;
    parambyname('ns').AsString := cmbSpecies.Text;
    open;
    memo.Text :=fields[0].asString;
end;
end;

end.

```



## Form Catatan

```
unit U_catatan;

interface

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

type
  TfrmCatatan = class(TForm)
    btNew: TButton;
    Button2: TButton;
    Button3: TButton;
    EdTanggal: TEdit;
    Memo1: TMemo;
    btOpen: TButton;
    procedure Seach1Click(Sender: TObject);
    procedure Kembali1Click(Sender: TObject);
    procedure Seacrh1Click(Sender: TObject);
    procedure FormClose(Sender: TObject; var Action: TCloseAction);
    procedure FormShow(Sender: TObject);
    procedure btNewClick(Sender: TObject);
    procedure Button2Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;

var
  frmCatatan: TfrmCatatan;

implementation

uses u_Search, U_Penyakit, U_module;

{$R *.dfm}

procedure TfrmCatatan.Seach1Click(Sender: TObject);
begin
  frmSearch.show;
end;

procedure TfrmCatatan.Kembali1Click(Sender: TObject);
```

```

begin
  frmHewan.show;
  frmCatatan.Close;
end;

procedure TfrmCatatan.Search1Click(Sender: TObject);
begin
  frmSearch.Show;
end;

procedure TfrmCatatan.FormClose(Sender: TObject; var Action: TCloseAction);
begin
  WindowState := wsMinimized;
  frmSearch := nil;

  Action := caFree;
end;

procedure TfrmCatatan.FormShow(Sender: TObject);
begin
  edTanggal.Text :=DateToStr(date);
end;

procedure TfrmCatatan.btNewClick(Sender: TObject);
begin
  memo1.Clear;
end;

procedure TfrmCatatan.Button2Click(Sender: TObject);
begin
  with dm.qData do
    begin
      Close;
      sql.Clear;
      sql.add('insert into Catatan(catatan, tanggal)+'
        'values(:ct, :tg)');
      prepare;
      ParamByName('ct').AsString :=memo1.text;
      ParamByName('tg').AsString :=edTanggal.text;
      execSql;
    end;

    dm.trHewan.Commit;

    with dm.qProses Do
      Begin

```

```
Close;  
Sql.Clear;  
Sql.Add('select catatan, tanggal from catatan');  
open;  
end;  
end;  
  
end.
```