BAB III

PEMBAHASAN

3.1. Teknik Pengumpulan Data

Adapun teknik penulis laporan dengan mengumpulkan data yang meliputi :

1. Observasi, yaitu mengumpulkan data dengan menggunakan penelitian langsung pada objek yang dituju.
2. Interview, melakukan wawancara langsung dengan sumber yang dianggap dapat memberikan keterangan mengenai data yang diperlukan .

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3.2. Pengolahan Data

Data yang kita ambil selama kerja praktek yaitu hal-hal yang berhubungan tentang data karyawan seperti laporan data absensi, laporan daftar gaji, slip gaji dan laporan gaji mingguan untuk dijadikan bahan pembuatan atau perancangan perangkat lunak dengan menggunakan sebuah data base.

3.3. Bagian Data Base

Basis data merupakan suatu bentuk pengorganisasian data dengan tujuan untuk mempermudah pengaksesan (penyimpanan ataupun pengambilan), data base ini mencakup sejumlah table yang diantaranya berupa table absensi, table daftar gaji, table slip gaji dan table gaji mingguan.

(1) Struktur Tabel Karyawan

Nama Tabel : Karyawan.db

Jml Field : 8 (delapan)

Field Kunci : NIK

Tabel 3.1 Tabel Karyawan

NO	NAMA FIELD	TYPE	LEBAR	KETERANGAN
1	NIK	A	5	Nomor Induk Karyawan
2	Nama	A	25	
3	Bagian	A	20	
4	Status	N		
5	Gapok	N		Gaji Pokok
6	GL1	N		Gaji Lembur 1
7	GL2	N		Gaji Lembur 2
8	PA	N		Potongan Air

(2) Struktur Tabel Absensi

Nama Tabel : Absensi.db

Jumlah Field : 9 (sembilan)

Field Kunci : KodeAbsen

Tabel 3.2 Tabel Absensi

NO	NAMA FIELD	TYPE	LEBAR	KETERANGAN
1	KodeAbsen	A	9	
2	NIK	A	5	Nomor Induk karyawan
3	Tanggal	D		
4	Hadir	N		
5	JL1	N		Jam Lembur 1
6	JL2	N		Jam Lembur 2
7	JLB	N		Jam Lembur Besar
8	Premi	N		
9	Target	N		

(3) Struktur Tabel Gaji

Nama Tabel : Gaji.db

Jumlah Field : 10 (sepuluh)

Field Kunci : KodeSlip

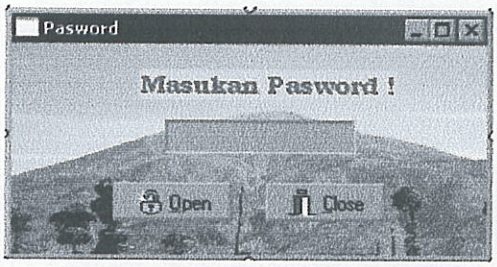
Tabel 3.3 Tabel Gaji

NO	NAMA FIELD	TYPE	LEBAR	KETERANGAN
1	KodeSlip	A	9	
2	NIK	A	5	Nomor Induk karyawan
3	Tanggal	D		
4	TGapok	N		Total Gaji Pokok
5	TGL1	N		Total Gaji Lembur 1
6	TGL2	N		Total Gaji Lembur 2
7	TGLB	N		Total Gaji Lembur Besar
8	Premi	N		
9	Target	N		
10	Tgaji	N		Total Gaji ang dibayarkan

3.4. Tampilan dan Listing Program

Form Password adalah tampilan pertama yang muncul saat program dijalankan, yang berguna sebagai pengunci bila terjadi pemakaian yang tidak diharapkan. Program dapat dibuka jika kode yang dimasukkan benar.

Form Pasword



```
unit UPass;
interface
uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  StdCtrls, Buttons, ExtCtrls, jpeg;
type
  TFPasword = class(TForm)
    Edit1: TEdit;
    Label1: TLabel;
    BitBtn1: TBitBtn;
    BitBtn2: TBitBtn;
    Image1: TImage;
    procedure BitBtn1Click(Sender: TObject);
    procedure BitBtn2Click(Sender: TObject);
    procedure FormActivate(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  FPasword: TFPasword;
implementation

uses UMenu;

procedure TFPasword.BitBtn1Click(Sender: TObject);
begin
if (Edit1.Text = 'best') then
      begin
```

```
        Edit1.Text:='';
        FMenu.Show;
        FPasword.Hide;
        end
      else
        begin
          MessageDlg('Password salah .. !',MtWarning,[mbOK],0);
          Edit1.SetFocus;
        end;
end;

procedure TFPasword.BitBtn2Click(Sender: TObject);
begin
     Application.Terminate;
end;

procedure TFPasword.FormActivate(Sender: TObject);
begin
Edit1.Text:='';
Edit1.SetFocus;
end;
end.
```



Dalam bagian procedure telah dimasukan jika password best maka akan masuk program bagian face, Password = best.

Form Menu




```
unit UMenu;
interface
uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  Menus, StdCtrls, jpeg, ExtCtrls, ComCtrls;
type
  TFMenu = class(TForm)
    MainMenu1: TMainMenu;
    Master1: TMenuItem;
    Karyawan1: TMenuItem;
    Proses1: TMenuItem;
    Absensi1: TMenuItem;
    Image1: TImage;
    Label1: TLabel;
    Label2: TLabel;
    Label3: TLabel;
    Label4: TLabel;
    Label6: TLabel;
```

```
    Bevel1: TBevel;
    Label5: TLabel;
    Label7: TLabel;
    Cetak1: TMenuItem;
    Keluar1: TMenuItem;
    SlipGaji1: TMenuItem;
    DaftarGaji1: TMenuItem;
    LaporanGajiMingguan1: TMenuItem;
    StatusBar1: TStatusBar;
    LaporanGajiBulanan1: TMenuItem;
    procedure Karyawan1Click(Sender: TObject);
    procedure Absensi1Click(Sender: TObject);
    procedure SlipGaji1Click(Sender: TObject);
    procedure DaftarGaji1Click(Sender: TObject);
    procedure FormCreate(Sender: TObject);
    procedure Keluar1Click(Sender: TObject);
    procedure LaporanGajiMingguan1Click(Sender: TObject);
    procedure LaporanGajiBulanan1Click(Sender: TObject);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  FMenu: TFMenu;
implementation
uses  UAbsen, UHitung,
  UBantuan, USlip,FLapMg, UTKaryawan, UPass, ULapB;

procedure TFMenu.Karyawan1Click(Sender: TObject);
```

```
begin
FKaryawan.Show;
end;

procedure TFMenu.Absensi1Click(Sender: TObject);
begin
FAbsen.Show;
end;

procedure TFMenu.SlipGaji1Click(Sender: TObject);
begin
FSlip.Show;
end;

procedure TFMenu.DaftarGaji1Click(Sender: TObject);
begin
Form1.Show;
end;

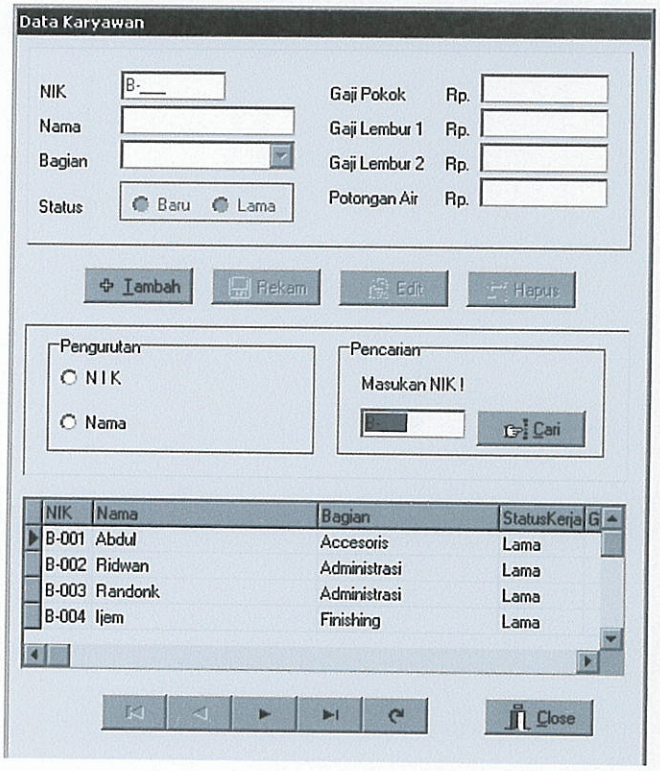
procedure TFMenu.About1Click(Sender: TObject);
begin
Fmenu.Hide;
Kotak.Show;
end;

procedure TFMenu.Keluar1Click(Sender: TObject);
begin
FPasword.Show;
FMenu.Close;
end;
```

```
procedure TFMenu.LaporanGajiMingguan1Click(Sender: TObject);
begin
Form2.Show;
end;

procedure TFMenu.LaporanGajiBulanan1Click(Sender: TObject);
begin
FLB.Show;
end;
end.
```

Form Data Karyawan



```
unit UTKaryawan;
interface
uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  ExtCtrls, DBCtrls, StdCtrls, Db, DBTables, Grids, DBGrids, Buttons, Mask;
type
  TFKaryawan = class(TForm)
    Label1: TLabel;
    Label2: TLabel;
    Label3: TLabel;
    Label4: TLabel;
    Label5: TLabel;
    Label6: TLabel;
    Label7: TLabel;
    Label8: TLabel;
    MaskEdit1: TMaskEdit;
    Edit1: TEdit;
    Edit2: TEdit;
    Edit3: TEdit;
    Edit4: TEdit;
    Edit5: TEdit;
    BitBtn1: TBitBtn;
    BitBtn2: TBitBtn;
    BitBtn3: TBitBtn;
    DBGrid1: TDBGrid;
    Table1: TTable;
    DataSource1: TDataSource;
    RadioGroup1: TRadioGroup;
    DBNavigator1: TDBNavigator;
    BitBtn4: TBitBtn;
```

```
Table1NIK: TStringField;
Table1Nama: TStringField;
Table1Bagian: TStringField;
Table1Status: TFloatField;
Table1Gapok: TCurrencyField;
Table1GL1: TCurrencyField;
Table1GL2: TCurrencyField;
Table1PA: TCurrencyField;
Table1StatusKerja: TStringField;
ComboBox1: TComboBox;
GroupBox2: TGroupBox;
RadioGroup2: TRadioGroup;
Label9: TLabel;
MaskEdit2: TMaskEdit;
BitBtn5: TBitBtn;
Bevel1: TBevel;
Label10: TLabel;
Label11: TLabel;
Label12: TLabel;
Label13: TLabel;
Bevel2: TBevel;
BitBtn6: TBitBtn;
procedure RadioGroup1Click(Sender: TObject);
procedure BitBtn1Click(Sender: TObject);
procedure BitBtn2Click(Sender: TObject);
procedure BitBtn3Click(Sender: TObject);
procedure BitBtn4Click(Sender: TObject);
procedure Table1CalcFields(DataSet: TDataSet);
procedure RadioGroup2Click(Sender: TObject);
procedure BitBtn5Click(Sender: TObject);
```



```
    procedure DBGrid1CellClick(Column: TColumn);
    procedure BitBtn6Click(Sender: TObject);
    procedure FormActivate(Sender: TObject);
    procedure FormClose(Sender: TObject; var Action: TCloseAction);
    procedure MaskEdit1Exit(Sender: TObject);
    private
    { Private declarations }
    public
    { Public declarations }
  end;

var
  FKaryawan: TFKaryawan;
implementation

procedure TFKaryawan.RadioGroup1Click(Sender: TObject);
begin
if RadioGroup1.itemindex=0 then
       begin
       edit2.text:='12.600,00';
       edit3.text:='2.242,00';
       edit4.text:='2.722,00';
       edit5.text:='1.600,00';
       end
       else
         begin
         edit2.text:='15.700,00';
         edit3.text:='2.722,00';
         edit4.text:='3.362,00';
         edit5.text:='1.600,00';
```

```
        end;
end;

procedure TFKaryawan.BitBtn1Click(Sender: TObject);
begin
    MaskEdit1.Text:='';
    Edit1.Text:='';
    ComboBox1.Text:='';
    RadioGroup1.ItemIndex:=-1;
    Edit2.Text:='';
    Edit3.Text:='';
    Edit4.Text:='';
    Edit5.Text:='';
    MaskEdit1.Enabled:=True;
    Edit1.Enabled:=True;
    ComboBox1.Enabled:=True;
    RadioGroup1.Enabled:=True;
    Edit2.Enabled:=True;
    Edit3.Enabled:=True;
    Edit4.Enabled:=True;
    Edit5.Enabled:=True;
    ActiveControl:=MaskEdit1;
    BitBtn2.Enabled:=True;
    BitBtn3.Enabled:=False;
    BitBtn4.Enabled:=False;
end;

procedure TFKaryawan.BitBtn2Click(Sender: TObject);
begin
if ((MaskEdit1.Text='') or (Edit1.Text='') or (Edit2.Text='') or (Edit3.Text='')
```

```
or (Edit4.Text='') or (Edit5.Text='') or (ComboBox1.Text='')
or(RadioGroup1.ItemIndex=-1)) then
   begin
      MessageDlg('Field tidak boleh kosong ... !',MtConfirmation,[MbOk],
      0); ActiveControl:=MaskEdit1;
   end
 else
 if (Table1.FindKey ([MaskEdit1.Text])) then
   begin
    MessageDlg('Kode NIK Sudah ada !',mtConfirmation,[mbOk],0);
    MaskEdit1.Text:='';
    Edit1.Text:='';
    Edit2.Text:='';
    Edit3.Text:='';
    Edit4.Text:='';
    Edit5.Text:='';
    ComboBox1.Text:='';
    RadioGroup1.ItemIndex:=-1;
    ActiveControl:=MaskEdit1;
   end
else
  begin
   With Table1 do
   begin
   if RadioGroup1.ItemIndex=0 then
   begin
   edit2.text:='12600';
   edit3.text:='2242';
   edit4.text:='2722';
   edit5.text:='1600';
```

```
end
else
 begin
  edit2.text:='15700';
  edit3.text:='2722';
  edit4.text:='3362';
  edit5.text:='1600';
   end;
append;
FieldByName ('NIK') .AsString :=MaskEdit1.Text;
FieldByName ('Nama') .AsString:=Edit1.Text;
FieldByName ('Bagian') .AsString:=ComboBox1.Text;
FieldByName ('Status') .AsString:=IntToStr(RadioGroup1.ItemIndex);
FieldByName ('Gapok') .AsFloat:=StrToFloat(Edit2.Text);
FieldByName ('GL1') .AsFloat:=StrToFloat(Edit3.Text);
FieldByName ('GL2') .AsFloat:=StrToFloat(Edit4.Text);
FieldByName ('PA') .AsFloat:=StrToFloat(Edit5.Text);
post;
FlushBuffers;
end;
MaskEdit1.Text:='';
Edit1.Text:='';
Edit2.Text:='';
Edit3.Text:='';
Edit4.Text:='';
Edit5.Text:='';
ComboBox1.Text:='';
RadioGroup1.ItemIndex:=-1;
MaskEdit1.Enabled:=False;
Edit1.Enabled:=False;
```

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```
        Edit2.Enabled:=False;
        Edit3.Enabled:=False;
        Edit4.Enabled:=False;
        Edit5.Enabled:=False;
        ComboBox1.Enabled:=False;
        RadioGroup1.Enabled:=False;
        BitBtn2.Enabled:=False;
        BitBtn1.Enabled:=True;
        BitBtn3.Enabled:=False;
        BitBtn4.Enabled:=False;
       end;
end;

procedure TFKaryawan.BitBtn3Click(Sender: TObject);
begin
        with Table1 do
        begin
       if RadioGroup1.ItemIndex=0 then
       begin
       edit2.text:='12600';
       edit3.text:='2242';
       edit4.text:='2722';
       edit5.text:='1600';
       end
       else
        begin
          edit2.text:='15700';
          edit3.text:='2722';
          edit4.text:='3362';
          edit5.text:='1600';
```

```
    end;
  edit;
  FieldByName ('NIK') .AsString :=MaskEdit1.Text;
  FieldByName ('Nama') .AsString:=Edit1.Text;
  FieldByName ('Bagian') .AsString:=ComboBox1.Text;
  FieldByName ('Status') .AsString:=IntToStr(RadioGroup1.itemindex);
  FieldByName ('Gapok') .AsFloat:=StrToFloat(Edit2.Text);
  FieldByName ('GL1') .AsFloat:=StrToFloat(Edit3.Text);
  FieldByName ('GL2') .AsFloat:=StrToFloat(Edit4.Text);
  FieldByName ('PA') .AsFloat:=StrToFloat(Edit5.Text);
  post;
  FlushBuffers;
  Table1.Refresh;
  end;
  MaskEdit1.Text:='';
 Edit1.Text:='';
 ComboBox1.Text:='';
 RadioGroup1.ItemIndex:=-1;
 Edit2.Text:='';
 Edit3.Text:='';
 Edit4.Text:='';
 Edit5.Text:='';
 MaskEdit1.Enabled:=False;
 Edit1.Enabled:=False;
 Edit2.Enabled:=False;
 Edit3.Enabled:=False;
 Edit4.Enabled:=False;
 Edit5.Enabled:=False;
ComboBox1.Enabled:=False;
RadioGroup1.Enabled:=False;
```

```
    BitBtn2.Enabled:=False;
    BitBtn3.Enabled:=False;
    BitBtn4.Enabled:=False;
    BitBtn1.Enabled:=True;
end;

procedure TFKaryawan.BitBtn4Click(Sender: TObject);
Var
    s : array [0..255] of char;
begin
    StrPCopy (S,Format (
    'Yakin N I K %S dihapus ?',
    [Table1.Fields[0].AsString]));
    if (Application.MessageBox (
    S,'Warning', MB_YesNo or MB_Iconquestion) = idYes) then
    Table1.delete;
    Table1.refresh;
    MaskEdit1.Text:='';
    Edit1.Text:='';
    ComboBox1.Text:='';
    RadioGroup1.ItemIndex:=-1;
    Edit2.Text:='';
    Edit3.Text:='';
    Edit4.Text:='';
    Edit5.Text:='';
      MaskEdit1.Enabled:=False;
      Edit1.Enabled:=False;
      Edit2.Enabled:=False;
      Edit3.Enabled:=False;
      Edit4.Enabled:=False;
```

```
        Edit5.Enabled:=False;
        ComboBox1.Enabled:=False;
        RadioGroup1.Enabled:=False;
          BitBtn1.Enabled:=True;
          BitBtn2.Enabled:=False;
          BitBtn3.Enabled:=False;
          BitBtn4.Enabled:=False;
end;

procedure TFKaryawan.Table1CalcFields(DataSet: TDataSet);
begin
if Table1.FieldByName ('status').value =0 then
Table1StatusKerja.Value :='Baru'
else
Table1StatusKerja.Value :='Lama';
end;

procedure TFKaryawan.RadioGroup2Click(Sender: TObject);
begin
    case RadioGroup2.ItemIndex of
  0 : Table1.IndexFieldNames := 'NIK';
  else
    Table1.IndexFieldNames := 'Nama';
  end;
end;

procedure TFKaryawan.BitBtn5Click(Sender: TObject);
begin
 Table1.IndexName :='';
  if (Table1.FindKey ([MaskEdit2.Text])) then
```

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```
        BitBtn3.Enabled:=False;
        BitBtn4.Enabled:=False;
       end
       else
     Application.MessageBox ('Maaf Data Tidak Ditemukan !',
     'Informasi',Mb_Ok or Mb_iconinformation);
   MaskEdit2.text:='';
end;

procedure TFKaryawan.DBGrid1CellClick(Column: TColumn);
begin
     if RadioGroup1.ItemIndex=0 then
     begin
     edit2.text:='12.600,00';
     edit3.text:='2.242,00';
     edit4.text:='2.722,00';
     edit5.text:='1.600,00';
     end
     else
       begin
       edit2.text:='15.700,00';
       edit3.text:='2.722,00';
       edit4.text:='3.362,00';
       edit5.text:='1.600,00';
        end;
     MaskEdit1.Enabled:=True;
     Edit1.Enabled:=True;
     ComboBox1.Enabled:=True;
     RadioGroup1.Enabled:=True;
     Edit2.Enabled:=True;
```

```
    Edit3.Enabled:=True;
    Edit4.Enabled:=True;
    Edit5.Enabled:=True;
with table1 do
  MaskEdit1.text :=Table1.Fields[0].AsString;
  Edit1.text :=Table1.Fields[1].AsString;
  ComboBox1.text :=Table1.Fields[2].AsString;
  RadioGroup1.ItemIndex :=Table1.FieldByname('Status').AsInteger;
  BitBtn2.Enabled:=False;
  BitBtn3.Enabled:=True;
  BitBtn4.Enabled:=True;
  BitBtn1.Enabled:=True;
end;

procedure TFKaryawan.BitBtn6Click(Sender: TObject);
begin
Close;
end;

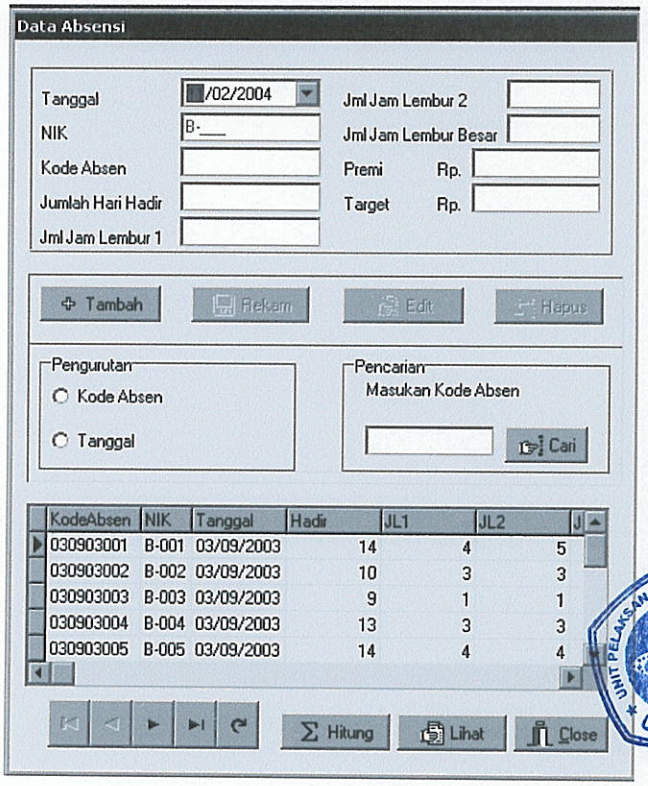
procedure TFKaryawan.FormActivate(Sender: TObject);
begin
    MaskEdit1.Enabled:=False;
    Edit1.Enabled:=False;
    Edit2.Enabled:=False;
    Edit3.Enabled:=False;
    Edit4.Enabled:=False;
    Edit5.Enabled:=False;
    ComboBox1.Enabled:=False;
    RadioGroup1.Enabled:=False;
    Table1.open;
```

```
    BitBtn2.Enabled:=False;
    BitBtn3.Enabled:=False;
    BitBtn4.Enabled:=False;
end;

procedure TFKaryawan.FormClose(Sender: TObject; var Action: TCloseAction);
begin
  Table1.Refresh;
  Table1.Close;
end;

procedure TFKaryawan.MaskEdit1Exit(Sender: TObject);
begin
if (Table1.FindKey ([MaskEdit1.Text])) then
    begin
    MessageDlg('Kode NIK Sudah ada !',mtConfirmation,[mbOk],0);
    MaskEdit1.text:='';
    end;
end;
end.
```

Form Data Absensi



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```
unit UHitungGaji;
interface
uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
  StdCtrls, Mask, Buttons, ExtCtrls, Db, DBTables;
type
  TFHitungGaji = class(TForm)
    BitBtn1: TBitBtn;
    BitBtn2: TBitBtn;
    Label1: TLabel;
    Label2: TLabel;
    Label3: TLabel;
```

```
    Label7: TLabel;
    Label8: TLabel;
    Label9: TLabel;
    Label10: TLabel;
    Label11: TLabel;
    Label12: TLabel;
    Label13: TLabel;
    MaskEdit1: TMaskEdit;
    MaskEdit2: TMaskEdit;
    Edit1: TEdit;
    Edit2: TEdit;
    Edit3: TEdit;
    Edit4: TEdit;
    Edit5: TEdit;
    Edit6: TEdit;
    Edit7: TEdit;
    Edit8: TEdit;
    Edit9: TEdit;
    Edit10: TEdit;
    Edit11: TEdit;
    BitBtn3: TBitBtn;
    MaskEdit3: TMaskEdit;
    Label15: TLabel;
    Bevel1: TBevel;
    Label14: TLabel;
    Label16: TLabel;
    Label17: TLabel;
    Label18: TLabel;
    Label19: TLabel;
    Label20: TLabel;
```

Label21: TLabel;
Label22: TLabel;
Label23: TLabel;
Label24: TLabel;
Label25: TLabel;
Label26: TLabel;
Label27: TLabel;
Label28: TLabel;
Label29: TLabel;
Label30: TLabel;
Label31: TLabel;
Label32: TLabel;
Label33: TLabel;
Label34: TLabel;
Label35: TLabel;
Label36: TLabel;
Label37: TLabel;
Label42: TLabel;
Label43: TLabel;
Label44: TLabel;
TGaji: TTable;
DataSource1: TDataSource;
Label38: TLabel;
Label39: TLabel;
Label40: TLabel;
Label41: TLabel;
Label4: TLabel;
Edit12: TEdit;
Bevel2: TBevel;
Bevel3: TBevel;



```
    procedure BitBtn3Click(Sender: TObject);
    procedure FormActivate(Sender: TObject);
    procedure FormClose(Sender: TObject; var Action: TCloseAction);
  private
    { Private declarations }
  public
    { Public declarations }
  end;
var
  FHitungGaji: TFHitungGaji;
implementation

procedure TFHitungGaji.BitBtn3Click(Sender: TObject);
Var
   Gaber,Gapok,GL1,GL2,H,JL1,JL2,LB,Target,Premi,PA : Currency;
begin
if (TGaji.FindKey ([MaskEdit1.Text])) then
       begin
       MessageDlg('Data Sudah Ada !',mtConfirmation,[mbOk],0);
       BitBtn1.Enabled:=False;
       end
       else
       begin
        Gapok:=StrToFloat(Edit2.Text);
        GL1:=StrToFloat(Edit3.Text);
        GL2:=StrToFloat(Edit4.Text);
        H:=StrToFloat(Edit5.Text);
        JL1:=StrToFloat(Edit6.Text);
        JL2:=StrToFloat(Edit7.Text);
        LB:=StrToFloat(Edit8.Text);
```

```
        Target:=StrToFloat(Edit9.Text);
        Premi:=StrToFloat(Edit10.Text);
        PA:=StrToFloat(Edit11.Text);

Gaber:=(((H*Gapok)+(GL1*JL1)+(GL2*JL2)+(LB*(2*Gapok))+
Target+Premi)- PA);
       Label30.Caption:=CurrToStr(Gapok*H);
       Label31.Caption:=CurrToStr(GL1*JL1);
       Label32.Caption:=CurrtoStr(GL2*JL2);
       Label33.Caption:=CurrToStr((2*Gapok)*LB);
       Label34.Caption:=CurrToStr(Gaber);
      end;
end;

procedure TFHitungGaji.FormActivate(Sender: TObject);
begin
TGaji.Open;
end;

procedure TFHitungGaji.FormClose(Sender: TObject;
  var Action: TCloseAction);
begin
TGaji.Close;
end;
end.
```


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