



LAMPIRAN

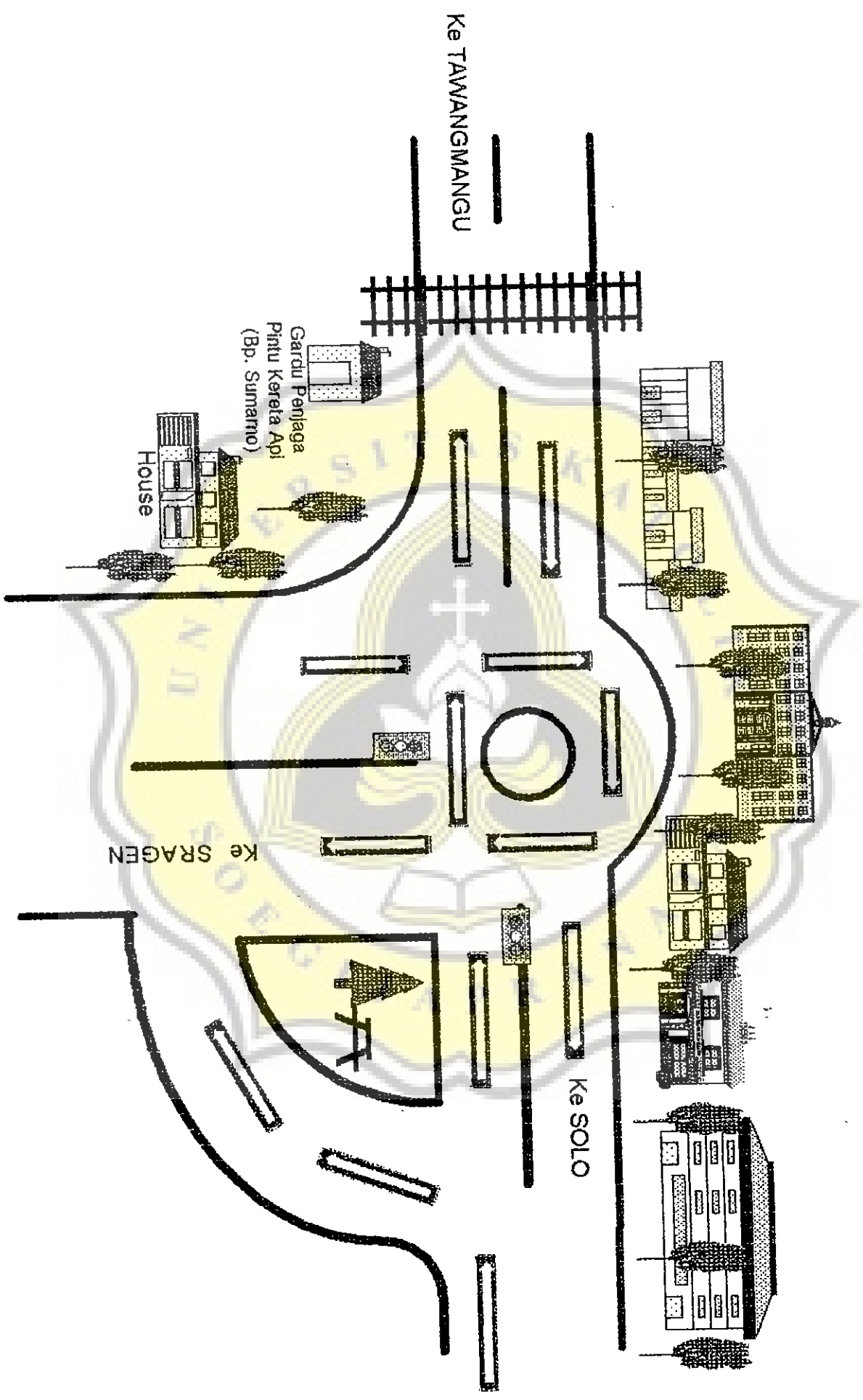
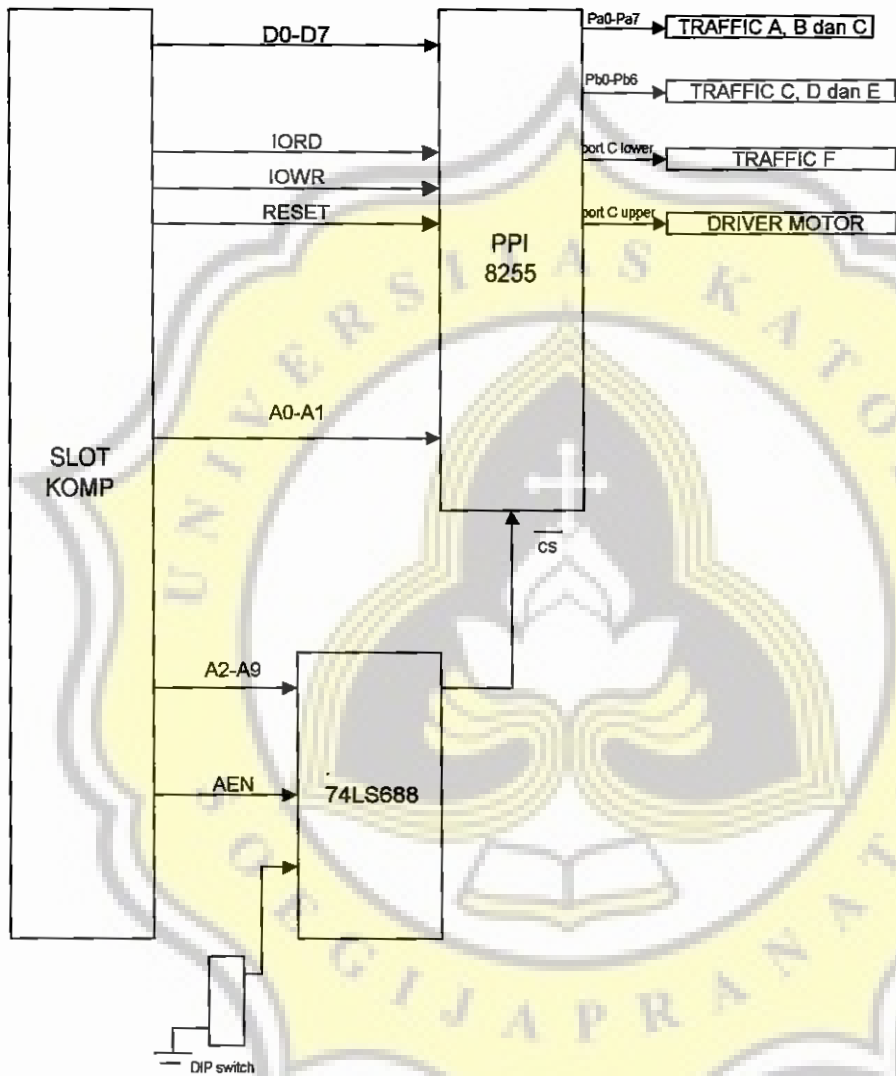


DIAGRAM BLOK RANGKAIAN ANTARMUKA SLOT EKSPANSI KOMPUTER DENGAN PPI 8255



unit Traffic;

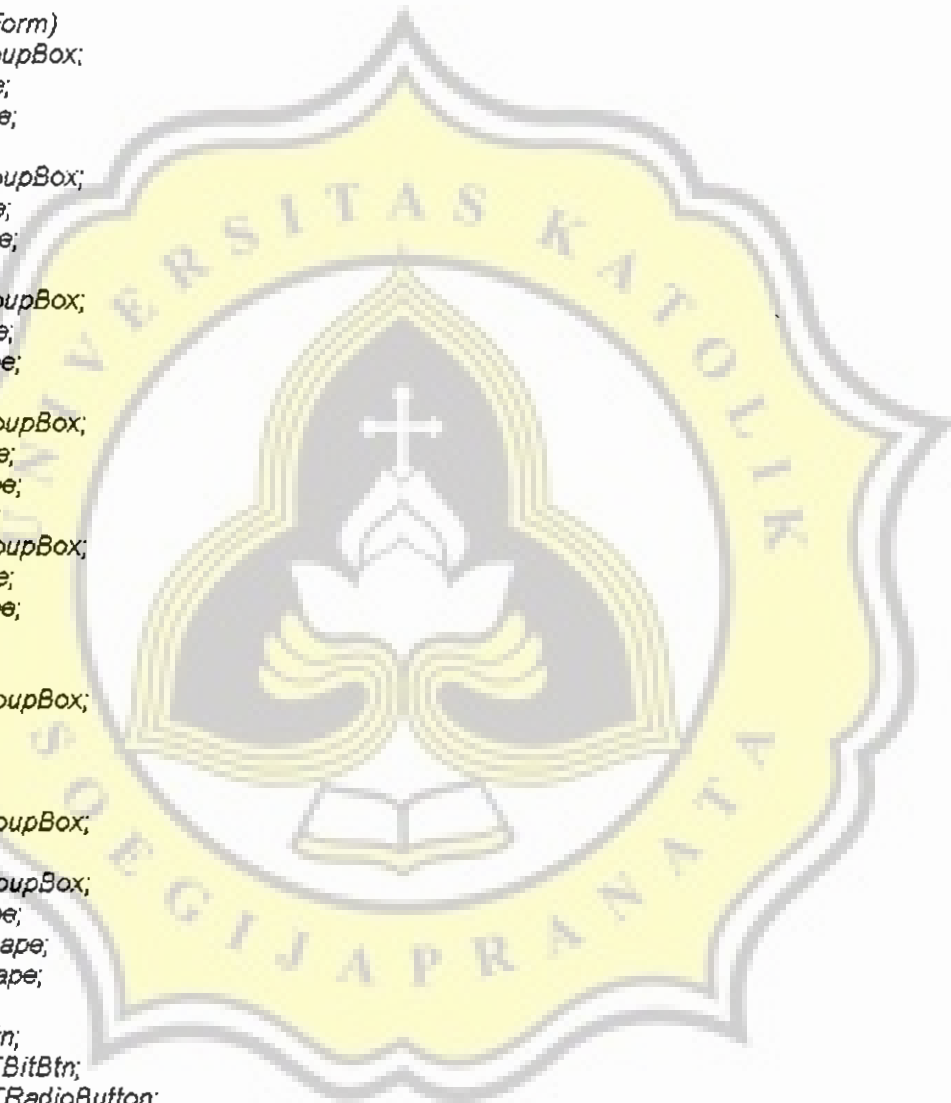
interface

uses

*Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs,
StdCtrls, ExtCtrls, Buttons, about, Menus;*

type

```
TForm1 = class(TForm)
  GroupBox1: TGroupBox;
  A_Merah: TShape;
  A_Kuning: TShape;
  A_Hijau: TShape;
  GroupBox2: TGroupBox;
  B_Merah: TShape;
  B_Kuning: TShape;
  B_Hijau: TShape;
  GroupBox3: TGroupBox;
  C_Merah: TShape;
  C_Kuning: TShape;
  C_Hijau: TShape;
  GroupBox4: TGroupBox;
  D_Merah: TShape;
  D_Kuning: TShape;
  D_Hijau: TShape;
  GroupBox5: TGroupBox;
  E_Merah: TShape;
  E_Kuning: TShape;
  E_Hijau: TShape;
  Timer1: TTimer;
  GroupBox7: TGroupBox;
  L_Tgl: TLabel;
  BitBtn1: TBitBtn;
  BitBtn2: TBitBtn;
  GroupBox8: TGroupBox;
  I_Jam: TLabel;
  GroupBox9: TGroupBox;
  Ker_hijau: TShape;
  Ker_Kuning: TShape;
  Ker_merah: TShape;
  BitBtn3: TBitBtn;
  Mulai_dtk: TBitBtn;
  semua_kuning: TBitBtn;
  Kereta_datang: TRadioButton;
  Kereta_pergi: TRadioButton;
  Dengan_jam: TBitBtn;
  MainMenu1: TMainMenu;
  TestAlat1: TMenuItem;
  TrafficA1: TMenuItem;
  TrafficB1: TMenuItem;
  TrafficC1: TMenuItem;
  TrafficD1: TMenuItem;
  TrafficE1: TMenuItem;
  TrafficF1: TMenuItem;
```



```

TestMotor1: TMenuItem;
StepperTutup1: TMenuItem;
StepperBuka1: TMenuItem;
Help1: TMenuItem;
CaraOperasional1: TMenuItem;
About1: TMenuItem;
procedure Timer1Timer(Sender: TObject);
procedure BitBtn2Click(Sender: TObject);
procedure BitBtn1Click(Sender: TObject);
procedure Outport(alamat : word; dat : byte);
procedure Interval(Lama:Longint);
procedure A_Kuning_Kdp;
procedure cf_Kuning_Kdp;
procedure cdef_Kuning_Kdp;
procedure ea_Kuning_Kdp;
procedure ker_Kuning_Kdp;
procedure ker2_Kuning_kdp;
procedure semua_hitam;
procedure semua_Kuning_Kdp;
procedure Data_1;
procedure Data_2;
procedure Data_3;
procedure Data_4;
procedure Mulai_dtkClick(Sender: TObject);
procedure BitBtn3Click(Sender: TObject);
procedure semua_kuningClick(Sender: TObject);
procedure FormCreate(Sender: TObject);
procedure TrafficA1Click(Sender: TObject);
procedure TrafficB1Click(Sender: TObject);
procedure TrafficC1Click(Sender: TObject);
procedure TrafficD1Click(Sender: TObject);
procedure TrafficE1Click(Sender: TObject);
procedure TrafficF1Click(Sender: TObject);
procedure Dengan_jamClick(Sender: TObject);
procedure StepperTutup1Click(Sender: TObject);
procedure StepperBuka1Click(Sender: TObject);
procedure motor_tutup;
procedure motor_buka;
procedure CaraOperasional1Click(Sender: TObject);
procedure About1Click(Sender: TObject);
procedure kereta_dtgClick(Sender: TObject);
procedure kereta_prgClick(Sender: TObject);
procedure pintu_tutup;
procedure pintu_buka;

```

```

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

```

```

var
  Form1: TForm1;
  Year, Month, Day, Hour, Min, Sec, MSec: Word;
  stop : boolean;

```

```
Const PortA = $300;  
PortB = $301;  
PortC = $302;  
PortCW = $303;
```

implementation

uses lokasi, Unit4;

{SR *.DFM}

```
procedure TForm1.Outport(alamat : word; dat : byte);  
begin  
asm  
mov dx,alamat  
mov al,dat  
out dx,al  
end;  
end;
```

```
Procedure TForm1.Interval(Lama:Longint); {untuk membuat delay}  
var tr:longint;  
Begin  
For tr:=0 to Lama do Application.ProcessMessages;  
end;
```

```
procedure TForm1.Timer1Timer(Sender: TObject);{untuk jam dan tanggal}  
var  
Present TDateTime;  
  
begin  
Present = Now;  
DecodeDate(Present, Year, Month, Day);  
L_Tgl.Caption := intToStr(Day)+'-'+intToStr(Month)+'-'  
+intToStr(Year);  
DecodeTime(Present, Hour, Min, Sec, MSec);  
L_Jam.Caption := intToStr(Hour)+'-'+intToStr(Min)+'-'  
+intToStr(sec);  
end;
```

```
procedure TForm1.a_Kuning_Kdp;  
Var n : Integer;  
begin  
n := 0;
```

```
Repeat  
a_kuning.Brush.Color := ClYellow;  
b_kuning.Brush.Color := ClYellow;  
outport(porta,$9d);  
n := n + 1;  
Interval(100000);  
outport(porta,$8c);  
a_kuning.Brush.Color := ClBlack;
```

```
    b_kuning.Brush.Color := CIBlack;  
    Interval(100000);  
Until n = 2;
```

end;

```
procedure TForm1.cf_Kuning_Kdp;
```

```
Var n : Integer;
```

```
begin
```

```
    n := 0;
```

```
Repeat
```

```
    b_kuning.Brush.Color := CIYellow;
```

```
    c_kuning.Brush.Color := CIYellow;
```

```
    d_kuning.Brush.Color := CIYellow;
```

```
    outport(porta, $f2);
```

```
    outport(portb, $1c);
```

```
    n := n + 1;
```

```
    Interval(100000);
```

```
    b_kuning.Brush.Color := CIBlack;
```

```
    c_kuning.Brush.Color := CIBlack;
```

```
    d_kuning.Brush.Color := CIBlack;
```

```
    outport(porta, $A2);
```

```
    outport(portb, $18);
```

```
    Interval(100000);
```

```
Until n = 2;
```

end;

```
procedure TForm1.cdef_Kuning_Kdp;
```

```
Var n : Integer;
```

```
begin
```

```
    n := 0;
```

```
Repeat
```

```
    c_kuning.Brush.Color := CIYellow;
```

```
    d_kuning.Brush.Color := CIYellow;
```

```
    e_kuning.Brush.Color := CIYellow;
```

```
    outport(porta, $4a);
```

```
    outport(portb, $37);
```

```
    n := n + 1;
```

```
    Interval(100000);
```

```
    c_kuning.Brush.Color := CIBlack;
```

```
    d_kuning.Brush.Color := CIBlack;
```

```
    e_kuning.Brush.Color := CIBlack;
```

```
    outport(porta, $0a);
```

```
    outport(portb, $13);
```

```
    Interval(100000);
```

```
Until n = 2;
```

end;

```
procedure TForm1.ea_Kuning_Kdp;
```

```
Var n : Integer;
```



```

begin
  n := 0;

  Repeat
    e_kuning.Brush.Color := ClYellow;
    a_kuning.Brush.Color := ClYellow;
    outport(porta, $Bb);
    outport(portb, $6B);
    n := n + 1;
    Interval(100000);
    a_kuning.Brush.Color := ClBlack;
    e_kuning.Brush.Color := ClBlack;
    outport(porta, $8a);
    outport(portb, $4B);
    Interval(100000);
  Until n = 2;

end;

procedure TForm1.ker_Kuning_Kdp;
Var n : Integer;
begin
  n := 0;

  Repeat
    ker_kuning.Brush.Color := ClYellow;
    outport(portc, $03);
    n := n + 1;
    Interval(100000);
    ker_kuning.Brush.Color := Clblack;
    outport(portc, $02);
    Interval(100000);
  Until n = 2;

end;

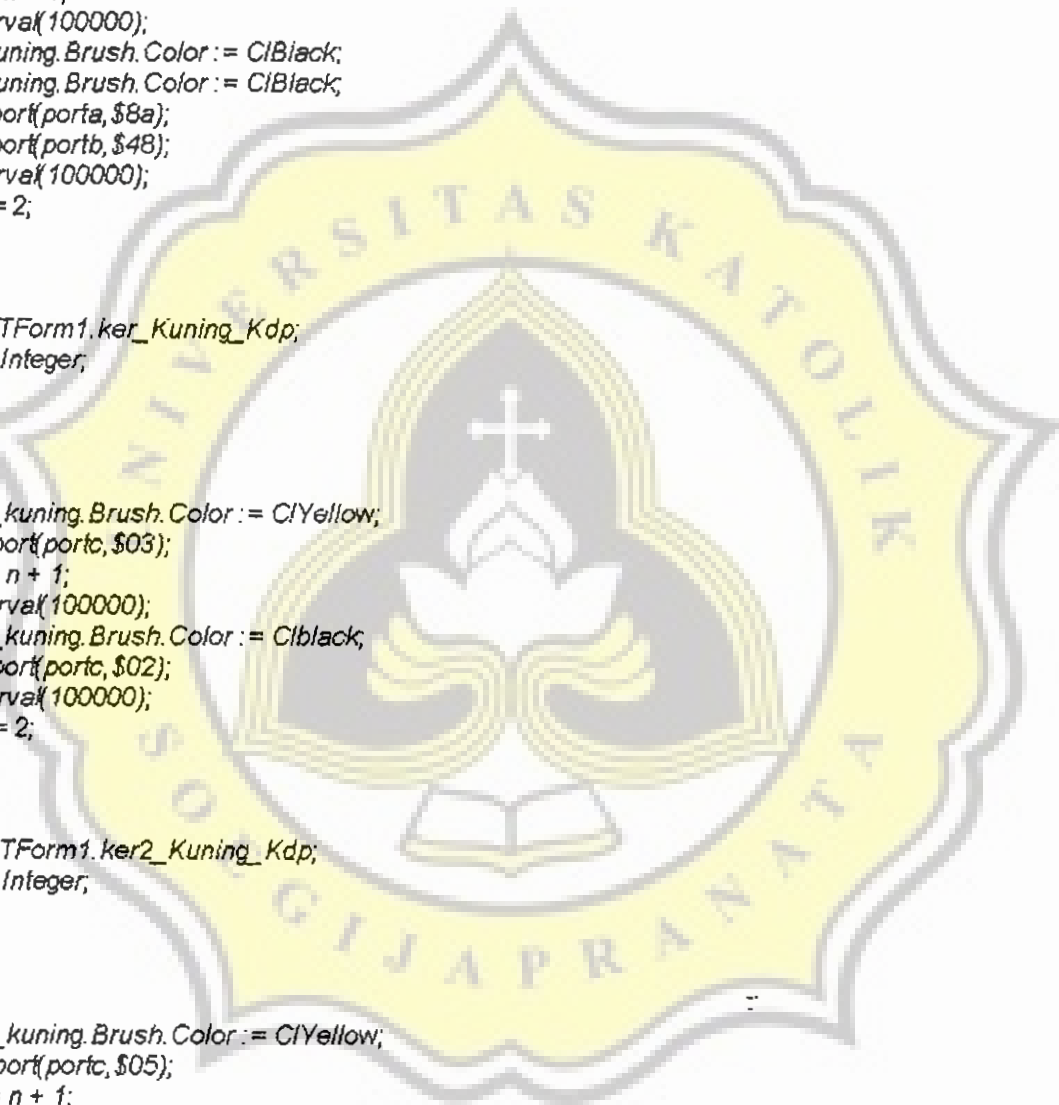
procedure TForm1.ker2_Kuning_Kdp;
Var n : Integer;
begin
  n := 0;

  Repeat
    ker_kuning.Brush.Color := ClYellow;
    outport(portc, $05);
    n := n + 1;
    Interval(100000);
    ker_kuning.Brush.Color := ClBlack;
    outport(portc, $04);
    Interval(100000);
  Until n = 2;

end;

procedure TForm1.semua_Kuning_Kdp;
begin

```




```
semua_hitam;  
Repeat  
  a_kuning.Brush.Color := CiYellow;  
  b_kuning.Brush.Color := CiYellow;  
  c_kuning.Brush.Color := CiYellow;  
  d_kuning.Brush.Color := CiYellow;  
  e_kuning.Brush.Color := CiYellow;  
  outport(porta, $51);  
  outport(portb, $24);  
  Interva(100000);  
  a_kuning.Brush.Color := CiBlack;  
  b_kuning.Brush.Color := CiBlack;  
  c_kuning.Brush.Color := CiBlack;  
  d_kuning.Brush.Color := CiBlack;  
  e_kuning.Brush.Color := CiBlack;  
  outport(porta, $00);  
  outport(portb, $00);  
  Interva(100000);  
Until (hour >= 6) and (hour <= 21);
```

end;

```
procedure TForm1.BitBtn2Click(Sender: TObject);  
begin  
  Form3.showmodal;  
end;
```

```
procedure TForm1.BitBtn1Click(Sender: TObject);  
begin  
  form2.ShowModal;  
end;
```

```
procedure TForm1.semua_hitam;  
begin  
  A_Hijau.Brush.Color := Ciblack;  
  A_Merah.Brush.Color := Ciblack;  
  A_Kuning.Brush.Color := Ciblack;  
  b_Hijau.Brush.Color := Ciblack;  
  b_Merah.Brush.Color := Ciblack;  
  b_Kuning.Brush.Color := Ciblack;  
  c_Hijau.Brush.Color := Ciblack;  
  c_Merah.Brush.Color := Ciblack;  
  c_Kuning.Brush.Color := Ciblack;  
  e_Hijau.Brush.Color := Ciblack;  
  e_Merah.Brush.Color := Ciblack;  
  e_Kuning.Brush.Color := Ciblack;  
  D_Hijau.Brush.Color := Ciblack;  
  D_Merah.Brush.Color := Ciblack;  
end;
```

```
procedure TForm1.Data_1;  
begin
```

```
A_Hijau.Brush.Color := Cgreen;  
A_Merah.Brush.Color := CBlack;  
A_Kuning.Brush.Color := CBlack;  
b_Hijau.Brush.Color := Cblack;  
b_Merah.Brush.Color := Cired;  
b_Kuning.Brush.Color := CBlack;  
c_Hijau.Brush.Color := Cblack;  
c_Merah.Brush.Color := Cired;  
c_Kuning.Brush.Color := CBlack;  
e_Hijau.Brush.Color := Cblack;  
e_Merah.Brush.Color := Cired;  
e_Kuning.Brush.Color := CBlack;  
D_Hijau.Brush.Color := Cgreen;  
D_Merah.Brush.Color := CBlack;  
outport(porta,$8C);  
outport(portb,$18);
```

end;

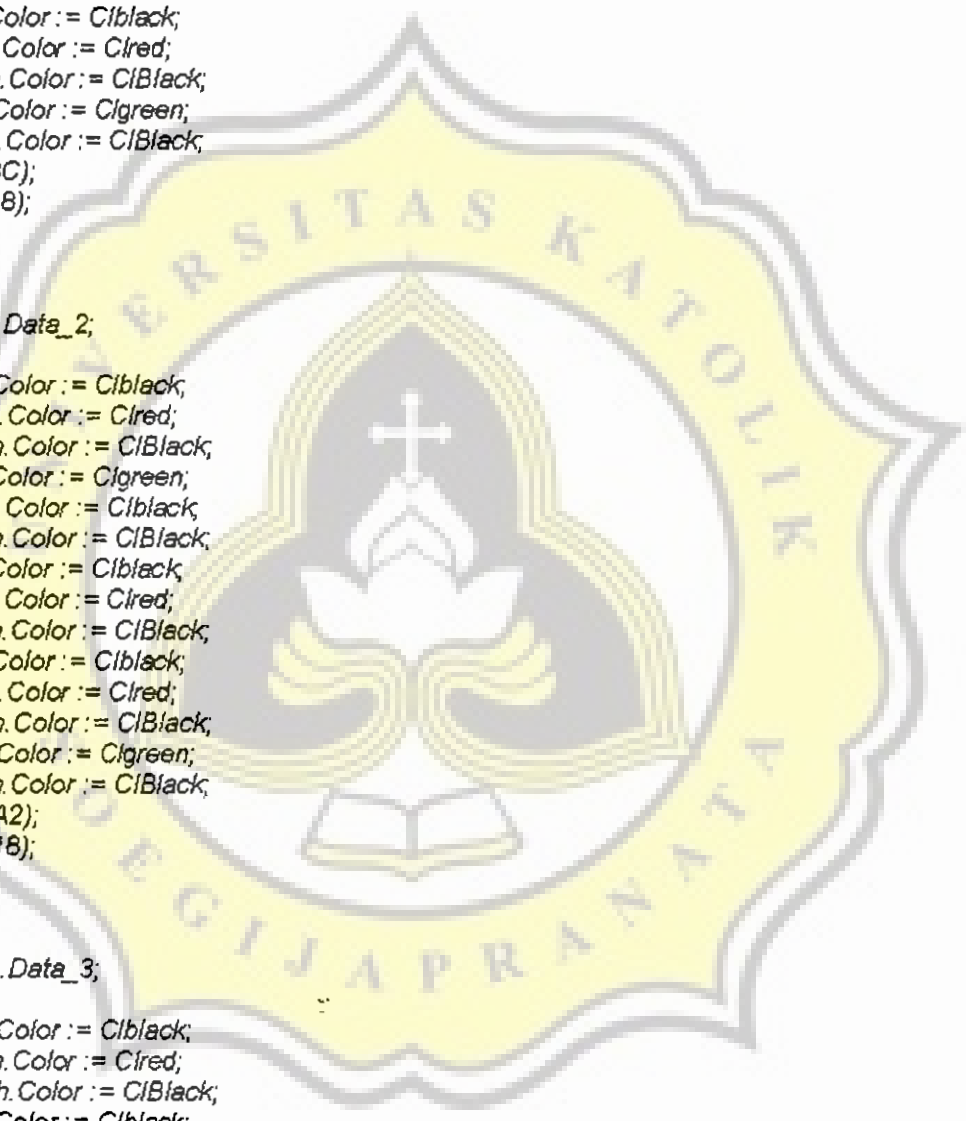
```
procedure TForm1.Data_2;  
begin
```

```
A_Hijau.Brush.Color := Cblack;  
A_Merah.Brush.Color := Cired;  
A_Kuning.Brush.Color := CBlack;  
b_Hijau.Brush.Color := Cgreen;  
b_Merah.Brush.Color := Cblack;  
b_Kuning.Brush.Color := CBlack;  
c_Hijau.Brush.Color := Cblack;  
c_Merah.Brush.Color := Cired;  
c_Kuning.Brush.Color := CBlack;  
e_Hijau.Brush.Color := Cblack;  
e_Merah.Brush.Color := Cired;  
e_Kuning.Brush.Color := CBlack;  
D_Hijau.Brush.Color := Cgreen;  
D_Merah.Brush.Color := CBlack;  
outport(porta,$A2);  
outport(portb,$18);
```

end;

```
procedure TForm1.Data_3;  
begin
```

```
A_Hijau.Brush.Color := Cblack;  
A_Merah.Brush.Color := Cired;  
A_Kuning.Brush.Color := CBlack;  
b_Hijau.Brush.Color := Cblack;  
b_Merah.Brush.Color := Cired;  
b_Kuning.Brush.Color := CBlack;  
c_Hijau.Brush.Color := Cgreen;  
c_Merah.Brush.Color := Cblack;  
c_Kuning.Brush.Color := CBlack;  
d_Hijau.Brush.Color := Cblack;  
d_Merah.Brush.Color := Cired;  
d_Kuning.Brush.Color := CBlack;  
e_Hijau.Brush.Color := Cblack;
```



```
e_Hijau.Brush.Color := Cblack;  
e_Merah.Brush.Color := Cired;  
e_Kuning.Brush.Color := CBlack;  
outport(porta, $0a);  
outport(portb, $13);
```

end;

```
procedure TForm1.Data_4;
```

```
begin
```

```
  A_Hijau.Brush.Color := Cblack;  
  A_Merah.Brush.Color := Cired;  
  A_Kuning.Brush.Color := CBlack;  
  b_Hijau.Brush.Color := Cblack;  
  b_Merah.Brush.Color := Cired;  
  b_Kuning.Brush.Color := CBlack;  
  c_Hijau.Brush.Color := Cblack;  
  c_Merah.Brush.Color := Cired;  
  c_Kuning.Brush.Color := CBlack;  
  d_Hijau.Brush.Color := Cgreen;  
  d_Merah.Brush.Color := Cblack;  
  d_Kuning.Brush.Color := CBlack;  
  e_Hijau.Brush.Color := Cgreen;  
  e_Merah.Brush.Color := Cblack;  
  e_Kuning.Brush.Color := CBlack;  
  outport(porta, $8a);  
  outport(portb, $48);
```

end;

```
procedure TForm1.Mulai_dtkClick(Sender: TObject);
```

```
begin
```

```
  stop := false;  
  mulai_dtk.enabled := false;
```

```
  repeat
```

```
    if (hour >= 6) or (hour <= 21) then;
```

```
    begin
```

```
      Data_1;  
      interval(1000000);  
      A_Kuning_Kdp;  
      interval(10000);  
      Data_2;  
      interval(1000000);  
      cf_kuning_kdp;  
      interval(10000);  
      Data_3;  
      interval(1000000);  
      cdef_Kuning_Kdp;  
      interval(10000);  
      data_4;  
      interval(1000000);  
      ea_Kuning_Kdp;
```

```

    interval(10000);
end;
if (hour >= 22) or (hour <= 5) then
begin
    semua_kuning_kdp;
end;

until stop;
end;

```

```

procedure TForm1.BitBtn3Click(Sender: TObject);
begin
    stop:=true;
    semua_kuning.enabled:=true;
    mulai_dtk.enabled:=true;
    dengan_jam.enabled:=true;
    close;

```

```
end;
```

```

procedure TForm1.semua_kuningClick(Sender: TObject);
begin

```

```

    stop:=false;
    semua_hitam;
    repeat

```

```
begin
```

```

    a_kuning.Brush.Color:=CIYellow;
    b_kuning.Brush.Color:=CIYellow;
    c_kuning.Brush.Color:=CIYellow;
    d_kuning.Brush.Color:=CIYellow;
    e_kuning.Brush.Color:=CIYellow;
    outport(porta,$51);
    outport(portb,$24);
    interval(100000);
    a_kuning.Brush.Color:=CIBlack;
    b_kuning.Brush.Color:=CIBlack;
    c_kuning.Brush.Color:=CIBlack;
    d_kuning.Brush.Color:=CIBlack;
    e_kuning.Brush.Color:=CIBlack;
    outport(porta,$00);
    outport(portb,$00);
    interval(100000);

```

```
end;
until stop;
```

```
end;
```

```

procedure TForm1.FormCreate(Sender: TObject);
begin

```

```

    outport(portcw,$80);
end;

```



```
procedure TForm1.TrafficA1Click(Sender: TObject);  
begin
```

```
  A_merah.brush.color:=clred;  
  outport(porta,$02);  
  interval(100000);{AMerah}  
  A_merah.brush.color:=clblack;  
  A_kuning.brush.color:=clyellow;  
  outport(porta,$01); {AKuning}  
  interval(100000);  
  A_merah.brush.color:=clblack;  
  A_kuning.brush.color:=clblack;  
  A_hijau.Brush.color:=clgreen;  
  outport(porta,$04); {AHijau}  
  interval(100000);  
  A_merah.brush.color:=clblack;  
  A_kuning.brush.color:=clblack;  
  A_hijau.Brush.color:=clblack;  
  outport(porta,$00);
```

```
end;
```

```
procedure TForm1.TrafficB1Click(Sender: TObject);  
begin
```

```
  b_merah.brush.color:=clred;  
  outport(porta,$08);  
  interval(100000);{AMerah}  
  b_merah.brush.color:=clblack;  
  b_kuning.brush.color:=clyellow;  
  outport(porta,$10); {AKuning}  
  interval(100000);  
  b_merah.brush.color:=clblack;  
  b_kuning.brush.color:=clblack;  
  b_hijau.Brush.color:=clgreen;  
  outport(porta,$20); {AHijau}  
  interval(100000);  
  b_merah.brush.color:=clblack;  
  b_kuning.brush.color:=clblack;  
  b_hijau.Brush.color:=clblack;  
  outport(porta,$00);
```

```
end;
```

```
procedure TForm1.TrafficC1Click(Sender: TObject);  
begin
```

```
  c_merah.brush.color:=clred;  
  outport(porta,$80);  
  interval(100000);{AMerah}  
  c_merah.brush.color:=clblack;  
  c_kuning.brush.color:=clyellow;  
  outport(porta,$40); {AKuning}  
  interval(100000);  
  c_merah.brush.color:=clblack;  
  c_kuning.brush.color:=clblack;  
  c_hijau.Brush.color:=clgreen;  
  outport(porta,$00);  
  outport(portb,$01); {AHijau}
```

```
interval(100000);  
c_merah.brush.color:=clblack;  
c_kuning.brush.color:=clblack;  
c_hijau.Brush.color:=clblack;  
outport(porta,$00);  
outport(portb,$00);  
end;
```

```
procedure TForm1.TrafficD1Click(Sender: TObject);  
begin
```

```
  D_merah.brush.color:=clred;  
  outport(portb,$02);  
  interval(100000);{AMerah}  
  D_merah.brush.color:=clblack;  
  D_kuning.brush.color:=clyellow;  
  outport(portb,$04); {AKuning}  
  interval(100000);  
  D_merah.brush.color:=clblack;  
  D_kuning.brush.color:=clblack;  
  D_hijau.Brush.color:=clgreen;  
  outport(portb,$08); {AHijau}  
  interval(100000);  
  D_merah.brush.color:=clblack;  
  D_kuning.brush.color:=clblack;  
  D_hijau.Brush.color:=clblack;  
  outport(portb,$00);
```

```
end;
```

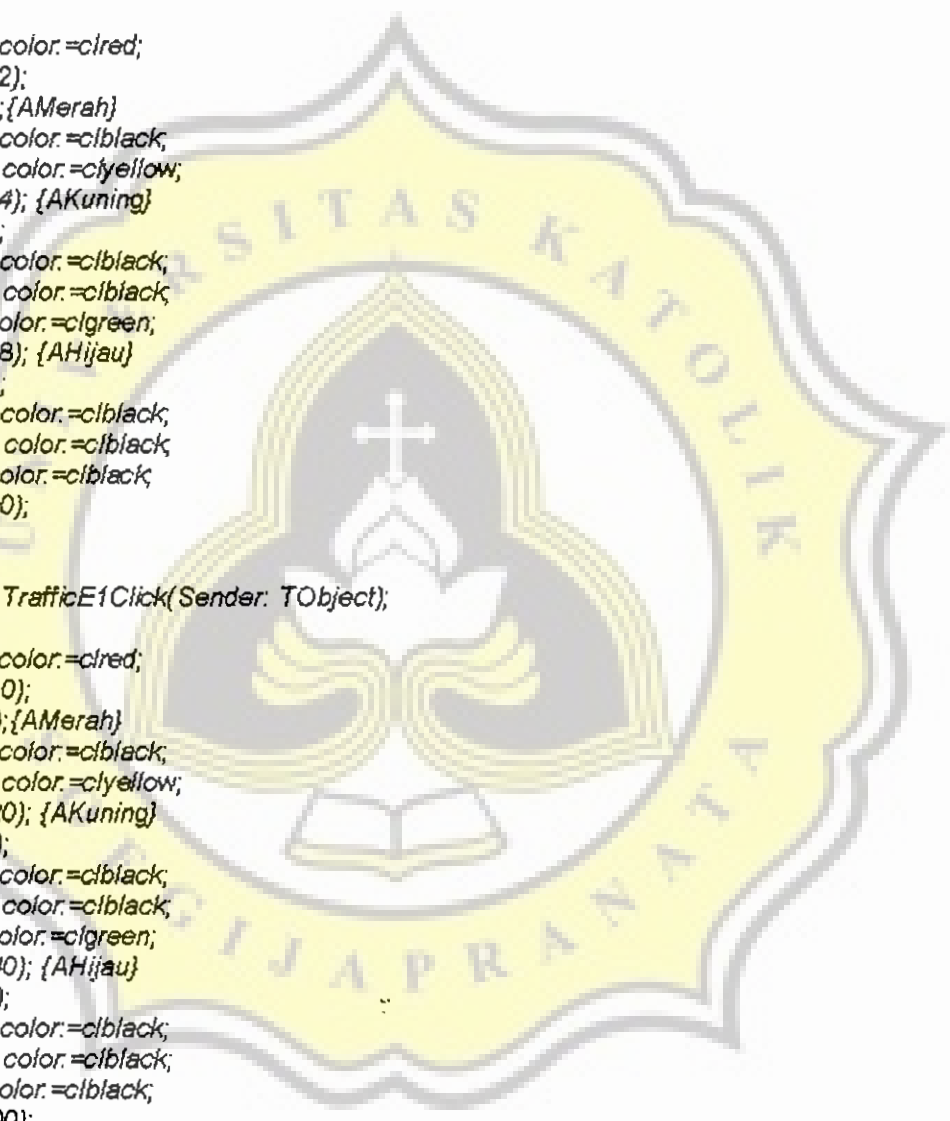
```
procedure TForm1.TrafficE1Click(Sender: TObject);  
begin
```

```
  e_merah.brush.color:=clred;  
  outport(portb,$10);  
  interval(100000);{AMerah}  
  e_merah.brush.color:=clblack;  
  e_kuning.brush.color:=clyellow;  
  outport(portb,$20); {AKuning}  
  interval(100000);  
  e_merah.brush.color:=clblack;  
  e_kuning.brush.color:=clblack;  
  e_hijau.Brush.color:=clgreen;  
  outport(portb,$40); {AHijau}  
  interval(100000);  
  e_merah.brush.color:=clblack;  
  e_kuning.brush.color:=clblack;  
  e_hijau.Brush.color:=clblack;  
  outport(portb,$00);
```

```
end;
```

```
procedure TForm1.TrafficF1Click(Sender: TObject);  
begin
```

```
  ker_merah.brush.color:=clred;  
  outport(portc,$04);  
  interval(100000);{AMerah}  
  ker_merah.brush.color:=clblack;  
  ker_kuning.brush.color:=clyellow;
```




```
outport(portc,$01); {AKuning}
interval(100000);
ker_merah.brush.color:=cblack;
ker_kuning.brush.color:=cblack;
ker_hijau.Brush.color:=cgreen;
outport(portc,$02); {AHijau}
interval(100000);
ker_merah.brush.color:=cblack;
ker_kuning.brush.color:=cblack;
ker_hijau.Brush.color:=cblack;
outport(portc,$00);
end;
```

```
procedure TForm1.Dengan_jamClick(Sender: TObject);
begin
```

```
stop:=false;
dengan_jam.enabled:=false;
```

```
repeat
```

```
if (hour >= 6) or (hour <= 8) then
begin
```

```
Data_1;
interval(10000000);
A_Kuning_Kdp;
interval(10000);
Data_2;
interval(10000000);
cf_kuning_kdp;
interval(10000);
Data_3;
interval(10000000);
cdef_Kuning_Kdp;
interval(10000);
data_4;
interval(10000000);
ea_Kuning_Kdp;
interval(10000);
```

```
end;
```

```
if (hour >= 9) or (hour <= 15) then
begin
```

```
Data_1;
interval(30000000);
A_Kuning_Kdp;
interval(10000);
Data_2;
interval(30000000);
cf_kuning_kdp;
interval(10000);
Data_3;
interval(30000000);
cdef_Kuning_Kdp;
interval(10000);
data_4;
interval(30000000);
```



```

    ea_Kuning_Kdp;
    interval(10000);
end;
if (hour >= 16) or (hour <= 21) then
begin
    Data_1;
    interval(10000000);
    A_Kuning_Kdp;
    interval(10000);
    Data_2;
    interval(10000000);
    cf_kuning_kdp;
    interval(10000);
    Data_3;
    interval(10000000);
    cdef_Kuning_Kdp;
    interval(10000);
    data_4;
    interval(10000000);
    ea_Kuning_Kdp;
    interval(10000);
end;
if (hour >= 22) or (hour <= 5) then
begin
    semua_kuning_kdp;
end;
until stop;
end;

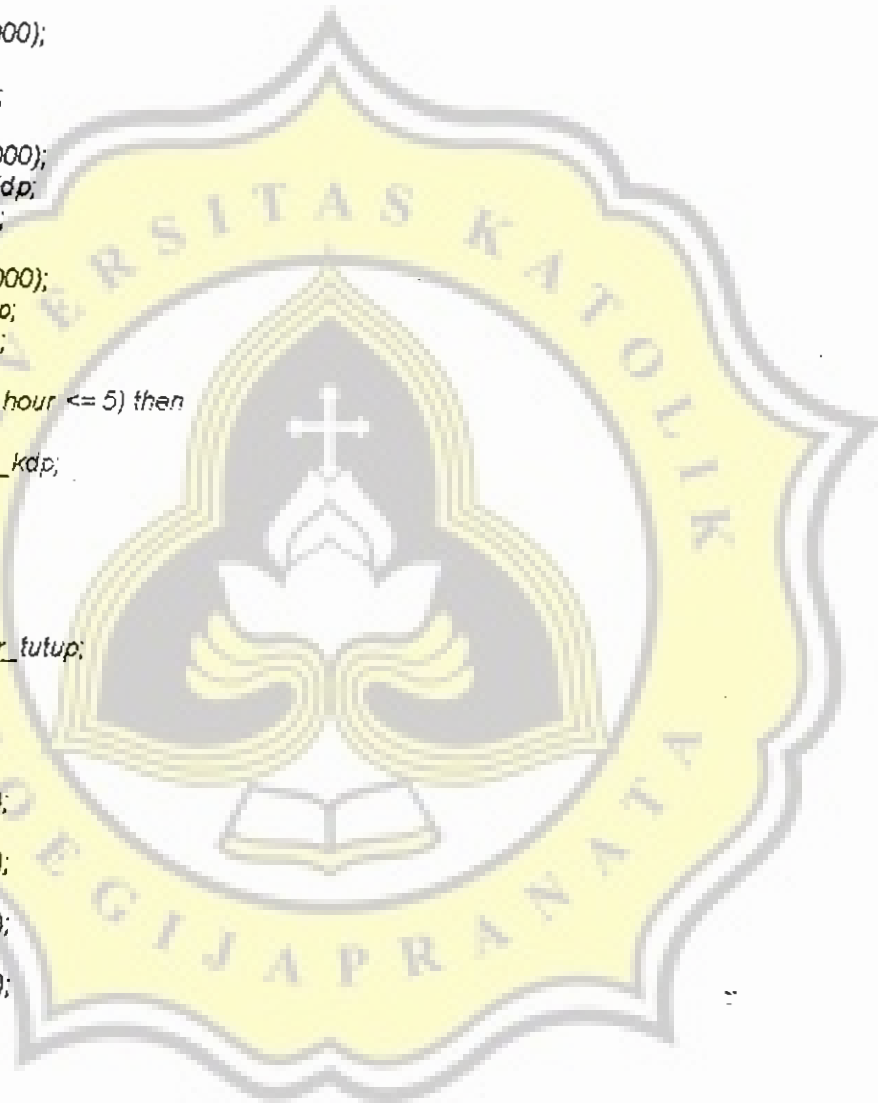
procedure TForm1.motor_tutup;
var n : integer;
begin
    n := 0;
    Repeat
        outport(portc, $84);
        interval(10000);
        outport(portc, $44);
        interval(10000);
        outport(portc, $24);
        interval(10000);
        outport(portc, $14);
        interval(10000);
        n := n + 1;
    Until n = 2;

end;

procedure TForm1.motor_buka;
var n : integer;
begin
    n := 0;

    Repeat

```




```
    outport(portc,$12);
    interval(10000);
    outport(portc,$22);
    interval(10000);
    outport(portc,$42);
    interval(10000);
    outport(portc,$82);
    interval(10000);
    n := n + 1;
Until n = 2;
```

```
end;
```

```
procedure TForm1.StepperTutup1Click(Sender: TObject);
var n : integer;
begin
    n := 0;
```

```
    Repeat
```

```
        outport(portc,$60);
        interval(10000);
        outport(portc,$40);
        interval(10000);
        outport(portc,$20);
        interval(10000);
        outport(portc,$10);
        interval(10000);
        n := n + 1;
```

```
    Until n = 2;
```

```
end;
{begin
```

```
    motor_tutup;
```

```
end;}
```

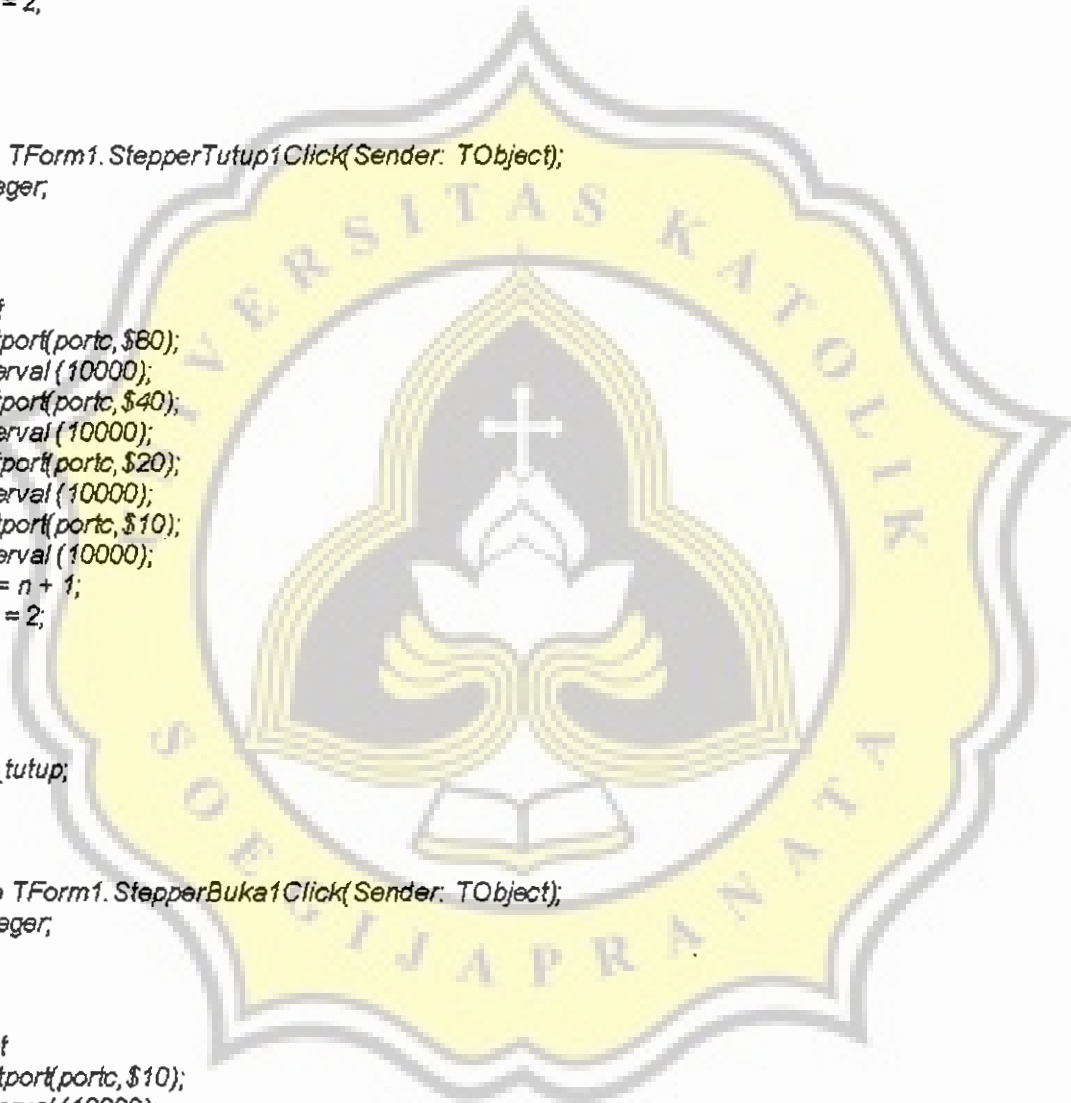
```
procedure TForm1.StepperBuka1Click(Sender: TObject);
var n : integer;
begin
```

```
    n := 0;
```

```
    Repeat
```

```
        outport(portc,$10);
        interval(10000);
        outport(portc,$20);
        interval(10000);
        outport(portc,$40);
        interval(10000);
        outport(portc,$80);
        interval(10000);
        n := n + 1;
```

```
    Until n = 2;
```



```
end;
```

```
{begin  
  motor_buka;  
end;}
```

```
procedure TForm1.CaraOperasional1Click(Sender: TObject);  
begin  
  form4.showmodal;  
end;
```

```
procedure TForm1.About1Click(Sender: TObject);  
begin  
  form2.showmodal;  
end;
```

```
procedure TForm1.kereta_dtgClick(Sender: TObject);  
begin  
  ker_hijau.Brush.Color:=Clgreen;  
  ker_merah.Brush.Color:=Cblack;  
  interval(100000);  
  ker_Kuning_kdp;  
  interval(20000);  
  ker_hijau.Brush.Color:=Cblack;  
  ker_merah.Brush.Color:=Clred;  
  motor_tutup;  
end;
```

```
procedure TForm1.kereta_prgClick(Sender: TObject);  
begin  
  ker_merah.brush.color := clred;  
  ker_hijau.brush.color := cblack;  
  interval(100000);  
  ker2_Kuning_kdp;  
  interval(50000);  
  ker_merah.brush.color := cblack;  
  ker_hijau.brush.color := clgreen;  
  motor_buka;  
end;
```

```
procedure TForm1.pintu_tutup;  
begin  
  ker_hijau.brush.color := cblack;  
  ker_Kuning.brush.color := clyellow;  
  outport(portc,$01);  
  interval(20000);  
  outport(portc,$04);  
  ker_Kuning.brush.color := cblack;  
  ker_merah.brush.color := clred;  
  interval(20000);  
  motor_tutup;  
end;
```

```
procedure TForm1.pintu_buka;  
begin  
    ker_merah.brush.color := clblack;  
    ker_Kuning.brush.color := clyellow;  
    outport(portc,$01);  
    interval(20000);  
    outport(portc,$02);  
    ker_Kuning.brush.color := clblack;  
    ker_hijau.brush.color := cigrreen;  
    interval(20000);  
    motor_buka;
```

end;

end.

