

LAMPIRAN

LAMPIRAN**1. LISTING PROGRAM**

```
#include <Wire.h>
#include <LiquidCrystal_I2C.h>
LiquidCrystal_I2C lcd(0x27, 2, 1, 0, 4, 5, 6, 7, 3, POSITIVE)

int jalan=-1;
int belakang=9;
int waktu1=0;
int model=6;
int mode2=7;
int star=0;
int mulai=8;
int waktu=0;
int durasi=0;
int detik=59;
int menit=0;
int c=1;
int d=1;
int e=1;

Void Setup() {
  pinMode (belakang, OUTPUT)
  pinMode (model, OUTPUT)
  pinMode (mode2, OUTPUT)
  pinMode (mulai, INPUT)
  lcd.begin(16, 4);
  lcd.setCursor(3, 2);
  lcd.print("BRA TERAPI");
  delay(2000);
  lcd.clear();
  Serial.begin(9600);}
```

```
void loop() {
  jalan=-1;
  digital Write(belakang,LOW);
  lcd.clear();
  lcd.SetCursor(2,1);
  lcd.print("SETTING WAKTU");
  lcd.SetCurso(4,2);
  lcd,print(waktu);
  lcd.print("MENIT");

  waktu1=digitalRead(model);
  if(waktu1 !=e){
    if(waktu1==LOW){
      waktu=15;
    }
  }
  e=waktu1;}

  waktu2=digitalRead(mode2);
  if(waktu2 !=c){
    if(waktu2==LOW){
      waktu=20;
    }
  }
  C=waktu2;
}

star = digitalRead(mulai);
if(star !=d){
  if(star==LOW){
jalan=waktu-1;
}
}
```

```
d=star:
  lcd.clear();
  lcd.print("SEDANG TERAPI");
  lcd.SetCursor(3,2);
  lcd.print(waktu);
  lcd.print(":");
  lcd.print("00");
  lcd.print("MENIT");
}
while(jalan>=0){
  digitalWrite(belakang,HIGH);
  waktu=0;
  durasi=durasi+1;
  if (durasi==7){
    durasi=0;
    lcd.clear();
    lcd.SetCursor(2,1);
    lcd.print("SEDANG TERAPI");
    lcd SetCursor(5,2);
    lcd.print(":");
    if(jalan>=10){
      lcd.SetCursor(3,2);
      lcd.print(jalan);
```

2. GAMBAR RANGKAIAN KESELURUHAN

