

LAMPIRAN A  
SOURCE CODE SISTEM

```
#include <Wire.h>

#include <LiquidCrystal_I2C.h>

LiquidCrystal_I2C lcd(0x3F,16, 2);

int dirpin = 2;

int steppin = 3;

void setup()

{

  Serial.begin (9600);

  lcd.begin();

  lcd.setCursor (1,0);

  lcd.print("BUKA GERBANG");

  lcd.setCursor (1,1);

  lcd.print("DENGAN RF3125");

  delay(2000);

  lcd.clear();

  lcd.setCursor(1,0);

  lcd.print ("BY ADI");

  lcd.setCursor (1,0);

  lcd.print("Tertutp");
```

```
        lcd.setCursor (1,1);
        lcd.print("B to Open");

        pinMode (13, OUTPUT) ;
        pinMode (12, OUTPUT) ;
        pinMode(dirpin, OUTPUT);
pinMode(stepPin, OUTPUT);

    }
    void loop()
    {

        int i;

        digitalWrite(dirpin, LOW); // Set the direction.
        delay(100);

        if (digitalRead(9) ) // Si hay dato valido
        {
            lcd.setCursor (1,0);
            lcd.print("Terbuka");
            lcd.setCursor (1,1);
```

```
    lcd.print("A to Close");

    Serial.println ("B PENCEt");

    for (i = 0; i<5700; i++)    // Iterate for 4000 microsteps.
    {
        digitalWrite(steppin, LOW); // This LOW to HIGH change is what creates the
        digitalWrite(steppin, HIGH); // "Rising Edge" so the easydriver knows to when
to step.
        delayMicroseconds(1000);    // This delay time is close to top speed for this
    }

    }

digitalWrite(dirpin, HIGH); // Change direction.
delay(100);

    if (digitalRead(11)) //
    {
```

```
lcd.setCursor (1,0);  
lcd.print("Tertutp");  
  lcd.setCursor (1,1);  
lcd.print("B to Open ");  
Serial.println ("A PENCET");  
  for (i = 0; i<5700; i++)    // Iterate for 4000 microsteps  
{  
  digitalWrite(steppin, LOW); // This LOW to HIGH change is what creates the  
  digitalWrite(steppin, HIGH); // "Rising Edge" so the easydriver knows to when  
to step.  
  delayMicroseconds(1000);    // This delay time is close to top speed for this  
  
}  
}  
}
```