LAMPIRAN

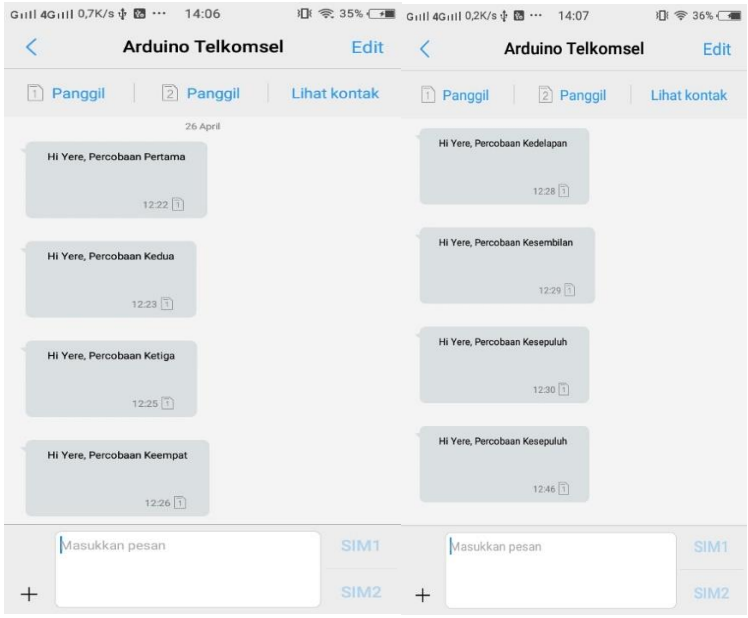
1) Source Code keseluruhan

```
#include "HX711.h"
#define DOUT  A0
#define CLK  A1
HX711 scale(DOUT, CLK);
float calibration_factor =15680;
int GRAM;
 #include <Wire.h>
#include <LiquidCrystal_I2C.h>
LiquidCrystal_I2C lcd(0x27, 16, 2);

const int PIN_7 = 7;
const int PIN_6 = 6;
#include <SoftwareSerial.h>
SoftwareSerial sim(2,3);// (TX ; 3, RX : 2)
String number = "081341322252"; // NO HP YANG DITUJUH
 #include <Servo.h>
Servo myservo ;
void setup() {
   Serial.begin(9600);
  Serial.println("Wait few seconds...");
  delay(1000);
  Serial.println("Sistem Started...");
  sim.begin(9600);
  delay(1000);
  Serial.println("Type c to make a call and s to send an SMS");
  scale.set_scale();
  scale.tare();
  lcd.begin();
   myservo.attach(6);
}
int sensor;
void loop() {
  scale.set_scale(calibration_factor);
  GRAM = scale.get_units(), 4 ;
  Serial.println(GRAM);
   lcd.setCursor(0,0);
```

```
          lcd.println(GRAM);
           lcd.setCursor(5,0);
lcd.print("Gram");


          if (GRAM <= 2)
         {
         lcd.setCursor(0,1);
         lcd.println("Buka Pakan");
         myservo.write(-10);
          delay (100);
         }
         else  {myservo.write(120);
         lcd.setCursor(0,1);
         lcd.println("                    ");}
          sensor=analogRead(A3);
          if(sensor >=900)
         { lcd.setCursor(11,1);
          lcd.println("SMS");
         SendMessage();
         delay (100);
         }
         else {
          lcd.setCursor (11,1);
          lcd.println("    ");}
         if (Serial.available() > 0)
            switch (Serial.read())
            {

              case 's':
                SendMessage();
                break;

            }
          if (sim.available() > 0)
            Serial.write(sim.read());
         }
```

```
void SendMessage()
{

  sim.println("AT+CMGF=1");
  delay(1000);
  sim.println("AT+CMGS=\"" + number + "\"\r");
  delay(1000);
 String SMS = "TANDON PAKAN kosong";
  sim.println(SMS);
  sim.println((char)26);
  delay(1000);

}
```

2) Gambar keseluruhan Alat, hasil SMS


14:06
35%
Arduino Telkomsel
Edit
Panggil
Panggil
Lihat kontak
26 April
Hi Yere, Percobaan Pertama
12:22
Hi Yere, Percobaan Kedua
12:23
Hi Yere, Percobaan Ketiga
12:25
Hi Yere, Percobaan Keempat
12:26
Masukkan pesan
SIM1
SIM2
14:07
36%
Arduino Telkomsel
Edit
Panggil
Panggil
Lihat kontak
Hi Yere, Percobaan Kedelapan
12:28
Hi Yere, Percobaan Kesembilan
12:29
Hi Yere, Percobaan Kesepuluh
12:30
Hi Yere, Percobaan Kesepuluh
12:46
Masukkan pesan
SIM1
SIM2