

LAMPIRAN

Lampiran 1 Program

```
int kiri = 4;
int kiri2 = 5;
int kanan = 6;
int kanan2 = 7;

int pwm1 = 9;
int pwm2 = 10;

int sumbux;
int sumbuy;
int sumbu;

String accelero;
void setup() {
  Serial.begin(9600);
  Serial.setTimeout(5);

  pinMode(kiri,OUTPUT);
  pinMode(kiri2,OUTPUT);
  pinMode(kanan,OUTPUT);
  pinMode(kanan2,OUTPUT);
  pinMode(pwm1,OUTPUT);
  pinMode(pwm2,OUTPUT);

  analogWrite(pwm1,200);
  analogWrite(pwm2,200);
}
void loop() {
```

```

    if (Serial.available() > 0)
    {
        accelero = Serial.readString();
        //Serial.println(accelero);
        if(accelero.startsWith("X"))
        {
            accelero.replace("X", "");
            //Serial.print("X= ");
            //Serial.print(accelero);
            //Serial.print("  ");
            sumbux = accelero.toInt();
            //Serial.println(sumbux);
        }
        else if(accelero.startsWith("Y"))
        {
            accelero.replace("Y", "");
            //Serial.print("Y= ");
            //Serial.print(accelero);
            //Serial.println("  ");
            sumbuy = accelero.toInt();
            //Serial.println(sumbuy);
        }
        Serial.print("X=");
        Serial.print(sumbux);
        Serial.print(" Y=");
        Serial.println(sumbuy);

        delay(200);

        if ((sumbux > -15) && (sumbux < 15) && (sumbuy > -15) && (sumbuy < 15))
        {
            //maju

```

```

Serial.println("MAJU");
digitalWrite(kiri, HIGH);
digitalWrite(kiri2, LOW);
digitalWrite(kanan, HIGH);
digitalWrite(kanan2, LOW);
}
if ((sumbux > -10) && (sumbux < 10) && (sumbuy > 20) && (sumbuy < 80))
{
//mundur
Serial.println("MUNDUR");
digitalWrite(kiri, LOW);
digitalWrite(kiri2, HIGH);
digitalWrite(kanan, LOW);
digitalWrite(kanan2, HIGH);
}
if ((sumbux > -10) && (sumbux < 10) && (sumbuy > -80) && (sumbuy < -20))
{
//stop
Serial.println("STOP");
digitalWrite(kiri, LOW);
digitalWrite(kiri2, LOW);
digitalWrite(kanan, LOW);
digitalWrite(kanan2, LOW);
}
sumbux = 0;
sumbuy = 0;
}
sumbux = 0;
sumbuy = 0;
}

```

Lampiran 2 Datasheet