

Mengaktifkan resistor Pull up internal Arduino

```
void setup ()
{
    pinMode (13, INPUT_PULLUP);
    pinMode (9,OUTPUT);
}

void loop()
{
    if (digitalRead(13 == LOW) )
    {
        digitalWrite(9,HIGH);
    }

    else
    {
        digitalWrite(9,LOW);
    }
}
```

Komunikasi Serial antara 2 Arduino Menggunakan resistor pull down eksternal

TX :

```
void setup ()  
{  
    Serial.begin(9600); // opens serial port, sets data rate to 9600 bps  
    pinMode (13, INPUT);  
}  
  
void loop ()  
{  
    if (digitalRead(13)==HIGH)  
    {  
        Serial.write (1);  
    }  
    else (Serial.write) (2);  
}
```

RX :

```
int data;

void setup ()
{
    Serial.begin(9600); // opens serial port, sets data rate to 9600 bps
    pinMode (9, OUTPUT);
}

void loop ()
{
    if (Serial.available())
    {
        data = Serial.read();
    }
    if (data == 1)
    {
        digitalWrite (9,HIGH);
    }
    else
    {
        digitalWrite(9,LOW);
    }
}
```