

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);
  }
}
```