

Lampiran 1 Souch Code

```
#include <SoftwareSerial.h>

SoftwareSerial BT(10, 11);

String perintah;

void setup() {
  BT.begin(9600);
  Serial.begin(9600);
  pinMode(2, OUTPUT);
  pinMode(3, OUTPUT);
  pinMode(4, OUTPUT);
  pinMode(5, OUTPUT);
}

void loop() {
  while (BT.available()) {
    delay(10);
    char c = BT.read();
    perintah += c;
  }

  if(perintah.length() > 0) {
    Serial.println(perintah);

    if (perintah == "hidupkan lampu kamar tidur")
    { digitalWrite(2, HIGH); }

    else if(perintah == "matikan lampu kamar tidur")
    { digitalWrite(2, LOW); }
```

```
else if(perintah == "hidupkan lampu kamar mandi")
{ digitalWrite(3, HIGH); }
else if(perintah == "matikan lampu kamar mandi")
{ digitalWrite(3, LOW); }
else if(perintah == "hidupkan lampu ruang tamu")
{ digitalWrite(4, HIGH); }
else if(perintah == "matikan lampu ruang tamu")
{ digitalWrite(4, LOW); }
else if(perintah == "hidupkan kipas angin")
{ digitalWrite(5, HIGH); }
else if(perintah == "matikan kipas angin")
{ digitalWrite(5, LOW); }
else if(perintah == "hidupkan semua")
{ digitalWrite(2, HIGH);
  digitalWrite(3, HIGH);
  digitalWrite(4, HIGH);
  digitalWrite(5, HIGH); }
else if(perintah == "matikan semua")
{ digitalWrite(2, LOW);
  digitalWrite(3, LOW);
  digitalWrite(4, LOW);
  digitalWrite(5, LOW); }
perintah="";}}
```