

## **LAMPIRAN**

## LAMPIRAN A

### Program Arduino IDE

```
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//babyscale2022

#include <ESP8266Firebase.h>
#include <ESP8266WiFi.h>
#include <SoftwareSerial.h>
#define _SSID "Lidar" // Your WiFi SSID
#define _PASSWORD "langkapaket" // Your
WiFi Password
#define PROJECT_ID "kebocoran22-default-
rtdb" // Your Firebase Project ID. Can be
found in project settings.

SoftwareSerial s(12, 14); // r&t pin 5 6
Firebase firebase(PROJECT_ID);

unsigned long awal = 0;
String dat = "";
String data1, data2;
unsigned long count = 0;
int a , b , c;
int berat,tinggi;

void setup()
{
  Serial.begin(115200);
  s.begin(9600);
  pinMode(LED_BUILTIN, OUTPUT);
  digitalWrite(LED_BUILTIN, LOW);
  WiFi.mode(WIFI_STA);
  WiFi.disconnect();
  delay(1000);

  // Connect to WiFi
  Serial.println();
```

```

Serial.println();
Serial.print("Connecting to: ");
Serial.println(_SSID);
WiFi.begin(_SSID, _PASSWORD);

while (WiFi.status() != WL_CONNECTED) {
    delay(500);
    Serial.print("-");
}

Serial.println("");
Serial.println("WiFi Connected");

// Print the IP address
Serial.print("Use this URL to connect: ");
Serial.print("http://");
Serial.print(WiFi.localIP());
Serial.println("/");
digitalWrite(LED_BUILTIN, HIGH);

}

void loop()
{
    serialread();
    if (count == 0) {
        firebase.setString("berat2",
String(berat));
        count = 1;
    }
    else if (count == 1) {
        firebase.setString("tinggi2",
String(tinggi));
        count = 2;
    }
}
}

```

```

void serialread() {
  if (s.available() > 0) {
    dat = s.readStringUntil('\n');
  }
  a = dat.indexOf('{');
  b = dat.indexOf(',');
  c = dat.indexOf('}');

  data1 = dat.substring(a + 1, b);
  data2 = dat.substring(b + 1, c);

  berat=data1.toInt();
  tinggi=data2.toInt();

  Serial.print (berat);
  Serial.print(" ");
  Serial.print(tinggi);
  Serial.println(" ");
}

```

### Program Esp8266

```

//babyscale22@gmail.com
//babyscale2022

```

```

#include <ESP8266Firebase.h>
#include <ESP8266WiFi.h>
#include <SoftwareSerial.h>
#define _SSID "Lidar" // Your WiFi SSID
#define _PASSWORD "langkapaket" // Your
WiFi Password
#define PROJECT_ID "kebocoran22-default-
rtdb" // Your Firebase Project ID. Can be
found in project settings.

```

```

SoftwareSerial s(12, 14); //r&t pin 5 6
Firebase firebase(PROJECT_ID);

```

```

unsigned long awal = 0;
String dat = "";
String data1, data2;

```

```

unsigned long count = 0;
int a , b , c;
int berat,tinggi;

void setup()
{
  Serial.begin(115200);
  s.begin(9600);
  pinMode(LED_BUILTIN, OUTPUT);
  digitalWrite(LED_BUILTIN, LOW);
  WiFi.mode(WIFI_STA);
  WiFi.disconnect();
  delay(1000);

  // Connect to WiFi
  Serial.println();
  Serial.println();
  Serial.print("Connecting to: ");
  Serial.println(_SSID);
  WiFi.begin(_SSID, _PASSWORD);

  while (WiFi.status() != WL_CONNECTED) {
    delay(500);
    Serial.print("-");
  }

  Serial.println("");
  Serial.println("WiFi Connected");

  // Print the IP address
  Serial.print("Use this URL to connect: ");
  Serial.print("http://");
  Serial.print(WiFi.localIP());
  Serial.println("/");
  digitalWrite(LED_BUILTIN, HIGH);
}

void loop()
{

```

```

    serialread();
    if (count == 0) {
        firebase.setString("berat1",
String(berat));
        count = 1;
    }
    else if (count == 1) {
        firebase.setString("tinggil",
String(tinggi));
        count = 2;
    }
}

void serialread() {
    if (s.available() > 0) {
        dat = s.readStringUntil('\n');
    }
    a = dat.indexOf('{');
    b = dat.indexOf(',');
    c = dat.indexOf('}');
    data1 = dat.substring(a + 1, b);
    data2 = dat.substring(b + 1, c);

    berat=data1.toInt();
    tinggi=data2.toInt();

    Serial.print (berat);
    Serial.print (" ");
    Serial.print(tinggi);
    Serial.println(" ");
}
//babyscale22@gmail.com
//babyscale2022

#include <ESP8266Firebase.h>
#include <ESP8266WiFi.h>
#include <SoftwareSerial.h>
#define _SSID "Lidar"           // Your WiFi SSID

```

```
#define _PASSWORD "langkapaket" // Your
WiFi Password
#define PROJECT_ID "kebocoran22-default-
rtdb" // Your Firebase Project ID. Can be
found in project settings.
```

```
SoftwareSerial s(12, 14); // r&t pin 5 6
Firebase firebase(PROJECT_ID);
```

```
unsigned long awal = 0;
String dat = "";
String data1, data2;
unsigned long count = 0;
int a , b , c;
int berat,tinggi;
```

```
void setup()
```

```
{
  Serial.begin(115200);
  s.begin(9600);
  pinMode(LED_BUILTIN, OUTPUT);
  digitalWrite(LED_BUILTIN, LOW);
  WiFi.mode(WIFI_STA);
  WiFi.disconnect();
  delay(1000);

  // Connect to WiFi
  Serial.println();
  Serial.println();
  Serial.print("Connecting to: ");
  Serial.println(_SSID);
  WiFi.begin(_SSID, _PASSWORD);

  while (WiFi.status() != WL_CONNECTED) {
    delay(500);
    Serial.print("-");
  }

  Serial.println("");
  Serial.println("WiFi Connected");
```

```

// Print the IP address
Serial.print("Use this URL to connect: ");
Serial.print("http://");
Serial.print(WiFi.localIP());
Serial.println("/");
digitalWrite(LED_BUILTIN, HIGH);

}

void loop()
{
  serialread();
  if (count == 0) {
    firebase.setString("berat2",
String(berat));
    count = 1;
  }
  else if (count == 1) {
    firebase.setString("tinggi2",
String(tinggi));
    count = 2;
  }
}

}

void serialread() {
  if (s.available() > 0) {
    dat = s.readStringUntil('\n');
  }
  a = dat.indexOf('{');
  b = dat.indexOf(',');
  c = dat.indexOf('}');

  data1 = dat.substring(a + 1, b);
  data2 = dat.substring(b + 1, c);
}

```



```
berat=data1.toInt();  
tinggi=data2.toInt();  
  
Serial.print (berat);  
Serial.print (" ");  
Serial.print(tinggi);  
Serial.println(" ");  
}
```

## Lampiran B

### Dokumentasi Kegiatan

