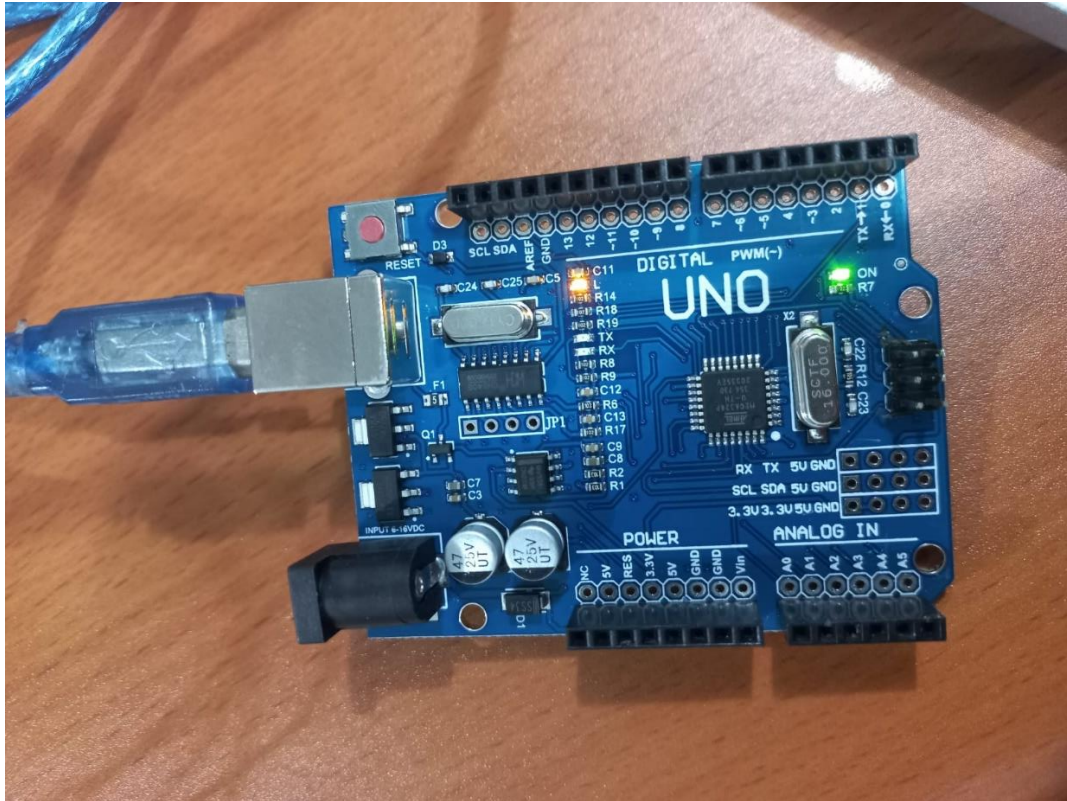


Nama : Muhammad Grahito Ramadhan

NIM :3332200089

0. Arduino Uno



1. Membuat Listing Code

```
File Edit Selection View Go Run Terminal Help
mancpp - ImbeddedCrahts - Visual Studio Code

PROJECT TASKS
  2) default
  3) uno
  General
  Build
  Upload
  Monitor
  Upload and Monitor
  Clean
  Clean All
  Platform
  Program Size
  Upload EEPROM
  Set Fuses
  Run Bootloader
  Dependencies
  Advanced
  Remote Development

ONLINE ACCESS
  PIO Home
  Open
  PIO Account
  Project & Configuration
  Libraries
  Boards
  Platforms
  Devices

Debug
  Start Debugging
  Toggle Debug Console
  Miscellaneous
  PlatformIO Core CLI
  Clone Git Project
  New Terminal
  Upgrade PlatformIO Core

src > @ mancpp > @ loop
1 #include <Arduino.h>
2 #include <SoftwareSerial.h>
3
4 SoftwareSerial BT(0, 0); // pin RX | TX
5
6 int LED=10;
7 int data;
8 void setup() {
9   pinMode(LED,HIGH);
10  digitalWrite(LED,LOW);
11  BT.begin(9600); //Baundrate module bluetooth
12  BT.println("LED START");
13  // put your setup code here, to run once:
14 }
15 void loop() {
16   if(BT.available() > 0)
17   {
18     data = BT.read();BT.print(data); //Pembacaan dan ditampilkan data yang masuk
19     BT.print("\n");
20     //data yang masuk
21     if(data == '1')
22     {
23       digitalWrite(LED,HIGH);//diberikan waktu tunda 1 detik
24     }
25     else if(data == '0'){
26       digitalWrite(LED, LOW);
27     }
28   }
29   // put your main code here, to run repeatedly:
30 }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Executing task: C:\Users\yuhau\platformio\scripts\platformio.exe device monitor

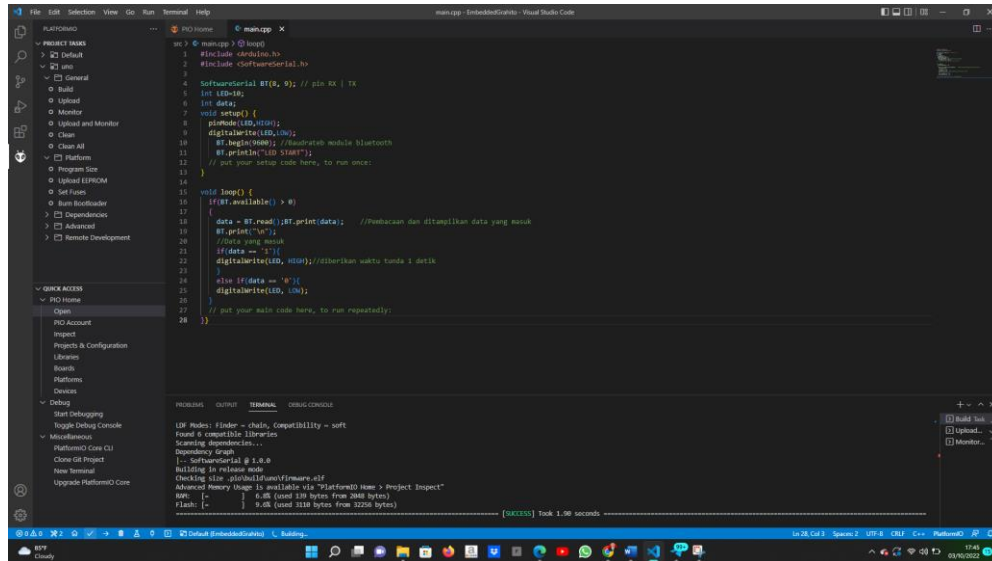
Terminal on COM8 | 9600 8-N-1

Available filters and text transformations: colorize, debug, default, direct, hexlify, jsonFile, mcontrol, printable, send_on_enter, time

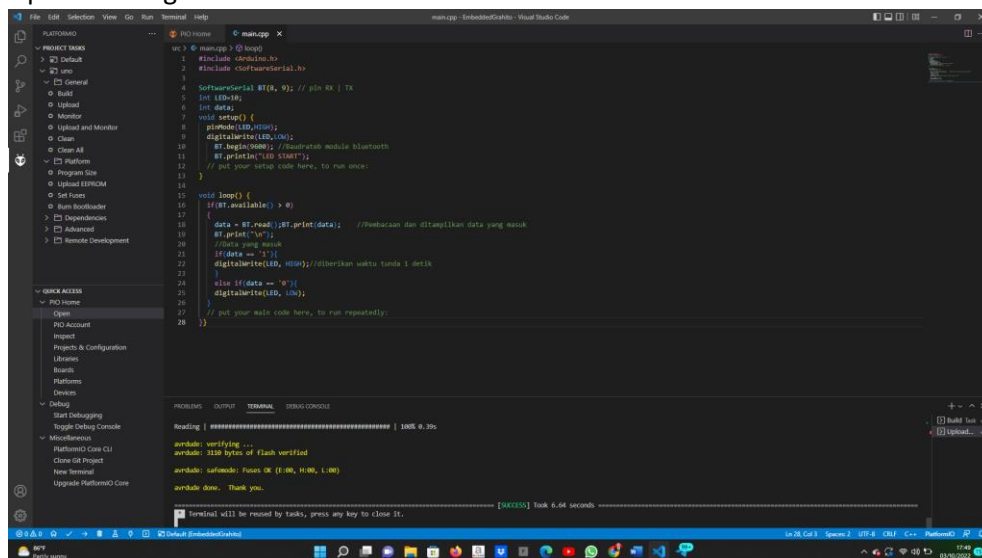
More details at <https://bit.ly/pio-monitor-filters>

Quit: Ctrl+C | Menu: Ctrl+F | Help: Ctrl+F followed by Ctrl+L

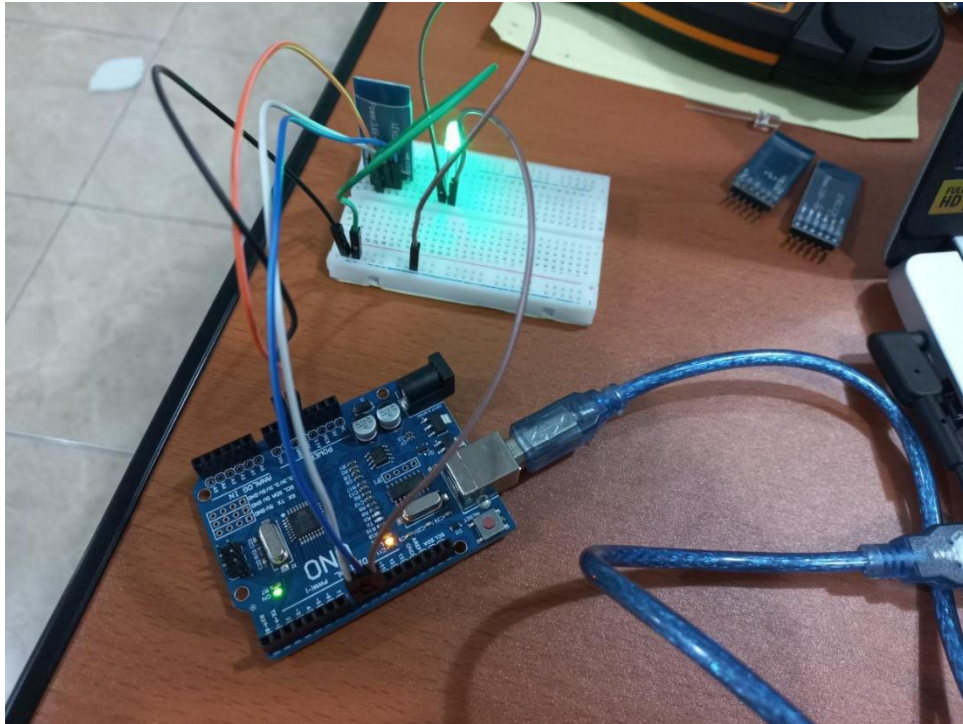
2. Build



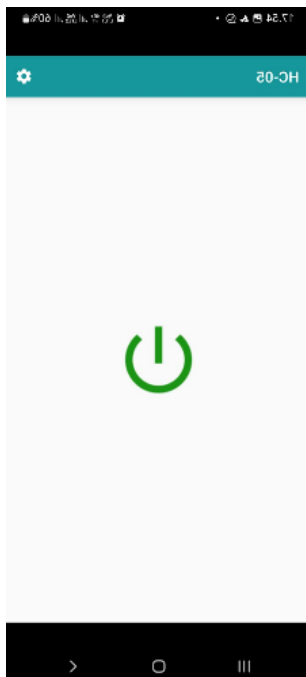
3. Upload Listing Code ke Arduino Uno



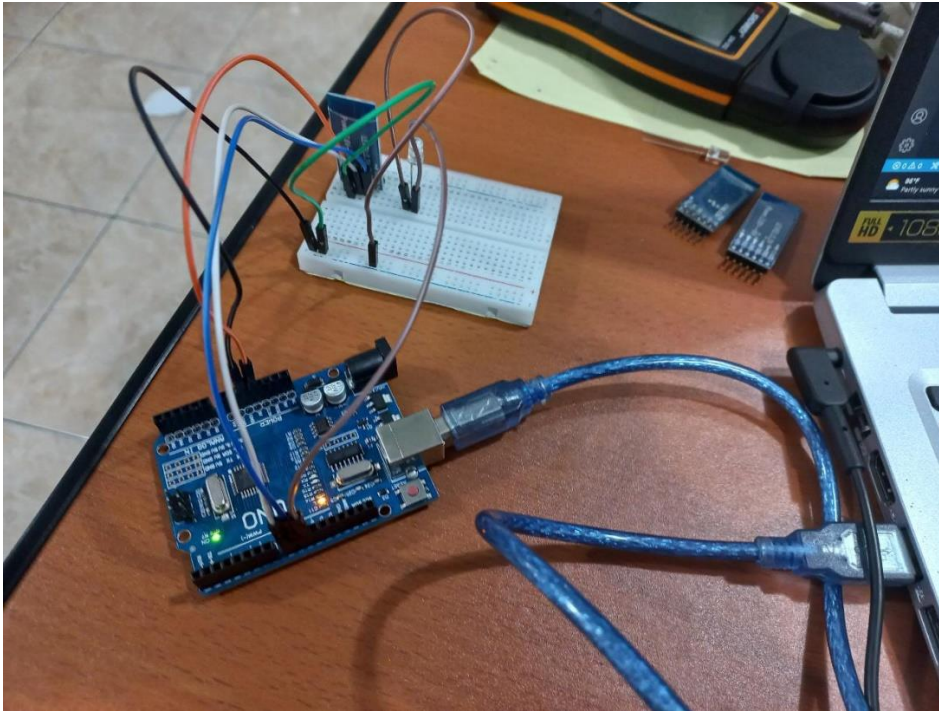
4. LED ON



5. Kontrol ON



6. LED OFF



7. Kontrol OFF

