

INSTALASI DAN KONFIGURASI JOBSHEET 3



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(1941720080/19)

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG



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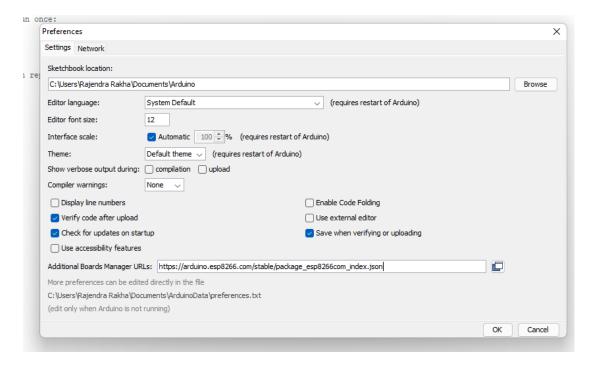
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1. Install Arduino



2. Add Boards Manager URL





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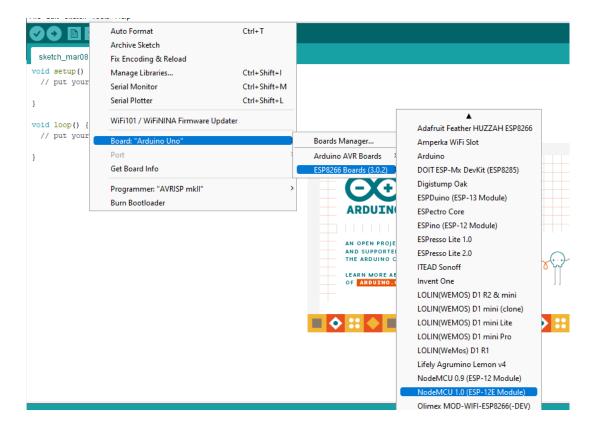
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3. Install esp8266



4. Select ESP Board



5. Install Fritzing



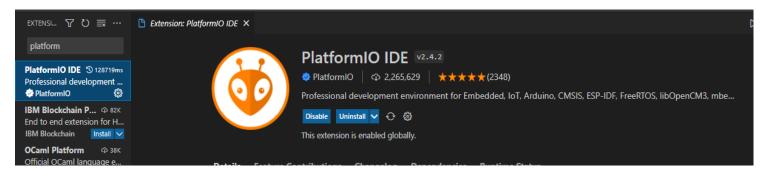


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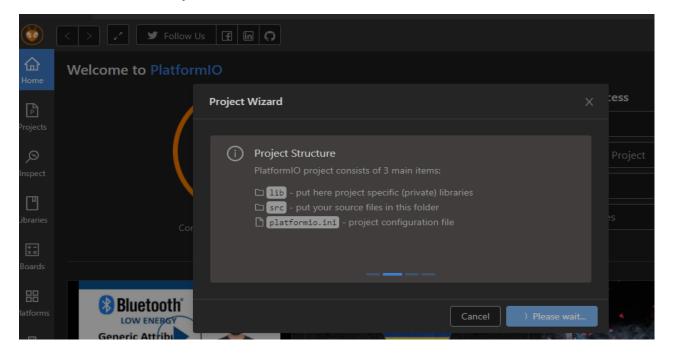
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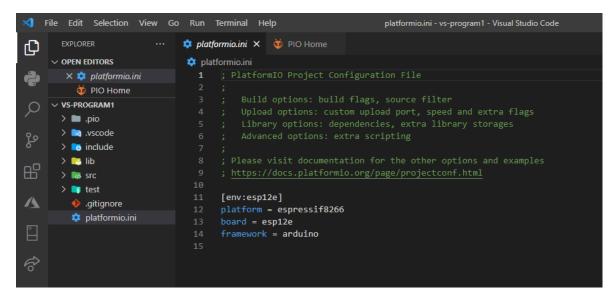
6. Install PlatformIDE Extension



7. Make a new Project



8. Display After Installation Success



9. Inputing Code

```
o Run Terminal Help main.cpp - vs-program1 - Visual Studio Code

C** main.cpp × ♥ PIO Home

src > C** main.cpp > ♥ loop()

1 #include <Arduino.h>
2
3 void setup() {
4 | Serial.begin(115200);// setbaudrate 115200
5 }

6
7 void loop() {
8 | Serial.println("Hello world");// menampilkan string ke serial monitor delay(1000);// jeda 1000 ms

10
```

10. Testing Run

```
PROBLEMS 2 OUTPUT
TERMINAL
                                   DEBUG CONSOLE
Hello world
--- exit ---
Terminal will be reused by tasks, press any key to close it.
```

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11. Turn On Lamp Code

```
C·· main.cpp 2 X platformio.ini
                                  C_cpp_properties.json
src > ← main.cpp > ⊖ loop()
       #include <Arduino.h>
       #define LED D0
       void setup() {
         pinMode(LED,OUTPUT);
       void loop() {
         digitalWrite(LED,HIGH);
         delay(1000);// jeda 1000 ms
  11
  12
         digitalWrite(LED,LOW);
  13
         delay(1000);// jeda 1000 ms
  15
  17
  18
```

12. RESULT

