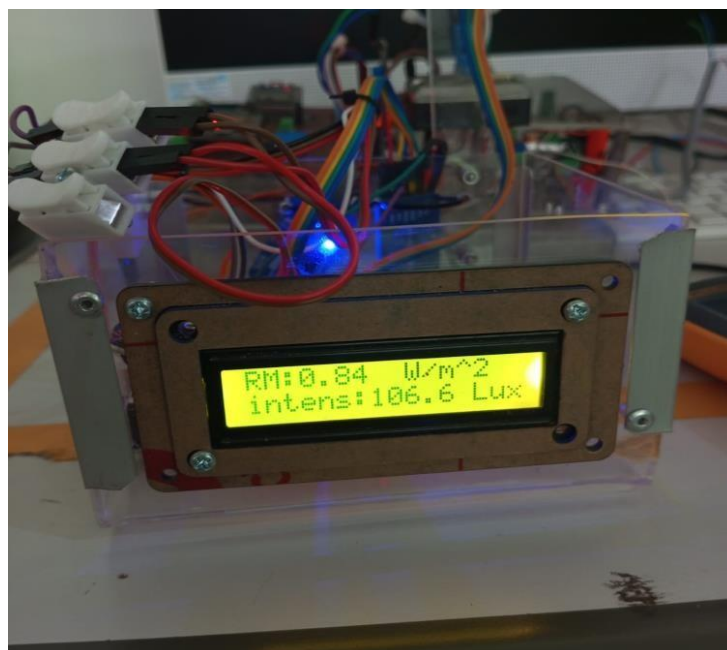


Lampiran

Lampiran 1. Alat *Automatic Solar Radiation Station (ASRS)* BMKG Sungai duren



Lampiran 2. Tampilan data radiasi dan lux terukur oleh alat perancangan



Lampiran 3. Tampilan data Sheet sensor bh1750

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Data Specs

BH1750 Ambient Light Sensor Module

BH1750 Module is an digital Ambient Light Sensor IC for I2C bus interface. This module is the most suitable to obtain the ambient light data for adjusting LCD and Keypad backlight power of Mobile phone. It is possible to detect wide range at High resolution of 1~65535 lux.



SKU: 88R1054

Brief Data:

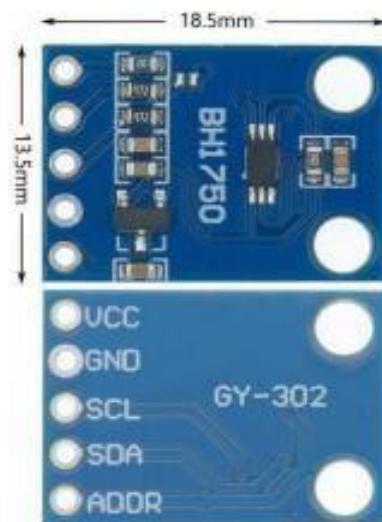
- Module Type: GY-302
- Sensor IC: BH1750FVI ROHM
- Power Supply: 5Vdc.
- Data range: 0-65535
- Data Type: 16bit Serial.
- Direct digital output, bypassing the complicated calculation, omit calibration
- Close to the visual sensitivity of spectral characteristics
- For a wide range of brightness for 1 lux high precision measurement
- Size: 13.9 mm X 18.5 mm.

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Mechanical Dimension:

Unit: mm



Functional Diagram:



- VIN - Power Supply 5Vdc.
- GND - Power Supply Ground.
- SCL - I2C clock pin, connect to your microcontroller I2C clock line.
- SDA - I2C data pin, connect to your microcontroller I2C data line.
- ADDR/AD0 Jumper - I2C Address pin. Pulling this pin high or bridging the solder jumper on the back will change the I2C address from 0x23 to 0x5C.



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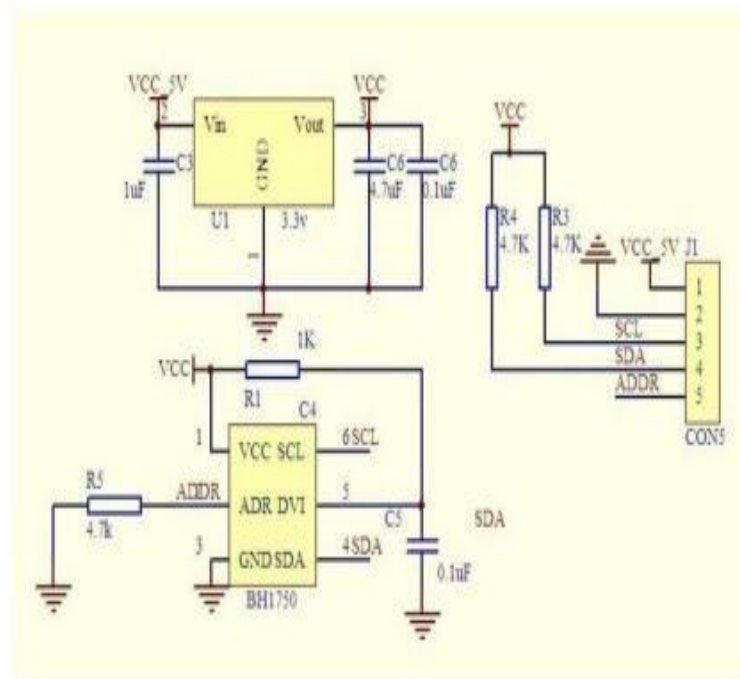
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Schematic Diagram:



Web Resources:

- [BH1750 Sensor Arduino Library](#)

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