Sumber Pembelajaran :

1. <https://kelasrobot.com/cara-mudah-program-fingerprint-dengan-arduino/> //sensor fingerprint
2. <https://www.arduino.cc/en/Tutorial/BuiltInExamples/StringComparisonOperators> //perbandingan string untuk hari
3. <https://create.arduino.cc/projecthub/embeddedlab786/real-time-clock-with-alarm-40a1d0?ref=platform&ref_id=424_recent___&offset=3> //perbandingan waktu / jam
4. <https://www.parallax.com/package/plx-daq/> //apps plx-daq ( penghubung Arduino excel )
5. <http://www.keretalistrik.com/2019/08/dunia-listrik-data-logger-plx-daq.html> //pembelajaran plx-daq
6. <https://kelasrobot.com/cara-simple-program-lcd-i2c-16x2-menggunakan-arduino/> //lcd 16x2 I2C
7. <https://mikrokontroler.mipa.ugm.ac.id/2018/10/02/program-lcd-i2c/> //pembelajaran I2C
8. <http://saptaji.com/2015/07/24/komunikasi-serial-sinkron-i2ciictwi-dengan-arduino/> //pembelajaran SDA SCL
9. <https://www.nyebarilmu.com/tutorial-arduino-mengakses-module-rtc-ds3231/> //module RTC
10. <https://www.fanselectronics.com/2019/01/16/belajar-pemrograman-arduino-komunikasi-serial/> //komunikasi serial tx rx
11. <https://www.arduino.cc/en/Reference/LiquidCrystalCreateChar> //character smile LCD 16x2
12. <http://arduinomedan.blogspot.com/2016/06/cara-membuat-custom-love-dengan-arduino.html> //pembuatan karakter LCD 16x2

Alat dan Bahan

Arduino Uno

RTC DS3231 ( Real Time Clock )

LCD 16 x 2 dengan module I2C

Fingerprint Sensor Recognition Module AS608

Kabel Jumper

LED blue

LED red

Resistor 220 ohm

USB cable

Library Arduino :

<https://github.com/adafruit/Adafruit-Fingerprint-Sensor-Library>

<https://www.nyebarilmu.com/tutorial-arduino-mengakses-module-rtc-ds3231/#google_vignette>

<https://www.arduino.cc/reference/en/libraries/liquidcrystal-i2c/>