|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Microkontroller ESP32 UE Wroom | Sensor Input | **Humidity** | SHT31 | Modul | 3.3v | I2C |
|  | **Presure** | PSAN-1CPA | Modul | 12v | ADS1015 (I2C) |
|  | **CO** | MQ-9 | Modul | 5v |
|  | **Temp 1** | DS 18B20 | Modul | 3.3v | Onewire (A) |
|  | **Temp 2** | DS 18B20 | Modul | 3.3v | Onewire(A) |
|  | **RTC** | DS3231 | Chip cr1220 (bat) | 3.3v | I2C |
|  |  |  |  |  |  |
| Output | **Buzzer AC** | - |  | Relay | D |
|  | **Buzzer DC** | - |  | 5v | D |
|  | **Motor 1** | - |  | AC Relay | D |
|  | **Motor 2** | - |  | D |
|  | **Auto Drain** | - |  | D |
|  | **LCD** | Nextion |  | 5v | RX TX |
|  | **LoRa** | Ra-02 / E220 | Chip | 3.3 v | SPI |
|  | **SDCARD** | MSD-4-A | Chip | 5v | SPI |
|  | **F-ram** | FM24C64 | Chip | 5v | I2C |

Keterangan:

D = Pin Digital

A = Pin Analog

Tabel Warna Biru = Pengembangan dalam PCB

Standart PIN

JS\_SH Standart 2.54 socket

Molek kk 3.96

Membuat test poin

P n pakai capacitor keramik

Mikro pakai tantalun

==🡺 Kaki Pin JST 🡸==

1 => VCC

2 => Data

3 => Gnd