List ambil data:

1. Untuk mengetahui karakteristik pompa diambil dat
   1. AO: Vpompa = [2,4,6,8,10]
   2. AI : V\_FT, V\_LT,saat CV 100% untuk tiap tegangan

1. Untuk mengetahui karakteristik valve flow control diambil data
   1. AO: Vvalve = [12,16,20,24]
   2. AI : V\_FT, V\_LT, ,saat pompa 100%
2. Untuk mengetahui karakteristik drain valve diambil dat
   1. AO: Vdrain valve = [2,4,6,8,10]
   2. AI : V\_FT, V\_LT saat CV 100% untuk tiap tegangan
3. Summary variable kontrol: AO

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Pengujian | Limit T | Trial ke | Vpompa | V\_valveFC | V\_drainValve | Sudah save csv? |
| Pompa | 2 menit | 1 | 2 | 22 | 0 | 2Vpompa\_22Vfc |
|  |  | 2 | 4 |  |  | 4Vpompa\_22Vfc |
|  |  | 3 | 6 |  |  | 6Vpompa\_22Vfc |
|  |  | 4 | 8 |  |  | 8Vpompa\_22Vfc |
|  |  | 5 | 10 |  |  | 10Vpompa\_22Vfc |
| Flow Control Valve | 2 menit | 1 | 2 | 10 | 0 | 2Vpompa\_10Vfc |
|  |  |  |  | 12 |  | 2Vpompa\_12Vfc |
|  |  |  |  | 15 |  | 2Vpompa\_15Vfc |
|  |  |  |  | 18 |  | 2Vpompa\_18Vfc |
|  |  |  |  | 21 |  | 2Vpompa\_21Vfc |
|  |  |  |  | 22 | Sudah diambil di pompa 22V |  |
|  |  | 2 | 4 | 10 |  | 4Vpompa\_10Vfc |
|  |  |  |  | 12 |  | 4Vpompa\_12Vfc |
|  |  |  |  | 15 |  | 4Vpompa\_15Vfc |
|  |  |  |  | 18 |  | 4Vpompa\_18Vfc |
|  |  |  |  | 21 |  | 4Vpompa\_21Vfc |
|  |  |  |  | 22 | Sudah diambil di pompa 22V |  |
|  |  | 3 | 6 | 10 |  | 6Vpompa\_10Vfc |
|  |  |  |  | 12 |  | 6Vpompa\_12Vfc |
|  |  |  |  | 15 |  | 6Vpompa\_15Vfc |
|  |  |  |  | 18 |  | 6Vpompa\_18Vfc |
|  |  |  |  | 21 |  | 6Vpompa\_21Vfc |
|  |  |  |  | 22 | Sudah diambil di pompa 22V |  |
|  |  | 4 | 8 | 10 |  | 8Vpompa\_10Vfc |
|  |  |  |  | 12 |  | 8Vpompa\_12Vfc |
|  |  |  |  | 15 |  | 8Vpompa\_15Vfc |
|  |  |  |  | 18 |  | 8Vpompa\_18Vfc |
|  |  |  |  | 21 |  | 8Vpompa\_21Vfc |
|  |  |  |  | 22 | Sudah diambil di pompa 22V |  |
|  |  | 5 | 10 | 10 |  | 10Vpompa\_10Vfc |
|  |  |  |  | 12 |  | 10Vpompa\_12Vfc |
|  |  |  |  | 15 |  | 10Vpompa\_15Vfc |
|  |  |  |  | 18 |  | 10Vpompa\_18Vfc |
|  |  |  |  | 21 |  | 10Vpompa\_21Vfc |
|  |  |  |  | 22 | Sudah diambil di pompa 22V |  |
| Drain valve |  | 1 | 0 | 0 | 2 |  |
|  |  | 2 |  |  | 4 |  |
|  |  | 3 |  |  | 6 |  |
|  |  | 4 |  |  | 8 |  |
|  |  | 5 |  |  | 10 |  |

Prosedur harap urut

1. Kosongkan tangki
2. Matikan manual drain valve
3. Lihat osiloskop, untuk awal, pastikan tegangan FC valve 0V atau 2.4V (minimum voltage, max V\_FCvalve=22V)
4. Lihat osiloskop, untuk awal, tegangan pompa 0V (max Vpompa=10V)
5. Debug STM32
6. Nyalakan PCT100 control box dan sambungkan kabel DB25.
7. Pastikan sambungan jumper FC valve amperemeter ke jumper MOSFET STM
8. Run Debug
9. Buka serial monitor Arduino, pastikan AO0 dan AO1 connected
10. Tunggu sampai selesai, atau ada pesan status f\_write error
11. Ambil SDCard copy ke folder TA PCT100 sesuai nama folder
12. Jangan buang air dulu, ukur tinggi air dari dasar kolam dengan penggaris. Catat nilainya.