

Starting

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Serial Monitor × Output  
Message (Enter to send message to 'ESP32 Dev Module' on 'COM10') No Line Ending ▾ 115200 baud ▾  
  
22:38:53.245 -> [SETUP] Memulai Sistem Irigasi Cerdas Final...  
22:38:53.245 -> [1018] Connecting to Fanara  
22:38:56.825 -> [4603] Connected to WiFi  
22:38:56.825 -> [4603] IP: 192.168.1.13  
22:38:56.825 -> [4603]  
22:38:56.825 ->  
22:38:56.825 ->      _/_/_/_/_/_/_/  
22:38:56.825 ->     /_// // // // \_  
22:38:56.862 ->    /__/_/_\_/ // // \_\_  
22:38:56.862 ->           /___/ v1.3.2 on ESP32  
22:38:56.862 ->  
22:38:56.862 -> #StandWithUkraine https://bit.ly/swua  
22:38:56.862 ->  
22:38:56.862 ->  
22:38:56.862 -> [4613] Connecting to blynk.cloud:80  
22:38:56.943 -> [4696] Ready (ping: 35ms).  
22:38:58.977 -> [INFO] Nilai ADC: 2183 -> Kelembaban: 57%  
22:39:00.996 -> [INFO] Nilai ADC: 2192 -> Kelembaban: 56%  
22:39:03.024 -> [INFO] Nilai ADC: 2144 -> Kelembaban: 59%  
22:39:04.984 -> [INFO] Nilai ADC: 4095 -> Kelembaban: 0%  
22:39:04.984 -> [AKSI] Tanah kering. -> PERINTAH: POMPA ON  
22:39:06.978 -> [INFO] Nilai ADC: 2418 -> Kelembaban: 42%  
22:39:09.008 -> [INFO] Nilai ADC: 2624 -> Kelembaban: 29%  
22:39:10.978 -> [INFO] Nilai ADC: 2559 -> Kelembaban: 33%  
22:39:12.982 -> [INFO] Nilai ADC: 1611 -> Kelembaban: 93%
```

Kelembaban <35 % =
pompa ON

Kelembaban >75 % =
pompa OFF

```
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22:39:52.988 -> [INFO] Nilai ADC: 2441 -> Kelembaban: 41%
22:39:55.008 -> [INFO] Nilai ADC: 2767 -> Kelembaban: 20%
22:39:55.008 -> [AKSI] Tanah kering. -> PERINTAH: POMPA ON
22:39:57.017 -> [INFO] Nilai ADC: 2870 -> Kelembaban: 14%
22:39:59.012 -> [INFO] Nilai ADC: 2923 -> Kelembaban: 11%
22:40:01.004 -> [INFO] Nilai ADC: 2659 -> Kelembaban: 27%
22:40:03.011 -> [INFO] Nilai ADC: 2478 -> Kelembaban: 38%
22:40:04.982 -> [INFO] Nilai ADC: 2499 -> Kelembaban: 37%
22:40:07.014 -> [INFO] Nilai ADC: 2501 -> Kelembaban: 37%
22:40:09.009 -> [INFO] Nilai ADC: 2505 -> Kelembaban: 37%
22:40:10.982 -> [INFO] Nilai ADC: 2511 -> Kelembaban: 36%
22:40:11.019 ->
22:40:11.019 -> !!! [PERINGATAN] Timer Keamanan Tercapai. Mengaktifkan Mode Darurat !!!
22:40:11.019 ->
22:40:13.015 -> [DARURAT] Sistem terkunci. Pompa OFF. Tunggu reset...
22:40:15.020 -> [DARURAT] Sistem terkunci. Pompa OFF. Tunggu reset...
```

Jika pompa ON, kelembaban belum mencapai 75% selama 15 detik. Sistem Terkunci (pompa OFF dan Alarm Buzzer ON) menandakan pompa menyala terus-menerus diakibatkan stok air habis

Membuka sistem normal setelah stok air terisi, bisa dengan :

- Soft Reset: Reset logika program melalui perintah jarak jauh via aplikasi Blynk.
- Hard Reset: Reset fisik dengan menekan tombol EN (Enable/Reset) pada board ESP32, yang akan me-reboot mikrokontroler.

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22:40:39.021 -> [DARURAT] Sistem terkunci. Pompa OFF. Tunggu reset...
22:40:40.126 ->
22:40:40.126 -> >>> Tombol Reset V3 DITERIMA oleh ESP32! <<<
22:40:40.160 ->
22:40:40.227 -> >>> [RESET] Mode Darurat DISETEL ULANG. Sistem kembali normal. <<<
22:40:40.227 ->
22:40:40.227 -> >>> Tombol Reset V3 DITERIMA oleh ESP32! <<<
22:40:40.227 ->
22:40:41.011 -> [INFO] Nilai ADC: 2095 -> Kelembaban: 62%
22:40:43.018 -> [INFO] Nilai ADC: 2128 -> Kelembaban: 60%
22:40:44.986 -> [INFO] Nilai ADC: 2447 -> Kelembaban: 40%
22:40:47.005 -> [INFO] Nilai ADC: 1957 -> Kelembaban: 71%
22:40:49.011 -> [INFO] Nilai ADC: 3378 -> Kelembaban: 0%
22:40:49.011 -> [AKSI] Tanah kering. -> PERINTAH: POMPA ON
22:40:50.989 -> [INFO] Nilai ADC: 2217 -> Kelembaban: 55%
22:40:52.992 -> [INFO] Nilai ADC: 1610 -> Kelembaban: 93%
22:40:52.992 -> [AKSI] Tanah basah. -> PERINTAH: POMPA OFF
22:40:54.987 -> [INFO] Nilai ADC: 1442 -> Kelembaban: 100%
22:40:57.008 -> [INFO] Nilai ADC: 2067 -> Kelembaban: 64%
22:40:59.019 -> [INFO] Nilai ADC: 2272 -> Kelembaban: 51%
22:41:01.010 -> [INFO] Nilai ADC: 2369 -> Kelembaban: 45%
22:41:03.031 -> [INFO] Nilai ADC: 2256 -> Kelembaban: 52%
```