Automatic Weather Station

Dapatkan laporan kondisi iklim mikro sekitar kebun kapan pun dan dari mana pun untuk memastikan tanaman tumbuh optimal!

Sensor:
- Curah Hujan
- Photosynthetically Active Radiation (PAR)
- Kecepatan dan Arah Angin
- Suhu dan Kelembaban Udara
- Soil Sensor

Automatic Weather Station (AWS) Mertani akan membantu anda dalam melakukan pemantauan kondisi iklim dalam kebun dari mana pun dan kapan pun. Dengan data tersebut, anda akan memiliki dasar lebih kuat dalam menentukan kebijakan operasional, baik di sisi waktu, tempat, hingga sumber daya manusia (SDM) yang dikerahkan.

SPESIFIKASI

Hardware Detail:
- Ultra-Low Power MCU
- Operational temperature -40°C to +65°C (-40°F to +149°F)
- Weather-resistant (IP67)
- Internal data storage up to 2 GB (full and recycled)

Connectivity
- GSM (2G & NB IoT), GPS/GNSS
- LoRaWAN (920-923 MHz)
- WiFi

Measurement
- Hourly, daily, monthly, and yearly
- Sensors: Rainfall, Photosynthetically Active Radiation (PAR), Wind Speed, Wind Direction, Temperature & Relative Humidity, Soil Sensor (Temperature, Moisture, pH)

Power
- Internal battery 10.000 mAh
- Solar panel 20 Watt
- Stay on without solar charging for up to 2 weeks

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Implementasi Automatic Weather Station

Trusted by Revolutionary Companies

PT Perkebunan Nusantara XII, Jawa Timur

PT Perkebunan Nusantara X, Jawa Timur

PT Chellam Plantation Group, Kalimantan Tengah

Microbubble, Sumatera Barat dan Maluku

PT Testindo, Kalimantan Selatan

Java Agritech, Jawa Tengah

Great Giant Pineapple, Lampung Tengah dan Lampung Timur

Telkomsel DFE, Yogyakarta

Gunung Madu Plantation, Lampung Tengah

Kelompok Tani Alpukat, Jawa Tengah

Automatic Weather Station Type

AWS Type

Automatic Weather Station Standard

- Air Monitoring
- (temperature, humidity, pressure)
- Wind Monitoring
- (wind speed & direction)
- Rainfall Monitoring

AWS Type

Automatic Weather Station Advance

- Air Monitoring
- (temperature, humidity, pressure)
- Wind Monitoring
- (wind speed & direction)
- Rainfall Monitoring
- Light Monitoring
- (solar radiation, ultraviolet radiation, photosynthetically active radiation,

AWS Type

Automatic Weather Station Advance Pro

- Air Monitoring
- (temperature, humidity, pressure)
- Wind Monitoring
- (wind speed & direction)
- Rainfall Monitoring
- Light Monitoring(solar radiation, photosynthetically active radiation)
- Soil Monitoring
- (temperature, moisture, electrical conductivity, pH)

AWS Type

Automatic Weather Station Custom

- Gasses Monitoring
- (dust, carbon dioxide, ammonia)
- UV Radiation
- Water Quality Monitoring
- (pH, temperature, BOD, COD, turbidity)
- Tank Monitoring
- Another Industrial Sensor