

The screenshot shows the 'Real-Time Herbal Analysis' software interface. At the top, there are input fields for 'Sample' (lengkuas) and 'Herbal Type' (lengkuas), along with buttons for 'Start Analysis', 'Stop', and 'Save Data'. Below this is a chart titled 'Herbal Volatile Organic Compounds' showing 'Sensor Reading' over 'Time (seconds)'. The chart displays seven data series: NO<sub>2</sub> Sensor (red line, highest values around 1.1), Ethanol Sensor (blue line, fluctuating between 0.5 and 0.8), VOC Sensor (green line, flat at ~1.8), CO Sensor (light blue line, flat at ~1.0), MiCS CO (purple line, flat at ~1.8), MiCS Ethanol (orange line, flat at ~0.8), and MiCS VOC (yellow line, flat at ~0.2). A cursor points to the NO<sub>2</sub> Sensor data at approximately 110 seconds. At the bottom, there are tabs for 'Statistics' and 'Sample Info', and a table showing statistical data for the NO<sub>2</sub> Sensor.

Sensor	Min	Max	Mean	Std Dev
NO <sub>2</sub> Sensor	0.89	0.96	0.92	0.02

### AromaSense



#### System Connection

WiFi Data Source: 127.0.0.1 Port: 8082

USB Control: COM8 Scan

Status:  Sampling... Connected

#### System Status

Current State: PURGE

Operation Progress:

Connection Status: Barkenrt Connected, Arminn Connected

Sensor Status:

Quick Actions

- Quick Export CSV
- Clear All Data

PURGE | Level: 5/5 | Points: 1216

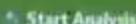
### Herbal Analysis Control

Sample Configuration

Sample: kunyit

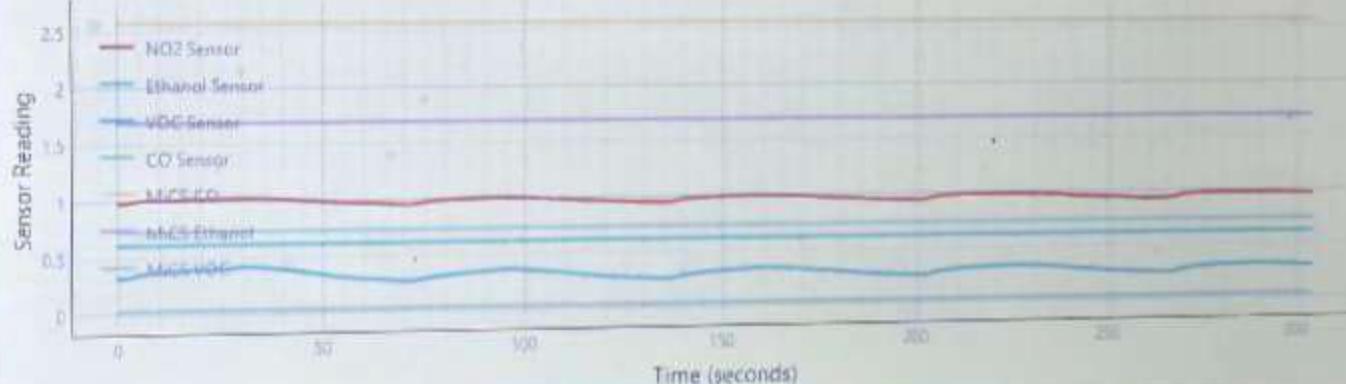
Herbal Type: kunyit

Analysis Control

 Start Analysis    Stop    Save Data

Real-Time Herbal Analysis

#### Herbal Volatile Organic Compounds



The graph displays Sensor Reading (Y-axis, 0 to 2.5) versus Time (seconds) (X-axis, 0 to 300). Multiple sensors are tracked:

- NO<sub>2</sub> Sensor (Red line): Values fluctuate between 0.9 and 1.1.
- Ethanol Sensor (Blue line): Values fluctuate between 0.3 and 0.5.
- VOC Sensor (Green line): Values fluctuate between 0.1 and 0.3.
- CO Sensor (Yellow line): Values remain relatively stable around 0.1.
- ALC/FCO (Orange line): Values fluctuate between 0.1 and 0.2.
- Abu-S Ethanol (Purple line): Values fluctuate between 0.1 and 0.2.
- Meth-VOC (Pink line): Values fluctuate between 0.1 and 0.2.

Statistics

Sensor	Min	Max	Mean	Std Dev
1 NO <sub>2</sub> Sensor	0.93	1.02	0.98	0.02

Sample Info

Adjust Window

AromaSense - Herbal Analysis System

Herbal Analysis Control

**AromaSense**

System Connection

WiFi Data Source: 127.0.0.1 Port: 8082

USB Control: COM8 Scan

Status: Sampling... Connected

System Status

Current State: HOLD

Operation Progress: 0%

Connection Status: Connected

Bluetooth: Connected

Airborne: Unconnected

Sensor Status:

Quick Actions

Quick Export CSV

Clear All Data

Sample Points: 574

Sample Configuration

Sample: jahe

Herbal Type: jahe

Analysis Control

Start Analysis Stop Save Data

Real Time Herbal Analysis

Herbal Volatile Organic Compounds

Sensor/Reading

Time (seconds)

NAD Sensor

Ethanol Sensor

VOC Sensor

CO Sensor

SO<sub>2</sub> Sensor

Statistics Sample Info

Sensor	Min	Max	Mean	Std Dev
1 NAD Sensor	0.81	1.02	0.97	0.04
2 Ethanol Sensor	0.58	0.60	0.59	0.01
3 VOC Sensor	0.18	0.55	0.31	0.09