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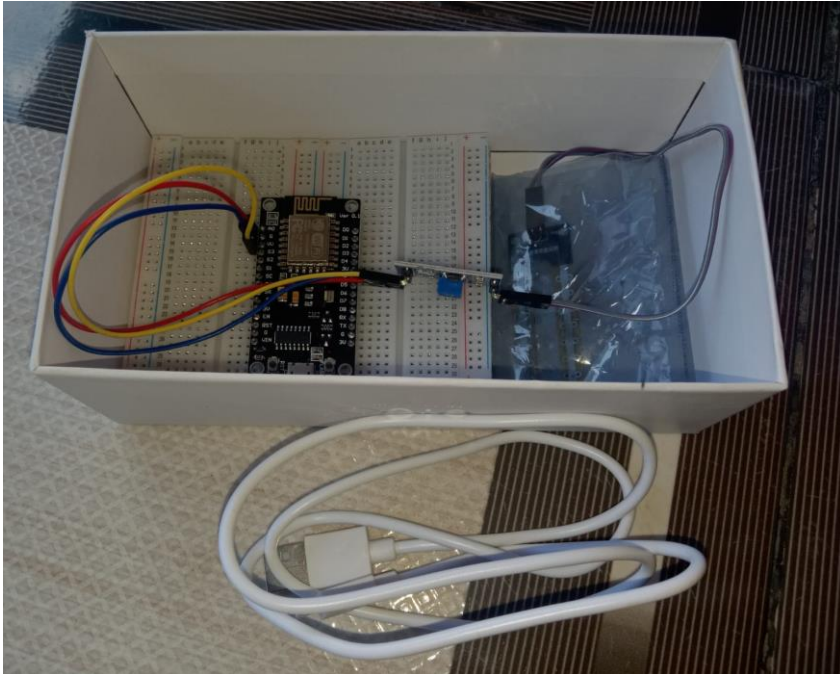
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## LAMPIRAN

Lampiran 1 Dokumentasi Alat



Lampiran 2 Dokumentasi Threeway Meter



### Lampiran 3 Dokumentasi Implementasi Alat



### Lampiran 4 Dokumentasi Perkembangan Tanaman Cabai Hari ke-1



Hari ke-2



Hari ke-5



Hari ke-7



Hari ke-16





Hari ke-19



Hari ke-23

Tanaman Dengan Sistem



## Tanaman Tanpa Sistem



### Lampiran 5 Program Koneksi ESP8266 ke WiFi

```
#include <ESP8266WiFi.h>

const char* ssid = "Bamss_";    // Nama SSID AP/Hotspot
const char* password = "Bismillah";    // Password Wifi

void setup() {
  Serial.begin(115200);
  delay(100);

  // Connect to WiFi network -----
  Serial.println();
  Serial.println();
  Serial.print("Connecting to ");
  Serial.println(ssid);

  // Mengatur WiFi -----
  WiFi.mode(WIFI_STA);          // Mode Station
  WiFi.begin(ssid, password);    // Mencocokkan SSID dan Password
```

```

while (WiFi.status() != WL_CONNECTED) {
  delay(500);
  Serial.print(".");
}

// Print status Connect -----
Serial.println("");
Serial.println("WiFi connected");
Serial.println("IP address: ");
Serial.println(WiFi.localIP());
}

void loop() {

}

```

#### Lampiran 6 Program Alat

```

#define BLYNK_TEMPLATE_ID "TMPL6y6XM0msU"
#define BLYNK_TEMPLATE_NAME "Monitoring Kelembapan Tanah"
#define BLYNK_AUTH_TOKEN "fz7C9ggvtYs61dlaQdhOZLICQXkecNNH"
#define BLYNK_PRINT Serial

#include <ESP8266WiFi.h>
#include <BlynkSimpleEsp8266.h>
#include <ESP8266HTTPClient.h>
#include <WiFiClient.h>
#include <Ticker.h>

char auth[] = BLYNK_AUTH_TOKEN;
char ssid[] = "Bamss_";
char pass[] = "Bismillah";

BlynkTimer timer;
Ticker watchdog;

const int AirValue = 1024; // Nilai untuk tanah kering
const int WaterValue = 662; // Nilai untuk tanah basah
int soilMoistureValue = 0; // Nilai kelembapan dari sensor

```

```

int soilmoist = 0;      // Persentase kelembapan

// Variabel untuk menyimpan status notifikasi terakhir
int lastNotification = -1;

// URL Google Apps Script
const String googleScriptURL =
"https://script.google.com/macros/s/AKfycbxbnbcJxtiMXRriyWNWCOiyJjP2BOmm8b
UnaJI-ReGX2vo6vnxIRlq1hmhXQEMLWaaJGeQ/exec";

void reconnectWiFi() {
  if (WiFi.status() != WL_CONNECTED) {
    Serial.println("WiFi disconnected, trying to reconnect...");
    WiFi.begin(ssid, pass);

    int retries = 0;
    while (WiFi.status() != WL_CONNECTED && retries < 20) {
      delay(500);
      Serial.print(".");
      retries++;
    }

    if (WiFi.status() == WL_CONNECTED) {
      Serial.println("Reconnected to WiFi!");
      Blynk.connect();
    } else {
      Serial.println("Failed to reconnect to WiFi.");
    }
  }
}

void resetDevice() {
  Serial.println("Watchdog triggered, resetting device...");
  ESP.restart();
}

void read_SoilMoist() {
  // Membaca nilai kelembapan tanah
  soilMoistureValue = analogRead(A0);
}

```

```

// Mapping nilai dari sensor menjadi persentase (0-70%)
soilmoist = map(soilMoistureValue, AirValue, WaterValue, 0, 70);

// Membatasi nilai kelembapan antara 0 dan 70
if (soilmoist >= 70) {
  soilmoist = 70;
} else if (soilmoist <= 0) {
  soilmoist = 0;
}

// Mengirim nilai kelembapan ke Virtual Pin V0 di Blynk
Blynk.virtualWrite(V0, soilmoist);

// Mengirim notifikasi berdasarkan kondisi kelembapan tanah
if (soilmoist <= 40 && lastNotification != 0) { // Tanah kering (0%-40%)
  Serial.println("Tanah kering");
  Blynk.logEvent("tanah_kering", "Peringatan: Tanah sangat kering!");
  lastNotification = 0;
} else if (soilmoist >= 41 && soilmoist <= 70 && lastNotification != 1) { // Tanah
lembab (41%-70%)
  Serial.println("Tanah lembab");
  Blynk.logEvent("tanah_lembab", "Info: Tanah lembab.");
  lastNotification = 1;
}
}

void sendDataToGoogleSheets() {
  if (WiFi.status() == WL_CONNECTED) {
    WiFiClient client;
    HTTPClient http;
    String url = googleScriptURL + "?kelembapan=" + String(soilmoist);
    http.begin(client, url);

    int httpCode = http.GET();

    if (httpCode > 0) {
      String payload = http.getString();
      Serial.println("Data sent to Google Sheets: " + payload);
    } else {
      Serial.println("Error sending data to Google Sheets: " + String(httpCode));
    }
  }
}

```

```

    }
    http.end();
  } else {
    Serial.println("WiFi not connected, cannot send data.");
  }
}

void setup() {
  Serial.begin(115200);
  watchdog.attach(30, resetDevice);

  WiFi.begin(ssid, pass);
  Serial.println("Connecting to WiFi...");

  int retries = 0;
  while (WiFi.status() != WL_CONNECTED && retries < 20) {
    delay(500);
    Serial.print(".");
    retries++;
  }

  if (WiFi.status() == WL_CONNECTED) {
    Serial.println("Connected to WiFi.");
    Blynk.begin(auth, ssid, pass, "blynk.cloud", 80);
  } else {
    Serial.println("Failed to connect to WiFi.");
  }

  timer.setInterval(1000L, read_SoilMoist);
  timer.setInterval(3600000L, sendDataToGoogleSheets);
}

void loop() {
  if (WiFi.status() != WL_CONNECTED) {
    reconnectWiFi();
  }

  Blynk.run();
  timer.run();
  watchdog.detach();
}

```

```
watchdog.attach(30, resetDevice);
}
```

## Lampiran 7 Program Apps Script

```
function doGet(e) {
  var sheet = SpreadsheetApp.getActiveSpreadsheet().getActiveSheet();

  // Cek apakah ada data di spreadsheet
  var lastRow = sheet.getLastRow();
  var newNumber = lastRow > 1 ? sheet.getRange(lastRow, 1).getValue() + 1 : 1; //
  Jika ada data, lanjutkan nomor terakhir, jika tidak mulai dari 1

  var params = e.parameter;
  var kelembapan = parseInt(params.kelembapan); // Membaca nilai kelembapan
  dari parameter

  // Tentukan kondisi tanah berdasarkan kelembapan
  var kondisiTanah = "";
  if (kelembapan <= 39) {
    kondisiTanah = "Tanah Kering";
  } else if (kelembapan >= 40 && kelembapan <= 70) {
    kondisiTanah = "Tanah Lembab";
  } else if (kelembapan > 70) {
    kondisiTanah = "Tanah Sangat Lembab";
  }

  // Mengambil waktu saat ini
  var currentDate = new Date();

  // Memformat waktu ke format YYYY-MM-DD HH:MM:SS
  var formattedDate = Utilities.formatDate(currentDate,
  Session.getScriptTimeZone(), "yyyy-MM-dd HH:mm:ss");

  // Membuat nilai kelembapan dalam format persentase
  var kelembapanPersentase = kelembapan + "%"; // Menambahkan tanda persen

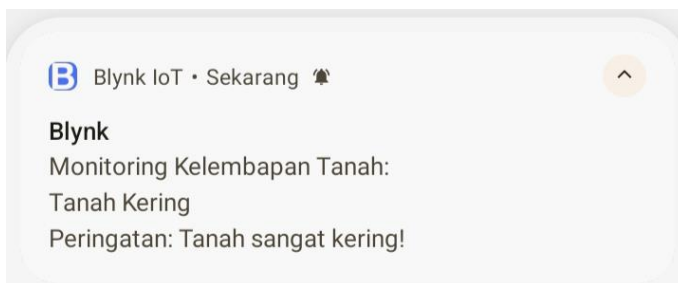
  // Menambahkan baris baru dengan data yang telah diatur
  sheet.appendRow([newNumber, formattedDate, kelembapanPersentase,
  kondisiTanah]);

  return ContentService.createTextOutput("Success");
}
```

}  
Lampiran 8 Dokumentasi Blynk IoT



Lampiran 9 Dokumentasi Notifikasi Blynk IoT





## Lampiran 10 Dokumentasi air untuk penyiraman kondisi ideal



## Lampiran 11 Tabel Monitoring Real-Time

No	Tanggal	Waktu	Nilai Kelembapan Tanah	Kondisi Tanah
1	05/09/2024	15:00	100%	Tanah Sangat Lembab
2	05/09/2024	16:00	100%	Tanah Sangat Lembab
3	05/09/2024	17:00	100%	Tanah Sangat Lembab
4	05/09/2024	18:00	100%	Tanah Sangat Lembab
5	05/09/2024	19:00	100%	Tanah Sangat Lembab
6	05/09/2024	20:00	100%	Tanah Sangat Lembab
7	05/09/2024	21:00	100%	Tanah Sangat Lembab
8	05/09/2024	22:00	100%	Tanah Sangat Lembab
9	05/09/2024	23:00	100%	Tanah Sangat Lembab
10	06/09/2024	00:00	100%	Tanah Sangat Lembab
11	06/09/2024	01:00	100%	Tanah Sangat Lembab
12	06/09/2024	02:00	100%	Tanah Sangat Lembab
13	06/09/2024	03:00	100%	Tanah Sangat Lembab

14	06/09/2024	04:00	100%	Tanah Sangat Lembab
15	06/09/2024	05:00	100%	Tanah Sangat Lembab
16	06/09/2024	06:00	100%	Tanah Sangat Lembab
17	06/09/2024	07:00	100%	Tanah Sangat Lembab
18	06/09/2024	08:00	100%	Tanah Sangat Lembab
19	06/09/2024	09:00	100%	Tanah Sangat Lembab
20	06/09/2024	10:00	100%	Tanah Sangat Lembab
21	06/09/2024	11:00	100%	Tanah Sangat Lembab
22	06/09/2024	12:00	100%	Tanah Sangat Lembab
23	06/09/2024	13:00	100%	Tanah Sangat Lembab
24	06/09/2024	14:00	100%	Tanah Sangat Lembab
25	06/09/2024	15:00	100%	Tanah Sangat Lembab
26	06/09/2024	16:00	100%	Tanah Sangat Lembab
27	06/09/2024	17:00	100%	Tanah Sangat Lembab
28	06/09/2024	18:00	100%	Tanah Sangat Lembab
29	06/09/2024	19:00	100%	Tanah Sangat Lembab
30	06/09/2024	20:00	100%	Tanah Sangat Lembab
31	06/09/2024	21:00	100%	Tanah Sangat Lembab
32	06/09/2024	22:00	100%	Tanah Sangat Lembab
33	06/09/2024	23:00	100%	Tanah Sangat Lembab
34	07/09/2024	00:00	100%	Tanah Sangat Lembab
35	07/09/2024	01:00	100%	Tanah Sangat Lembab
36	07/09/2024	02:00	100%	Tanah Sangat Lembab
37	07/09/2024	03:00	100%	Tanah Sangat Lembab
38	07/09/2024	04:00	100%	Tanah Sangat Lembab

39	07/09/2024	05:00	100%	Tanah Sangat Lembab
40	07/09/2024	06:00	100%	Tanah Sangat Lembab
41	07/09/2024	07:00	100%	Tanah Sangat Lembab
42	07/09/2024	08:00	100%	Tanah Sangat Lembab
43	07/09/2024	09:00	100%	Tanah Sangat Lembab
44	07/09/2024	10:00	100%	Tanah Sangat Lembab
45	07/09/2024	11:00	100%	Tanah Sangat Lembab
46	07/09/2024	12:00	98%	Tanah Sangat Lembab
47	07/09/2024	13:00	97%	Tanah Sangat Lembab
48	07/09/2024	14:00	96%	Tanah Sangat Lembab
49	07/09/2024	15:00	96%	Tanah Sangat Lembab
50	07/09/2024	16:00	94%	Tanah Sangat Lembab
51	07/09/2024	17:00	94%	Tanah Sangat Lembab
52	07/09/2024	18:00	94%	Tanah Sangat Lembab
53	07/09/2024	19:00	94%	Tanah Sangat Lembab
54	07/09/2024	20:00	94%	Tanah Sangat Lembab
55	07/09/2024	21:00	94%	Tanah Sangat Lembab
56	07/09/2024	22:00	94%	Tanah Sangat Lembab
57	07/09/2024	23:00	94%	Tanah Sangat Lembab
58	08/09/2024	00:00	94%	Tanah Sangat Lembab
59	08/09/2024	01:00	94%	Tanah Sangat Lembab
60	08/09/2024	02:00	94%	Tanah Sangat Lembab
61	08/09/2024	03:00	93%	Tanah Sangat Lembab
62	08/09/2024	04:00	93%	Tanah Sangat Lembab
63	08/09/2024	05:00	93%	Tanah Sangat Lembab

64	08/09/2024	06:00	93%	Tanah Sangat Lembab
65	08/09/2024	07:00	92%	Tanah Sangat Lembab
66	08/09/2024	08:00	92%	Tanah Sangat Lembab
67	08/09/2024	09:00	91%	Tanah Sangat Lembab
68	08/09/2024	10:00	89%	Tanah Sangat Lembab
69	08/09/2024	11:00	88%	Tanah Sangat Lembab
70	08/09/2024	12:00	84%	Tanah Sangat Lembab
71	08/09/2024	13:00	79%	Tanah Sangat Lembab
72	08/09/2024	14:00	75%	Tanah Sangat Lembab
73	08/09/2024	15:00	73%	Tanah Sangat Lembab
74	08/09/2024	16:00	71%	Tanah Sangat Lembab
75	08/09/2024	17:00	70%	Tanah Lembab
76	08/09/2024	18:00	70%	Tanah Lembab
77	08/09/2024	19:00	69%	Tanah Lembab
78	08/09/2024	20:00	69%	Tanah Lembab
79	08/09/2024	21:00	69%	Tanah Lembab
80	08/09/2024	22:00	69%	Tanah Lembab
81	08/09/2024	23:00	68%	Tanah Lembab
82	09/09/2024	00:00	68%	Tanah Lembab
83	09/09/2024	01:00	68%	Tanah Lembab
84	09/09/2024	02:00	68%	Tanah Lembab
85	09/09/2024	03:00	67%	Tanah Lembab
86	09/09/2024	04:00	66%	Tanah Lembab
87	09/09/2024	05:00	66%	Tanah Lembab
88	09/09/2024	06:00	66%	Tanah Lembab
89	09/09/2024	07:00	65%	Tanah Lembab
90	09/09/2024	08:00	64%	Tanah Lembab
91	09/09/2024	09:00	62%	Tanah Lembab
92	09/09/2024	10:00	60%	Tanah Lembab
93	09/09/2024	11:00	57%	Tanah Lembab
94	09/09/2024	12:00	53%	Tanah Lembab
95	09/09/2024	13:00	48%	Tanah Lembab

96	09/09/2024	14:00	45%	Tanah Lembab
97	09/09/2024	15:00	44%	Tanah Lembab
98	09/09/2024	16:00	44%	Tanah Lembab
99	09/09/2024	17:00	44%	Tanah Lembab
100	09/09/2024	18:00	43%	Tanah Lembab
101	09/09/2024	19:00	43%	Tanah Lembab
102	09/09/2024	20:00	43%	Tanah Lembab
103	09/09/2024	21:00	43%	Tanah Lembab
104	09/09/2024	22:00	43%	Tanah Lembab
105	09/09/2024	23:00	44%	Tanah Lembab
106	10/09/2024	00:00	44%	Tanah Lembab
107	10/09/2024	01:00	44%	Tanah Lembab
108	10/09/2024	02:00	43%	Tanah Lembab
109	10/09/2024	03:00	43%	Tanah Lembab
110	10/09/2024	04:00	43%	Tanah Lembab
111	10/09/2024	05:00	42%	Tanah Lembab
112	10/09/2024	06:00	42%	Tanah Lembab
113	10/09/2024	07:00	41%	Tanah Lembab
114	10/09/2024	08:00	41%	Tanah Lembab
115	10/09/2024	09:00	40%	Tanah Lembab
116	10/09/2024	10:00	38%	Tanah Kering
117	10/09/2024	11:00	98%	Tanah Sangat Lembab
118	10/09/2024	12:00	95%	Tanah Sangat Lembab
119	10/09/2024	13:00	92%	Tanah Sangat Lembab
120	10/09/2024	14:00	90%	Tanah Sangat Lembab
121	10/09/2024	15:00	88%	Tanah Sangat Lembab
122	10/09/2024	16:00	87%	Tanah Sangat Lembab
123	10/09/2024	17:00	86%	Tanah Sangat Lembab
124	10/09/2024	18:00	86%	Tanah Sangat Lembab
125	10/09/2024	19:00	86%	Tanah Sangat Lembab
126	10/09/2024	20:00	86%	Tanah Sangat Lembab
127	10/09/2024	21:00	86%	Tanah Sangat Lembab

128	10/09/2024	22:00	85%	Tanah Sangat Lembab
129	10/09/2024	23:00	86%	Tanah Sangat Lembab
130	11/09/2024	00:00	86%	Tanah Sangat Lembab
131	11/09/2024	01:00	86%	Tanah Sangat Lembab
132	11/09/2024	02:00	86%	Tanah Sangat Lembab
133	11/09/2024	03:00	86%	Tanah Sangat Lembab
134	11/09/2024	04:00	86%	Tanah Sangat Lembab
135	11/09/2024	05:00	85%	Tanah Sangat Lembab
136	11/09/2024	06:00	85%	Tanah Sangat Lembab
137	11/09/2024	07:00	84%	Tanah Sangat Lembab
138	11/09/2024	08:00	83%	Tanah Sangat Lembab
139	11/09/2024	09:00	82%	Tanah Sangat Lembab
140	11/09/2024	10:00	81%	Tanah Sangat Lembab
141	11/09/2024	11:00	79%	Tanah Sangat Lembab
142	11/09/2024	12:00	76%	Tanah Sangat Lembab
143	11/09/2024	13:00	72%	Tanah Sangat Lembab
144	11/09/2024	14:00	70%	Tanah Lembab
145	11/09/2024	15:00	68%	Tanah Lembab
146	11/09/2024	16:00	67%	Tanah Lembab
147	11/09/2024	17:00	67%	Tanah Lembab
148	11/09/2024	18:00	66%	Tanah Lembab
149	11/09/2024	19:00	66%	Tanah Lembab
150	11/09/2024	20:00	66%	Tanah Lembab
151	11/09/2024	21:00	66%	Tanah Lembab
152	11/09/2024	22:00	66%	Tanah Lembab
153	11/09/2024	23:00	66%	Tanah Lembab
154	12/09/2024	00:00	66%	Tanah Lembab
155	12/09/2024	01:00	65%	Tanah Lembab
156	12/09/2024	02:00	65%	Tanah Lembab
157	12/09/2024	03:00	65%	Tanah Lembab

158	12/09/2024	04:00	65%	Tanah Lembab
159	12/09/2024	05:00	65%	Tanah Lembab
160	12/09/2024	06:00	65%	Tanah Lembab
161	12/09/2024	07:00	64%	Tanah Lembab
162	12/09/2024	08:00	63%	Tanah Lembab
163	12/09/2024	09:00	62%	Tanah Lembab
164	12/09/2024	10:00	61%	Tanah Lembab
165	12/09/2024	11:00	59%	Tanah Lembab
166	12/09/2024	12:00	57%	Tanah Lembab
167	12/09/2024	13:00	54%	Tanah Lembab
168	12/09/2024	14:00	52%	Tanah Lembab
169	12/09/2024	15:00	50%	Tanah Lembab
170	12/09/2024	16:00	49%	Tanah Lembab
171	12/09/2024	17:00	48%	Tanah Lembab
172	12/09/2024	18:00	48%	Tanah Lembab
173	12/09/2024	19:00	48%	Tanah Lembab
174	12/09/2024	20:00	48%	Tanah Lembab
175	12/09/2024	21:00	48%	Tanah Lembab
176	12/09/2024	22:00	48%	Tanah Lembab
177	12/09/2024	23:00	49%	Tanah Lembab
178	13/09/2024	00:00	49%	Tanah Lembab
179	13/09/2024	01:00	49%	Tanah Lembab
180	13/09/2024	02:00	49%	Tanah Lembab
181	13/09/2024	03:00	49%	Tanah Lembab
182	13/09/2024	04:00	48%	Tanah Lembab
183	13/09/2024	05:00	48%	Tanah Lembab
184	13/09/2024	06:00	48%	Tanah Lembab
185	13/09/2024	07:00	47%	Tanah Lembab
186	13/09/2024	08:00	46%	Tanah Lembab
187	13/09/2024	09:00	45%	Tanah Lembab
188	13/09/2024	10:00	42%	Tanah Lembab
189	13/09/2024	11:00	40%	Tanah Lembab
190	13/09/2024	12:00	36%	Tanah Kering
191	13/09/2024	13:00	96%	Tanah Sangat Lembab
192	13/09/2024	14:00	94%	Tanah Sangat Lembab
193	13/09/2024	15:00	92%	Tanah Sangat Lembab

194	13/09/2024	16:00	91%	Tanah Sangat Lembab
195	13/09/2024	17:00	90%	Tanah Sangat Lembab
196	13/09/2024	18:00	90%	Tanah Sangat Lembab
197	13/09/2024	19:00	90%	Tanah Sangat Lembab
198	13/09/2024	20:00	90%	Tanah Sangat Lembab
199	13/09/2024	21:00	89%	Tanah Sangat Lembab
200	13/09/2024	22:00	89%	Tanah Sangat Lembab
201	13/09/2024	23:00	89%	Tanah Sangat Lembab
202	14/09/2024	00:00	89%	Tanah Sangat Lembab
203	14/09/2024	01:00	90%	Tanah Sangat Lembab
204	14/09/2024	02:00	90%	Tanah Sangat Lembab
205	14/09/2024	03:00	89%	Tanah Sangat Lembab
206	14/09/2024	04:00	89%	Tanah Sangat Lembab
207	14/09/2024	05:00	89%	Tanah Sangat Lembab
208	14/09/2024	06:00	89%	Tanah Sangat Lembab
209	14/09/2024	07:00	88%	Tanah Sangat Lembab
210	14/09/2024	08:00	87%	Tanah Sangat Lembab
211	14/09/2024	09:00	86%	Tanah Sangat Lembab
212	14/09/2024	10:00	84%	Tanah Sangat Lembab
213	14/09/2024	11:00	82%	Tanah Sangat Lembab
214	14/09/2024	12:00	80%	Tanah Sangat Lembab
215	14/09/2024	13:00	77%	Tanah Sangat Lembab
216	14/09/2024	14:00	74%	Tanah Sangat Lembab
217	14/09/2024	15:00	72%	Tanah Sangat Lembab
218	14/09/2024	16:00	72%	Tanah Sangat Lembab



219	14/09/2024	17:00	72%	Tanah Sangat Lembab
220	14/09/2024	18:00	71%	Tanah Sangat Lembab
221	14/09/2024	19:00	71%	Tanah Sangat Lembab
222	14/09/2024	20:00	71%	Tanah Sangat Lembab
223	14/09/2024	21:00	71%	Tanah Sangat Lembab
224	14/09/2024	22:00	71%	Tanah Sangat Lembab
225	14/09/2024	23:00	71%	Tanah Sangat Lembab
226	15/09/2024	00:00	71%	Tanah Sangat Lembab
227	15/09/2024	01:00	72%	Tanah Sangat Lembab
228	15/09/2024	02:00	71%	Tanah Sangat Lembab
229	15/09/2024	03:00	71%	Tanah Sangat Lembab
230	15/09/2024	04:00	71%	Tanah Sangat Lembab
231	15/09/2024	05:00	71%	Tanah Sangat Lembab
232	15/09/2024	06:00	71%	Tanah Sangat Lembab
233	15/09/2024	07:00	70%	Tanah Lembab
234	15/09/2024	08:00	69%	Tanah Lembab
235	15/09/2024	09:00	68%	Tanah Lembab
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244	15/09/2024	18:00	52%	Tanah Lembab
245	15/09/2024	19:00	52%	Tanah Lembab
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247	15/09/2024	21:00	52%	Tanah Lembab
248	15/09/2024	22:00	52%	Tanah Lembab
249	15/09/2024	23:00	52%	Tanah Lembab

250	16/09/2024	00:00	52%	Tanah Lembab
251	16/09/2024	01:00	52%	Tanah Lembab
252	16/09/2024	02:00	52%	Tanah Lembab
253	16/09/2024	03:00	51%	Tanah Lembab
254	16/09/2024	04:00	51%	Tanah Lembab
255	16/09/2024	05:00	51%	Tanah Lembab
256	16/09/2024	06:00	51%	Tanah Lembab
257	16/09/2024	07:00	51%	Tanah Lembab
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263	16/09/2024	13:00	40%	Tanah Lembab
264	16/09/2024	14:00	37%	Tanah Kering
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266	16/09/2024	16:00	97%	Tanah Sangat Lembab
267	16/09/2024	17:00	97%	Tanah Sangat Lembab
268	16/09/2024	18:00	96%	Tanah Sangat Lembab
269	16/09/2024	19:00	96%	Tanah Sangat Lembab
270	16/09/2024	20:00	96%	Tanah Sangat Lembab
271	16/09/2024	21:00	96%	Tanah Sangat Lembab
272	16/09/2024	22:00	96%	Tanah Sangat Lembab
273	16/09/2024	23:00	96%	Tanah Sangat Lembab
274	17/09/2024	00:00	97%	Tanah Sangat Lembab
275	17/09/2024	01:00	97%	Tanah Sangat Lembab
276	17/09/2024	02:00	96%	Tanah Sangat Lembab
277	17/09/2024	03:00	96%	Tanah Sangat Lembab
278	17/09/2024	04:00	96%	Tanah Sangat Lembab
279	17/09/2024	05:00	96%	Tanah Sangat Lembab

280	17/09/2024	06:00	96%	Tanah Sangat Lembab
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282	17/09/2024	08:00	94%	Tanah Sangat Lembab
283	17/09/2024	09:00	92%	Tanah Sangat Lembab
284	17/09/2024	10:00	90%	Tanah Sangat Lembab
285	17/09/2024	11:00	88%	Tanah Sangat Lembab
286	17/09/2024	12:00	85%	Tanah Sangat Lembab
287	17/09/2024	13:00	82%	Tanah Sangat Lembab
288	17/09/2024	14:00	80%	Tanah Sangat Lembab
289	17/09/2024	15:00	78%	Tanah Sangat Lembab
290	17/09/2024	16:00	77%	Tanah Sangat Lembab
291	17/09/2024	17:00	76%	Tanah Sangat Lembab
292	17/09/2024	18:00	76%	Tanah Sangat Lembab
293	17/09/2024	19:00	76%	Tanah Sangat Lembab
294	17/09/2024	20:00	76%	Tanah Sangat Lembab
295	17/09/2024	21:00	76%	Tanah Sangat Lembab
296	17/09/2024	22:00	77%	Tanah Sangat Lembab
297	17/09/2024	23:00	76%	Tanah Sangat Lembab
298	18/09/2024	00:00	77%	Tanah Sangat Lembab
299	18/09/2024	01:00	76%	Tanah Sangat Lembab
300	18/09/2024	02:00	76%	Tanah Sangat Lembab
301	18/09/2024	03:00	76%	Tanah Sangat Lembab
302	18/09/2024	04:00	76%	Tanah Sangat Lembab
303	18/09/2024	05:00	76%	Tanah Sangat Lembab
304	18/09/2024	06:00	75%	Tanah Sangat Lembab

305	18/09/2024	07:00	75%	Tanah Sangat Lembab
306	18/09/2024	08:00	74%	Tanah Sangat Lembab
307	18/09/2024	09:00	73%	Tanah Sangat Lembab
308	18/09/2024	10:00	72%	Tanah Sangat Lembab
309	18/09/2024	11:00	70%	Tanah Lembab
310	18/09/2024	12:00	68%	Tanah Lembab
311	18/09/2024	13:00	65%	Tanah Lembab
312	18/09/2024	14:00	63%	Tanah Lembab
313	18/09/2024	15:00	61%	Tanah Lembab
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315	18/09/2024	17:00	59%	Tanah Lembab
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317	18/09/2024	19:00	58%	Tanah Lembab
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319	18/09/2024	21:00	58%	Tanah Lembab
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321	18/09/2024	23:00	58%	Tanah Lembab
322	19/09/2024	00:00	59%	Tanah Lembab
323	19/09/2024	01:00	58%	Tanah Lembab
324	19/09/2024	02:00	58%	Tanah Lembab
325	19/09/2024	03:00	58%	Tanah Lembab
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334	19/09/2024	12:00	51%	Tanah Lembab
335	19/09/2024	13:00	47%	Tanah Lembab
336	19/09/2024	14:00	45%	Tanah Lembab
337	19/09/2024	15:00	43%	Tanah Lembab
338	19/09/2024	16:00	42%	Tanah Lembab
339	19/09/2024	17:00	41%	Tanah Lembab
340	19/09/2024	18:00	40%	Tanah Lembab

341	19/09/2024	19:00	40%	Tanah Lembab
342	19/09/2024	20:00	40%	Tanah Lembab
343	19/09/2024	21:00	40%	Tanah Lembab
344	19/09/2024	22:00	40%	Tanah Lembab
345	19/09/2024	23:00	40%	Tanah Lembab
346	20/09/2024	00:00	41%	Tanah Lembab
347	20/09/2024	01:00	41%	Tanah Lembab
348	20/09/2024	02:00	41%	Tanah Lembab
349	20/09/2024	03:00	41%	Tanah Lembab
350	20/09/2024	04:00	41%	Tanah Lembab
351	20/09/2024	05:00	41%	Tanah Lembab
352	20/09/2024	06:00	41%	Tanah Lembab
353	20/09/2024	07:00	39%	Tanah Kering
354	20/09/2024	08:00	100%	Tanah Sangat Lembab
355	20/09/2024	09:00	100%	Tanah Sangat Lembab
356	20/09/2024	10:00	99%	Tanah Sangat Lembab
357	20/09/2024	11:00	98%	Tanah Sangat Lembab
358	20/09/2024	12:00	96%	Tanah Sangat Lembab
359	20/09/2024	13:00	93%	Tanah Sangat Lembab
360	20/09/2024	14:00	91%	Tanah Sangat Lembab
361	20/09/2024	15:00	89%	Tanah Sangat Lembab
362	20/09/2024	16:00	88%	Tanah Sangat Lembab
363	20/09/2024	17:00	87%	Tanah Sangat Lembab
364	20/09/2024	18:00	87%	Tanah Sangat Lembab
365	20/09/2024	19:00	86%	Tanah Sangat Lembab
366	20/09/2024	20:00	86%	Tanah Sangat Lembab
367	20/09/2024	21:00	86%	Tanah Sangat Lembab
368	20/09/2024	22:00	86%	Tanah Sangat Lembab
369	20/09/2024	23:00	86%	Tanah Sangat Lembab
370	21/09/2024	00:00	86%	Tanah Sangat

				Lembab
371	21/09/2024	01:00	87%	Tanah Sangat Lembab
372	21/09/2024	02:00	87%	Tanah Sangat Lembab
373	21/09/2024	03:00	86%	Tanah Sangat Lembab
374	21/09/2024	04:00	86%	Tanah Sangat Lembab
375	21/09/2024	05:00	86%	Tanah Sangat Lembab
376	21/09/2024	06:00	86%	Tanah Sangat Lembab
377	21/09/2024	07:00	86%	Tanah Sangat Lembab
378	21/09/2024	08:00	85%	Tanah Sangat Lembab
379	21/09/2024	09:00	84%	Tanah Sangat Lembab
380	21/09/2024	10:00	83%	Tanah Sangat Lembab
381	21/09/2024	11:00	81%	Tanah Sangat Lembab
382	21/09/2024	12:00	79%	Tanah Sangat Lembab
383	21/09/2024	13:00	76%	Tanah Sangat Lembab
384	21/09/2024	14:00	74%	Tanah Sangat Lembab
385	21/09/2024	15:00	73%	Tanah Sangat Lembab
386	21/09/2024	16:00	72%	Tanah Sangat Lembab
387	21/09/2024	17:00	71%	Tanah Sangat Lembab
388	21/09/2024	18:00	70%	Tanah Lembab
389	21/09/2024	19:00	70%	Tanah Lembab
390	21/09/2024	20:00	70%	Tanah Lembab
391	21/09/2024	21:00	69%	Tanah Lembab
392	21/09/2024	22:00	69%	Tanah Lembab
393	21/09/2024	23:00	69%	Tanah Lembab
394	22/09/2024	00:00	69%	Tanah Lembab
395	22/09/2024	01:00	69%	Tanah Lembab
396	22/09/2024	02:00	69%	Tanah Lembab
397	22/09/2024	03:00	69%	Tanah Lembab
398	22/09/2024	04:00	68%	Tanah Lembab

399	22/09/2024	05:00	68%	Tanah Lembab
400	22/09/2024	06:00	68%	Tanah Lembab
401	22/09/2024	07:00	68%	Tanah Lembab
402	22/09/2024	08:00	67%	Tanah Lembab
403	22/09/2024	09:00	66%	Tanah Lembab
404	22/09/2024	10:00	64%	Tanah Lembab
405	22/09/2024	11:00	62%	Tanah Lembab
406	22/09/2024	12:00	59%	Tanah Lembab
407	22/09/2024	13:00	56%	Tanah Lembab
408	22/09/2024	14:00	54%	Tanah Lembab
409	22/09/2024	15:00	52%	Tanah Lembab
410	22/09/2024	16:00	51%	Tanah Lembab
411	22/09/2024	17:00	50%	Tanah Lembab
412	22/09/2024	18:00	50%	Tanah Lembab
413	22/09/2024	19:00	50%	Tanah Lembab
414	22/09/2024	20:00	50%	Tanah Lembab
415	22/09/2024	21:00	49%	Tanah Lembab
416	22/09/2024	22:00	49%	Tanah Lembab
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421	23/09/2024	03:00	49%	Tanah Lembab
422	23/09/2024	04:00	48%	Tanah Lembab
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425	23/09/2024	07:00	48%	Tanah Lembab
426	23/09/2024	08:00	48%	Tanah Lembab
427	23/09/2024	09:00	47%	Tanah Lembab
428	23/09/2024	10:00	46%	Tanah Lembab
429	23/09/2024	11:00	44%	Tanah Lembab
430	23/09/2024	12:00	41%	Tanah Lembab
431	23/09/2024	13:00	37%	Tanah Kering
432	23/09/2024	14:00	98%	Tanah Sangat Lembab
433	23/09/2024	15:00	97%	Tanah Sangat Lembab
434	23/09/2024	16:00	96%	Tanah Sangat Lembab

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436	23/09/2024	18:00	95%	Tanah Sangat Lembab
437	23/09/2024	19:00	94%	Tanah Sangat Lembab
438	23/09/2024	20:00	94%	Tanah Sangat Lembab
439	23/09/2024	21:00	94%	Tanah Sangat Lembab
440	23/09/2024	22:00	94%	Tanah Sangat Lembab
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444	24/09/2024	02:00	94%	Tanah Sangat Lembab
445	24/09/2024	03:00	94%	Tanah Sangat Lembab
446	24/09/2024	04:00	93%	Tanah Sangat Lembab
447	24/09/2024	05:00	93%	Tanah Sangat Lembab
448	24/09/2024	06:00	93%	Tanah Sangat Lembab
449	24/09/2024	07:00	93%	Tanah Sangat Lembab
450	24/09/2024	08:00	92%	Tanah Sangat Lembab
451	24/09/2024	09:00	91%	Tanah Sangat Lembab
452	24/09/2024	10:00	90%	Tanah Sangat Lembab
453	24/09/2024	11:00	88%	Tanah Sangat Lembab
454	24/09/2024	12:00	86%	Tanah Sangat Lembab
455	24/09/2024	13:00	84%	Tanah Sangat Lembab
456	24/09/2024	14:00	83%	Tanah Sangat Lembab
457	24/09/2024	15:00	82%	Tanah Sangat Lembab
458	24/09/2024	16:00	81%	Tanah Sangat Lembab
459	24/09/2024	17:00	81%	Tanah Sangat Lembab



460	24/09/2024	18:00	80%	Tanah Sangat Lembab
461	24/09/2024	19:00	80%	Tanah Sangat Lembab
462	24/09/2024	20:00	80%	Tanah Sangat Lembab
463	24/09/2024	21:00	80%	Tanah Sangat Lembab
464	24/09/2024	22:00	80%	Tanah Sangat Lembab
465	24/09/2024	23:00	80%	Tanah Sangat Lembab
466	25/09/2024	00:00	80%	Tanah Sangat Lembab
467	25/09/2024	01:00	81%	Tanah Sangat Lembab
468	25/09/2024	02:00	81%	Tanah Sangat Lembab
469	25/09/2024	03:00	80%	Tanah Sangat Lembab
470	25/09/2024	04:00	80%	Tanah Sangat Lembab
471	25/09/2024	05:00	80%	Tanah Sangat Lembab
472	25/09/2024	06:00	80%	Tanah Sangat Lembab
473	25/09/2024	07:00	79%	Tanah Sangat Lembab
474	25/09/2024	08:00	79%	Tanah Sangat Lembab
475	25/09/2024	09:00	78%	Tanah Sangat Lembab
476	25/09/2024	10:00	77%	Tanah Sangat Lembab
477	25/09/2024	11:00	75%	Tanah Sangat Lembab
478	25/09/2024	12:00	73%	Tanah Sangat Lembab
479	25/09/2024	13:00	71%	Tanah Sangat Lembab
480	25/09/2024	14:00	69%	Tanah Lembab
481	25/09/2024	15:00	67%	Tanah Lembab
482	25/09/2024	16:00	66%	Tanah Lembab
483	25/09/2024	17:00	65%	Tanah Lembab
484	25/09/2024	18:00	65%	Tanah Lembab
485	25/09/2024	19:00	65%	Tanah Lembab
486	25/09/2024	20:00	65%	Tanah Lembab

487	25/09/2024	21:00	65%	Tanah Lembab
488	25/09/2024	22:00	64%	Tanah Lembab
489	25/09/2024	23:00	64%	Tanah Lembab
490	26/09/2024	00:00	64%	Tanah Lembab
491	26/09/2024	01:00	64%	Tanah Lembab
492	26/09/2024	02:00	64%	Tanah Lembab
493	26/09/2024	03:00	64%	Tanah Lembab
494	26/09/2024	04:00	64%	Tanah Lembab
495	26/09/2024	05:00	64%	Tanah Lembab
496	26/09/2024	06:00	64%	Tanah Lembab
497	26/09/2024	07:00	65%	Tanah Lembab
498	26/09/2024	08:00	65%	Tanah Lembab
499	26/09/2024	09:00	64%	Tanah Lembab
500	26/09/2024	10:00	62%	Tanah Lembab
501	26/09/2024	11:00	60%	Tanah Lembab
502	26/09/2024	12:00	58%	Tanah Lembab
503	26/09/2024	13:00	55%	Tanah Lembab
504	26/09/2024	14:00	52%	Tanah Lembab
505	26/09/2024	15:00	50%	Tanah Lembab
506	26/09/2024	16:00	48%	Tanah Lembab
507	26/09/2024	17:00	47%	Tanah Lembab
508	26/09/2024	18:00	46%	Tanah Lembab
509	26/09/2024	19:00	46%	Tanah Lembab
510	26/09/2024	20:00	46%	Tanah Lembab
511	26/09/2024	21:00	46%	Tanah Lembab
512	26/09/2024	22:00	46%	Tanah Lembab
513	26/09/2024	23:00	45%	Tanah Lembab
514	27/09/2024	00:00	45%	Tanah Lembab
515	27/09/2024	01:00	46%	Tanah Lembab
516	27/09/2024	02:00	45%	Tanah Lembab
517	27/09/2024	03:00	45%	Tanah Lembab
518	27/09/2024	04:00	45%	Tanah Lembab
519	27/09/2024	05:00	45%	Tanah Lembab
520	27/09/2024	06:00	45%	Tanah Lembab
521	27/09/2024	07:00	44%	Tanah Lembab
522	27/09/2024	08:00	43%	Tanah Lembab
523	27/09/2024	09:00	42%	Tanah Lembab
524	27/09/2024	10:00	40%	Tanah Lembab

525	27/09/2024	11:00	38%	Tanah Kering
526	27/09/2024	12:00	99%	Tanah Sangat Lembab
527	27/09/2024	13:00	97%	Tanah Sangat Lembab
528	27/09/2024	14:00	95%	Tanah Sangat Lembab
529	27/09/2024	15:00	93%	Tanah Sangat Lembab
530	27/09/2024	16:00	92%	Tanah Sangat Lembab
531	27/09/2024	17:00	91%	Tanah Sangat Lembab
532	27/09/2024	18:00	90%	Tanah Sangat Lembab
533	27/09/2024	19:00	90%	Tanah Sangat Lembab
534	27/09/2024	20:00	90%	Tanah Sangat Lembab
535	27/09/2024	21:00	90%	Tanah Sangat Lembab
536	27/09/2024	22:00	90%	Tanah Sangat Lembab
537	27/09/2024	23:00	89%	Tanah Sangat Lembab
538	28/09/2024	00:00	89%	Tanah Sangat Lembab