

LAPORAN

Praaktek system IOT (Jumat 18 Oktober)

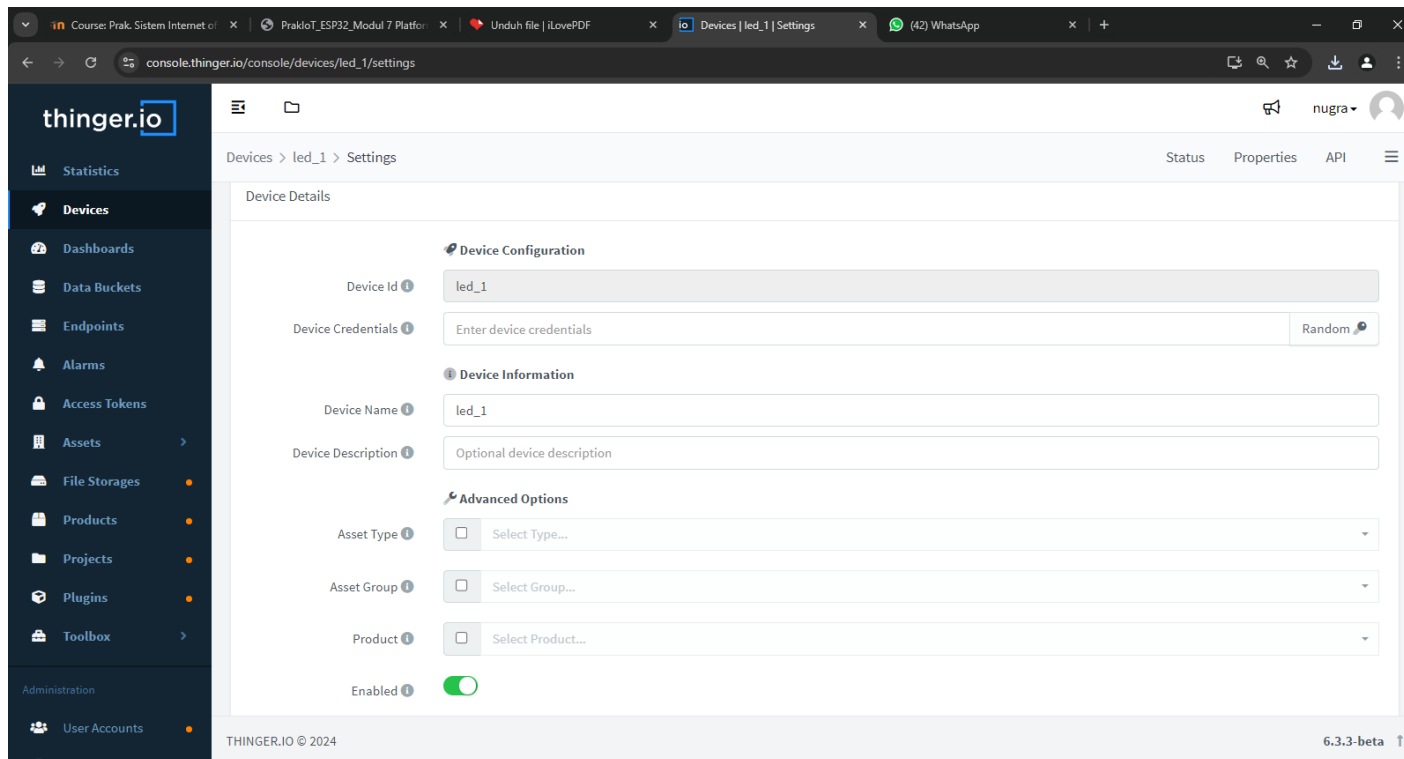
Nama : Ludang Prasetyo Nugroho
Nim 225510017
Matkul : Prak system IOT

[Teknik Komputer \(S1\)](#)

PRAKTEK

Praktek

Code program



- Code Esp

```
#define THINGER_SERIAL_DEBUG
#include <ThingyESP32.h>

#include "arduino_secrets.h"
#define LED1 12
#define LED2 13
#define Sensor 32
ThingyESP32 thing(USERNAME, DEVICE_ID,
DEVICE_CREDENTIAL);
void setup() {
  // untuk debugging
  Serial.begin(115200);
```

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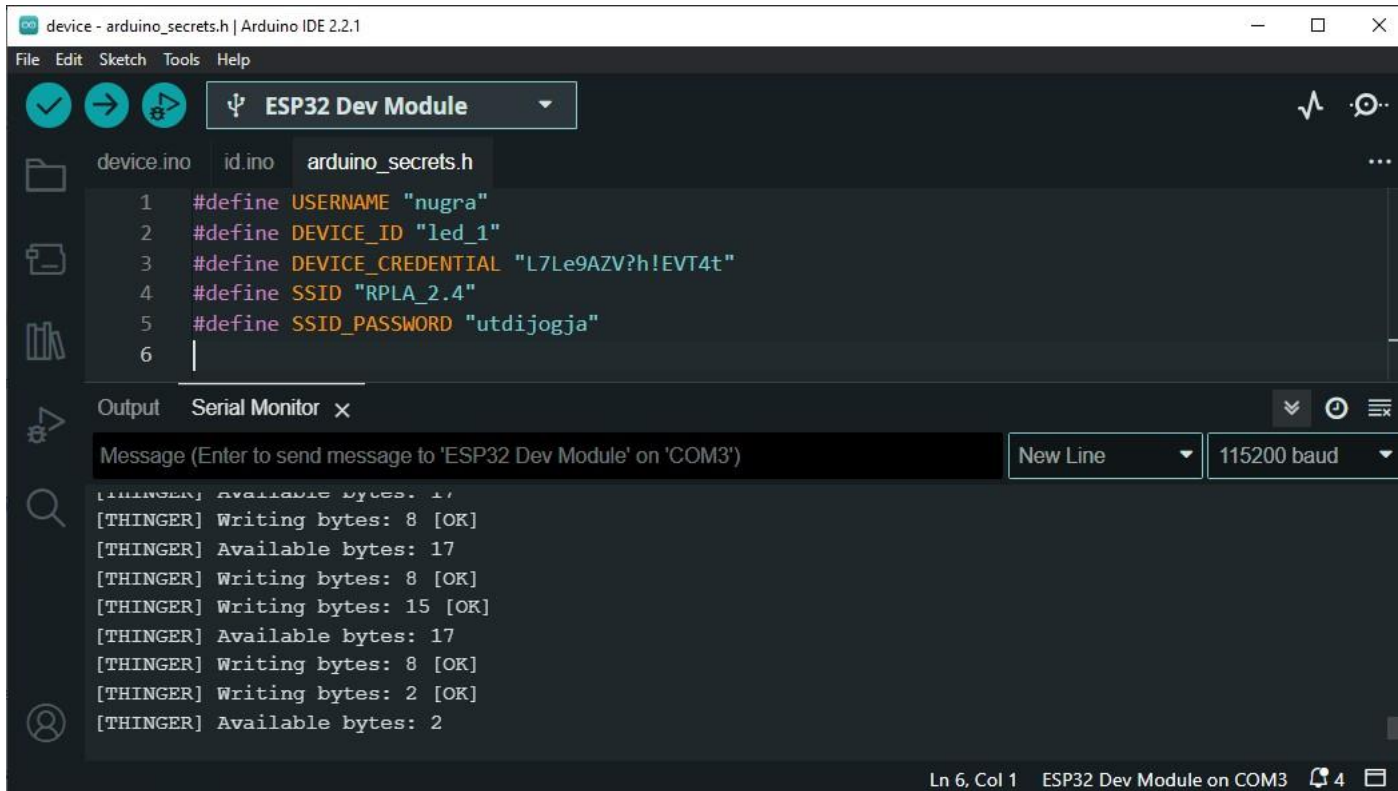
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```
// set LED1 sebagai output
pinMode(LED1, OUTPUT);
// SSID dan password Access Point
thing.add_wifi(SSID, SSID_PASSWORD);

// resource input on/off led1 LED1
thing["led1"] << digitalPin(LED1);
}
void loop() {
  thing.handle();
}
```

- Code Arduino / id

```
#define USERNAME "nugra"
#define DEVICE_ID "led_1"
#define DEVICE_CREDENTIAL "L7Le9AZV?h!EVT4t"
#define SSID "RPLA_2.4"
#define SSID_PASSWORD "utdijogja"
```



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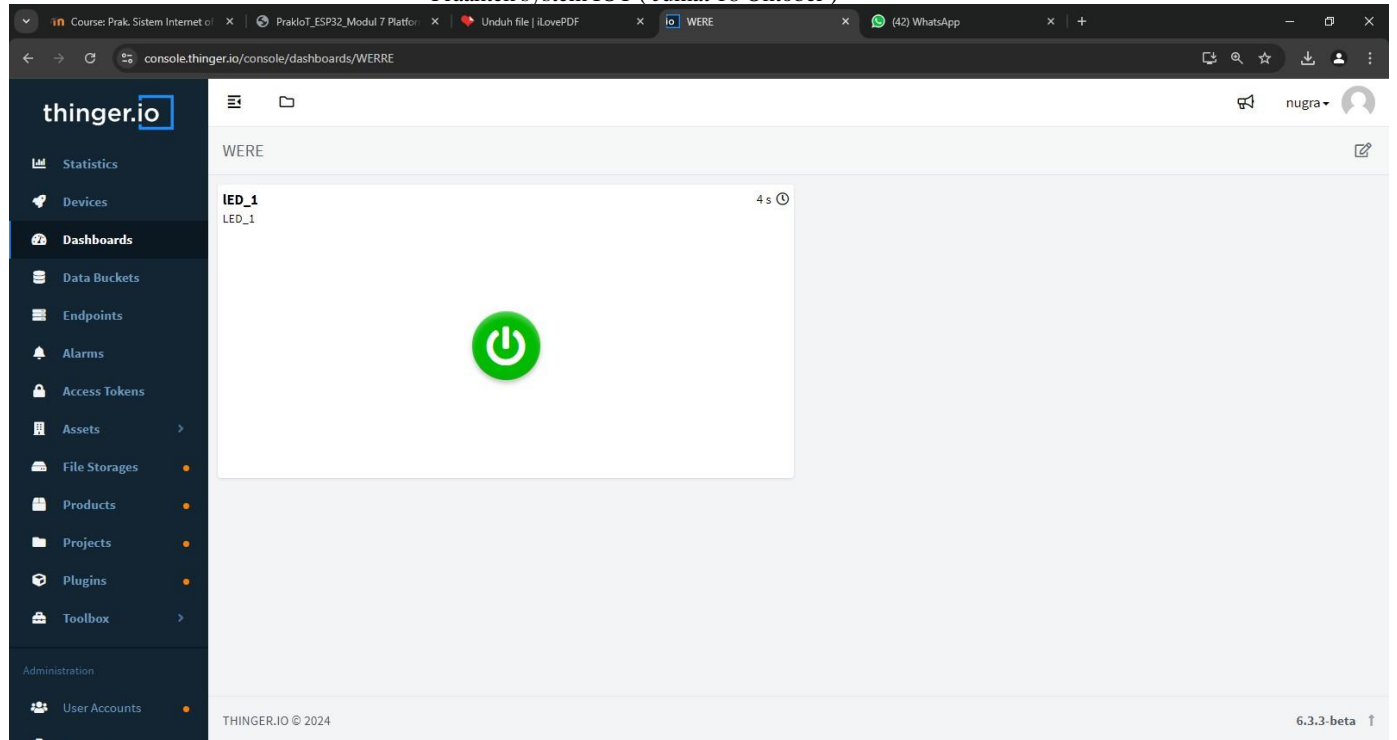
The screenshot shows the Thinger.io console interface. The top navigation bar includes the Thinger.io logo and a user profile 'nugra'. The left sidebar contains a menu with options: Statistics, Devices, Dashboards, Data Buckets, Endpoints, Alarms, Access Tokens, Assets, File Storages, Products, Projects, Plugins, Toolbox, and Administration. The main content area is titled 'Devices' and features a '+ Add Device' button, a 'Refresh' button, and a search bar labeled 'Search Device'. Below these is a table with columns: Device, Description, Protocol, Last Connection, Type, Group, and Project. The table contains one entry: 'led_1' with protocol 'MQTT' and last connection '2m'. Below the table, it says 'Showing 1 device'. The footer of the console shows 'THINGER.IO © 2024' and '6.3.3-beta'.

Device	Description	Protocol	Last Connection	Type	Group	Project
led_1	led_1	MQTT	2m			

The screenshot shows the Thinger.io console interface for the 'Device API' of the 'led_1' device. The top navigation bar includes the Thinger.io logo and a user profile 'nugra'. The left sidebar contains a menu with options: Statistics, Devices, Dashboards, Data Buckets, Endpoints, Alarms, Access Tokens, Assets, File Storages, Products, Projects, Plugins, Toolbox, and Administration. The main content area is titled 'Devices > led_1 > Api' and features tabs for 'Status', 'Properties', and 'API'. The 'API' tab is active, showing a 'Device API' section with a 'led1' resource. Below this is a 'Resource Input' section with a 'Boolean' toggle switch. The 'Options' section includes a 'Run' button and a 'Show query' button. The footer of the console shows 'THINGER.IO © 2024' and '6.3.3-beta'.

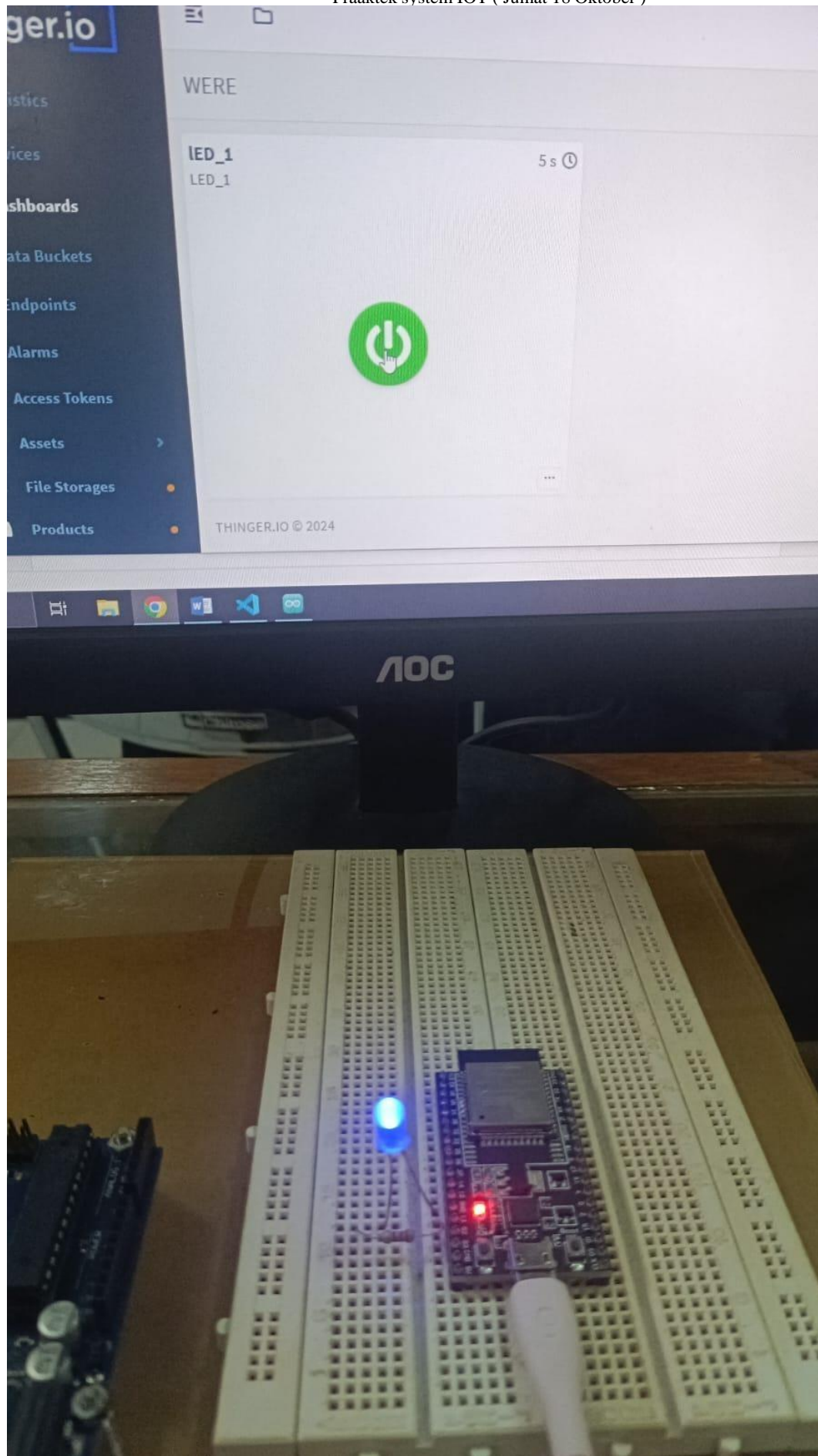
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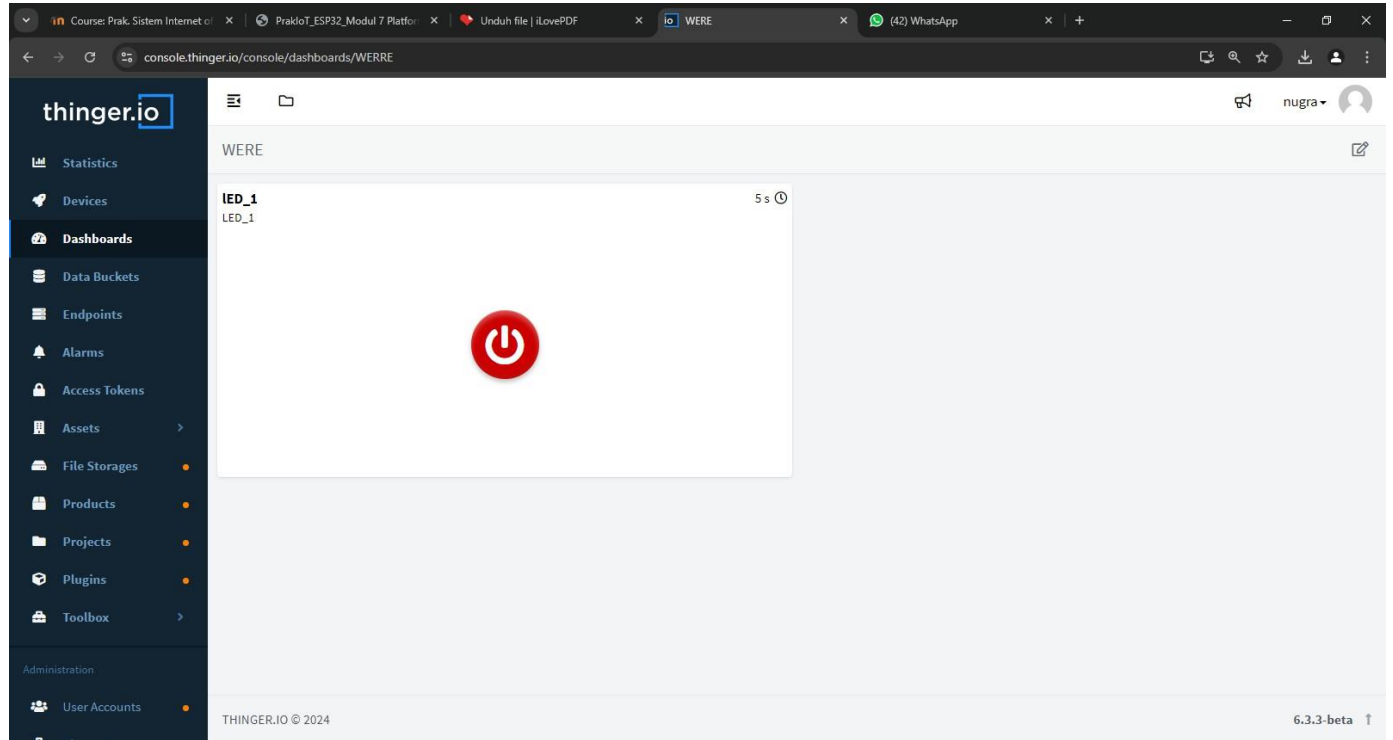
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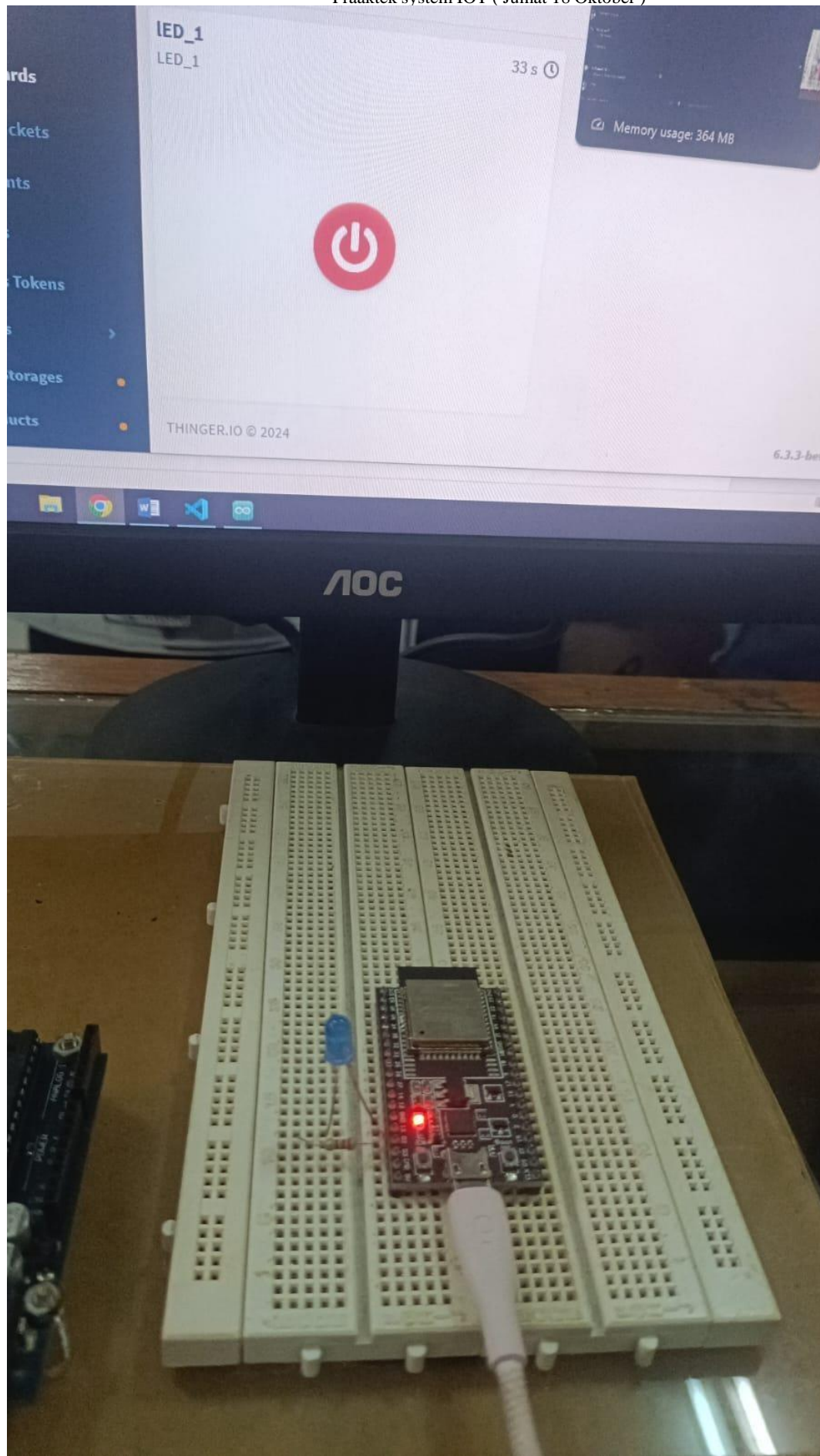
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Tugas

