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LAMPIRAN

Lampiran 1. Bagian-Bagian Alat

- Bagian *Interface*



- Bagian Kontrol



Lampiran 2. Kode Pogram

- Kode Arduino

```
if (door_open) {
  opened_after_verify = true;
  opened_without_verify = false;
  do_ring_once = false;
  open_door();
  client.publish("Skripsi/D041171326/Status", "msg",
  delay_before_close_door = millis();
  door_open = false;
  countdown = true;
}
if (countdown == true) {
  if ((unsigned long) (millis() - delay_before_close_door) >= 2000) {
    delay_before_close_door = 0;
    countdown = false;
    close_door();
    do_noring_once = false;
    opened_after_verify = false;
    if (digitalRead(REED_SENSOR)) opened_after_verify = true;
  }
}
```

Lebih Lanjut :

https://github.com/m-arson/Skripsi/blob/main/final_ESP32_dev.ino

- Kode Android Studio

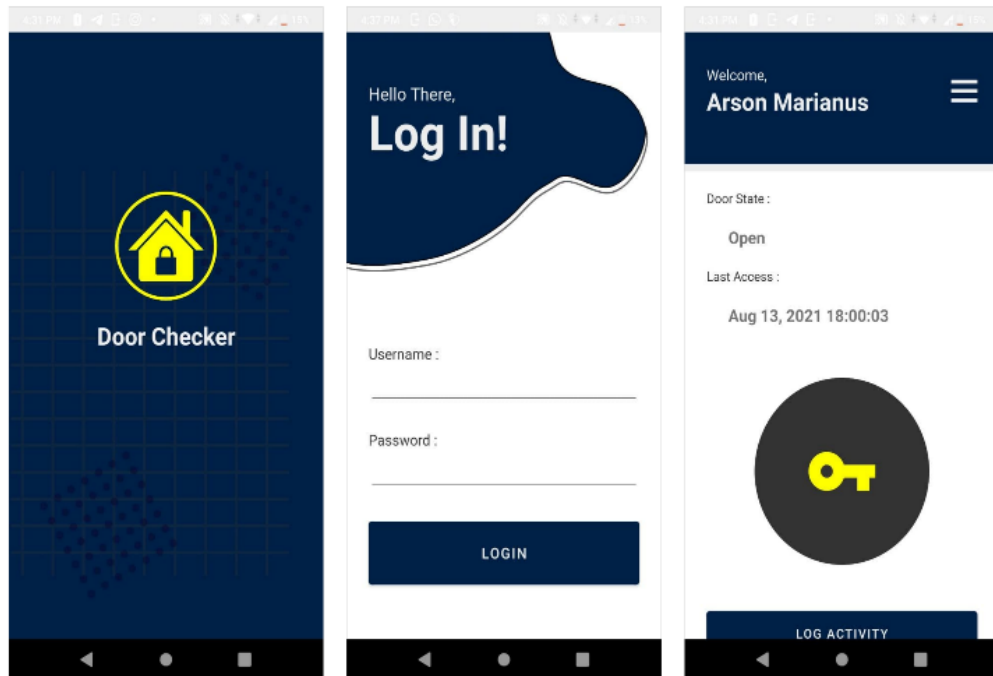
```
String token = "736b72697073692d7331";
String url = "http://34.134.1.73/handle_post.php";
StringRequest stringRequest = new StringRequest(Request.Method.POST, url,
response -> {
  try {
    JSONObject jsonObject = new JSONObject(response.trim());
    int status = jsonObject.getInt("status");
    if (status == 200) {
      try {
        String access_token = jsonObject.getString("msg").trim();
        String fullname = jsonObject.getString("username").trim();
        SharedPreferences sharedPreferences1 = getSharedPreferences("ACCESS_TOKEN", MODE_PRIVATE);
        SharedPreferences.Editor editor = sharedPreferences1.edit();
        editor.putBoolean("is_login", true);
        editor.putString("token", access_token);
        editor.putString("fullname", fullname);
        editor.apply();
        openDashboardIntent();
      } catch (Exception e) {
        mToast("Gagal Disimpan");
      }
    } else {
      mToast("Invalid Login. Try Again!");
    }
  } catch (JSONException e) {
    mToast("Login Failed. Try Again!");
  }
}
```

Lebih Lanjut :

<https://github.com/m-arson/androidStudio/blob/main/MoonDoor/app/src/main/java/com/example/moondoor/LoginPage.java>

Lampiran 3. Hasil Aplikasi & Notifikasi

- Tampilan Aplikasi (*Splash Screen, Login Page, dan Dashboard*)



- Notifikasi

