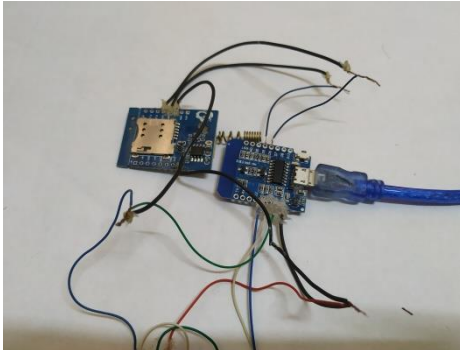
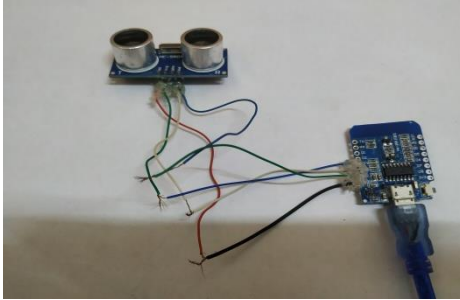


## LAMPIRAN

### 1. Dokumentasi




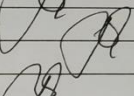

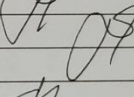
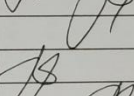
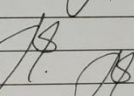

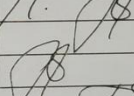
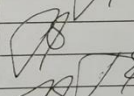
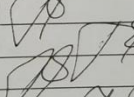
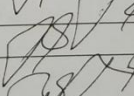
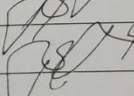
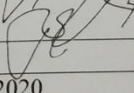
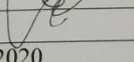
## 2. Daftar Riwayat Hidup

<b>DATA PRIBADI</b>		
<b>Nama</b>	: Moch. Ridho Alifi	
<b>Tempat, tanggal, lahir</b>	: Pasuruan, 26 April 1998	
<b>Jenis Kelamin</b>	: Laki-Laki	
<b>Kebangsaan</b>	: WNI	
<b>Agama</b>	: Islam	
<b>Status</b>	: Belum Nikah	
<b>Perguruan Tinggi</b>	: Universitas Yudharta Pasuruan	
<b>Fakultas</b>	: Teknik	
<b>Jurusan</b>	: Teknik Informatika	
<b>No. Telp.</b>	: 08580405211	
<b>Email:</b>	: alifiridho11@gmail.com	
<b>Alamat Rumah</b>	: Dsn. Dayurejo Ds. Dayurejo RT.02/RW.07 Kec. Prigen Kab. Pasuruan 67157	
<b>RIWAYAT PENDIDIKAN</b>		
<b>MI. MIFTAHUL HUDA</b>	: 2004 – 2010 (berijazah)	
<b>MTS. SUNAN GIRI</b>	: 2010 – 2013 (berijazah)	
<b>MA. NU. SUNAN GIRI</b>	: 2013 – 2016 (berijazah)	
<b>Universitas Yudharta Pasuruan</b>	: 2016 – 2020 (berijazah)	
<b>PENGALAMAN AKADEMIK</b>		
<b>Himpunan Mahasiswa Informatika (HUMANIKA)</b>	2016 – 2019	
<b>Organisasi Siswa Intra Sekolah (OSIS)</b>	2010 – 2016	

3. KARTU BIMBINGAN


**LEMBAR BIMBINGAN SKRIPSI**

Nama : Moch. Ridho Aliffi  
NIM : 201669040050  
Jurusan : Teknik Informatika  
Konsentrasi : Jaringan  
Judul : SISTEN NOTIFIKASI KEAMANAN  
RUMAH MENGGUNAKAN ARDUINO  
BERBASIS CLOUD COMPUTING

No	Tanggal	Bab	Materi	TTD. Pembimbing
1	21-03-2020		Pengajuan Topik	
2	29-03-2020	BAB I	Latar Belakang	
3	02-04-2020	BAB I	Pemvalidan	
4	05-04-2020	BAB II	Pemvalidan	
5	19-04-2020	BAB III	Revisi	
6	27-04-2020	BAB III	Pemvalidan	
7	01-05-2020		Fix Sempro	
8	10-05-2020	BAB III	Revisi Sempro	
9	19-05-2020	BAB III	Fix revisi sempro	
10	24-05-2020	BAB IV	Penyusunan Alur	
11	31-05-2020	BAB IV	Revisi	
12	13-06-2020	BAB IV	Revisi	
13	21-06-2020	BAB IV DAN V	Fix revisi	
14	06-07-2020		Fix sidang	

Pasuruan, 8 Agustus 2020

Pembimbing,













**Muhammad Faishol Amrulloh, M.Kom**  
**NIP. Y. 069.17.09.007**

#### 4. KARTU SEMINAR

##### KARTU SEMINAR

Nama : Mach Bidho Anif  
 Nim : 20166090050  
 Prodi : INFORMATIKA  
 Fakultas : TEKNIK

NO	Tanggal	Judul Seminar yang diikuti	Dosen Pendamping	Tanda Tangan	Keterangan
1	20 April 2017	Penalaran cuaca menggunakan Adaptive Neuro fuzzy	Rahmat Zahid Aladin Mkom		
2	20 April 2017	Identifikasi Jenis Buah Manis menggunakan Algoritma K-NEAREST NEIGHBOR	Rahmat Zahid Aladin Mkom		
3	20 April 2017	Analisis data kelola teknologi informasi pada perusahaan sumber daya manusia di wilayah kecamatan narmas pada Pt. Aura Beton	Rahmat Zahid Aladin Mkom		
4	20 April 2017	Sistem pengaman pengiriman file email dan menggunakan steagoraphy Circle equation	Anif Faizun S.kom M.kom		
5	20 April 2017	Prediksi nilai pemilu legislatif menggunakan Algoritma CES berbasis Backward Elimination	Anif Faizun S.kom M.kom		
6	20 April 2017	Persebaran Citra Digital & deteksi objek pada berbagai menggunakan metode HOG dan SVM	Anif Faizun S.kom M.kom		
7	20 April 2017	Aplikasi pengenalan satwa kerdik Anak menggunakan Augmented Reality Berbasis Android	Anif Faizun S.kom M.kom		
8	19 April 2018	Prediksi produk Kasur menggunakan Fuzzy Inference System Mamdani dan Sugeno	Anif Tri Arianto M.M		
9	19 April 2018	Klasifikasi tumor otak berdasarkan menggunakan ekstraksi fitur menggunakan level co-occurrence filter gray level matrix dan support Vector machine	Anif Tri Arianto M.M		
10	19 April 2018	Vector Machine Aplikasi pembelajaran bahasa arab untuk anak usia dini berbasis android menggunakan speech recognition	Anif Tri Arianto, M.M		

Catatan : kartu ini digandakan dan di lampirkan sebagai syarat ujian skripsi  
 Syarat ujian skripsi Minimal Mengikuti 5 kali Seminar

## 5. Kode Arduino

```
#include <SoftwareSerial.h>

SoftwareSerial mySerial(D6,D5); // RX, TX

#include <ESP8266WiFi.h>

#include <FirebaseArduino.h>//jika error maka
Downgrade "Arduinojson by Benoit Blanchon" to the
version 5.13.2. di menu manage library

#define FIREBASE_HOST "arduinouyp.firebaseio.com"

#define FIREBASE_AUTH
"I4ypeV1hhiElxSk4JBwUB8qWP33Zcp5GsEm1v1oi"

#define WIFI_SSID "ARDUINO"

#define WIFI_PASSWORD "123456789"

const int pengirim =D3; //trigger di pin 3

const int penerima =D4; //echo di pin 4

long durasi;

long jarak;

void setup() {

  pinMode(pengirim, OUTPUT); // Set pengirim/trigger

  pinMode(penerima, INPUT); // Set penerima/echo

  // connect to wifi.

  WiFi.begin(WIFI_SSID, WIFI_PASSWORD);

  while (WiFi.status() != WL_CONNECTED) {

    delay(1000);
```

```
    }  
    Firebase.begin(FIREBASE_HOST,  
FIREBASE_AUTH);  
    mySerial.begin(9600);  
    //Serial.println("Sistem Deteksi orang");  
    delay(5000);  
}  
void loop() {  
    // bersihkan nilai pengirim  
    digitalWrite(pengirim, LOW);  
    delayMicroseconds(2);  
    // Sets pengirim on LOW state for 10 micro seconds  
    digitalWrite(pengirim, HIGH);  
    delayMicroseconds(10);  
    digitalWrite(pengirim, LOW);  
    // membaca penerima, mengkonversi gelombang dalam  
    bentuk microseconds  
    durasi = pulseIn(penerima,HIGH);  
    // menghitung jarak  
    jarak= durasi*0.034/2;  
    jarak=jarak*100; //mengubah data ke dalam centi meter  
    Firebase.setFloat("deteksiorang/nilai", jarak);  
    {
```

```
if (jarak<=1000) {
  delay(2000);
  //Serial.println("Set format SMS ke ASCII");
  mySerial.write("AT+CMGF=1\r\n");
  delay(2000);
  //Serial.println("baca ada indikasi sms baru");
  //AT set default bagaimana atau hapus pesan di simcard
  mySerial.write("AT+CNMI=1,2,0,0,0\r\n");
  delay(2000);
  //kirim sms
  //Serial.println("Set SMS ke Nomor Tujuan");
  mySerial.write("AT+CMGS=\"085804055211\"\r\n");
  delay(2000);
  //Serial.println("Send SMS content");
  mySerial.write("Terdeteksi ada orang !");
  delay(3000);
  //Serial.println("Mengirim Ctrl+Z");
  mySerial.write((char)26);
  delay(7000);
}
delay(1500);
}
```