

## Daftar Pustaka

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## Lampiran 1

### Kode Program

```

#include                                     int jari3 = 16; //Telunjuk
<ESP8266Webhook.h>                          bawah biru D0
#include <ESP8266WiFi.h>                     int jari4 = 0; //jari tengah
#include <Wire.h>                             bawah abu-abu D3
#include                                     int jari5 = 2; //jari manis
<LiquidCrystal_I2C.h>                       bawah coklat D4
                                             int kondisi1=1; //Ya
                                             int kondisi2=1; //Tidak
                                             int kondisi3=1; //Sekarang
                                             Jam berapa?
                                             int kondisi4=1; //Saya mau
                                             makan
                                             int kondisi5=1; //saya mau
                                             minum
                                             int buzzerstate=LOW;
                                             int keyIndex = 0; // your
                                             network key Index number
                                             (needed only for WEP)
                                             const char* server =
//variabel                                 "maker.ifttt.com";
const int buzzer = 15;
int BUTTON = 14;
//Telunjuk D5
int jari1 = 12; //jari tengah
kuning D6
int jari2 = 13; //jari manis
oren D7

```

```

pinMode(buzzer,
OUTPUT);
pinMode(jari1,
INPUT_PULLUP);
pinMode(jari2,
INPUT_PULLUP);
pinMode(jari3,
INPUT_PULLUP);
pinMode(jari4,
INPUT_PULLUP);
pinMode(jari5,
INPUT_PULLUP);
lcd.begin(16,2);
lcd.init();
lcd.clear();
lcd.backlight();
}

void loop(){
kondisi1=digitalRead(jari1);
if(kondisi1==0){
digitalWrite(buzzer,HIGH);
delay (500);
digitalWrite(buzzer,LOW);

lcd.clear();
lcd.setCursor(1,0);
lcd.print("Pasien
berkata:");
lcd.setCursor(6,1);
lcd.print("Ya");
delay(4000);
lcd.clear();
lcd.backlight();
}

kondisi2=digitalRead(jari2);
if(kondisi2==0){
digitalWrite(buzzer,HIGH);
delay (500);
digitalWrite(buzzer,LOW);

lcd.clear();
lcd.setCursor(1,0);
lcd.print("Pasien
berkata:");
lcd.setCursor(6,1);
lcd.print("Tidak");
delay(4000);
lcd.clear();
lcd.backlight();
}

kondisi3=digitalRead(jari3);

```

```

        if(kondisi3==0){
            digitalWrite(buzzer,HIGH);
            delay (500);
            digitalWrite(buzzer,LOW);
            lcd.print("Saya Mau
            Makan");
            delay(4000);
            lcd.clear();
            lcd.backlight();
        }
    
```

```

        lcd.clear();
        lcd.setCursor(1,0);
        lcd.print("Saya Mau
        Ke");
        lcd.setCursor(1,1);
        lcd.print("Kamar
        Mandi?");
        delay(4000);
        lcd.clear();
        lcd.backlight();
    }
    
```

```

        kondisi5=digitalRead(jari5);
        if(kondisi5==0){
            digitalWrite(buzzer,HIGH);
            delay (500);
            digitalWrite(buzzer,LOW);
            lcd.clear();
            lcd.setCursor(1,0);
            lcd.print("Saya Mau
            Minum");
            delay(4000);
            lcd.clear();
            lcd.backlight();
        }
    
```

```

        kondisi4=digitalRead(jari4);
        if(kondisi4==0){
            digitalWrite(buzzer,HIGH);
            delay (500);
            digitalWrite(buzzer,LOW);
            if(digitalRead(BUTTON)
            == LOW){
    
```

```

                lcd.clear();
                lcd.setCursor(1,0);
                digitalWrite(buzzer,HIGH);
                delay (1500);
    
```



```

Serial.println("");

digitalWrite(buzzer,LOW);

  lcd.clear();
  lcd.setCursor(0,0);
  lcd.print("Pasien
Memanggil");
  lcd.setCursor(0,1);
  lcd.print("Perawat");
  delay(4000);
  lcd.clear();
  lcd.backlight();
  makeIFTTTRquest();
}
else{
  digitalWrite(buzzer,LOW);
}
}

void initWifi() {
  Serial.print("Connecting
to: ");
  Serial.print(ssid);
  WiFi.begin(ssid,
password);

  int timeout = 10 * 4;
  while(WiFi.status() !=
WL_CONNECTED &&
(timeout-- > 0)) {
    delay(250);
    Serial.print(".");
  }

  Serial.println("");

  if(WiFi.status() !=
WL_CONNECTED) {
    Serial.println("Failed to
connect, going back to sleep");
  }

  Serial.print("WiFi
connected in: ");
  Serial.print(millis());
  Serial.print(", IP address:
");
  Serial.println(WiFi.localIP());
}

void makeIFTTTRquest()
{
  Serial.print("Connecting to
");
  Serial.print(server);

  WiFiClient client;
  int retries = 5;

  while(!client.connect(server,
80) && (retries-- > 0)) {
    Serial.print(".");
  }
  Serial.println();
}

```



```

if(!client.connected()) {
    Serial.println("Failed to
connect, going back to sleep");
}

Serial.print("Request
resource: ");
Serial.println(resource);
client.print(String("GET ")
+ resource +
" HTTP/1.1\r\n"
+
"Host: " + server
+ "\r\n" +
"Connection:
close\r\n\r\n");

int timeout = 5 * 10;

while(!client.available()
&& (timeout-- > 0)){
    delay(100);
}

if(!client.available()) {
    Serial.println("No
response, going back to
sleep");
}

while(client.available()){
    Serial.write(client.read());
}

Serial.println("\nclosing
connection");
client.stop();
}

```



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