**SCRIPT UNTUK SAKLAR INPUT BERUPA HASIL LAMPU LED**

int pushButton1 = 9;//merah1

int pushButton2 = 7;//kuning

int pushButton3 = 2;//merah2

int lampuLED1 = 6;//hijau

int lampuLED2 = 5;//merah

int lampuLED3 = 4;//kuning

void setup()

{

Serial.begin(9600);

pinMode(pushButton1, INPUT);

pinMode(pushButton2, INPUT);

pinMode(pushButton3, INPUT);

pinMode(lampuLED1,OUTPUT);

pinMode(lampuLED2,OUTPUT);

pinMode(lampuLED3,OUTPUT);

}

void loop()

{

int kondisiButton1 = digitalRead(pushButton1);

if (kondisiButton1==1){

digitalWrite(lampuLED1,HIGH);

}else{

digitalWrite(lampuLED1,LOW);

}

Serial.println(kondisiButton1);

delay(100);

int kondisiButton2 = digitalRead(pushButton2);

if (kondisiButton2==1){

digitalWrite(lampuLED2,HIGH);

}else{

digitalWrite(lampuLED2,LOW);

}

Serial.println(kondisiButton2);

delay(100);

int kondisiButton3 = digitalRead(pushButton3);

if (kondisiButton3==1){

digitalWrite(lampuLED3,HIGH);

}else{

digitalWrite(lampuLED3,LOW);

}

Serial.println(kondisiButton3);

delay(100);

}

**SCRIPT UNTUK SAKLAR INPUT BERUPA HASIL LAMPU LED – SIMPAN KE MYSQL**

#include <SPI.h>

#include <Ethernet.h>

//===== KONFIGURASI ETHERNET =====

int pgigi = 10 ;

int pumum = 9 ;

int petugas = 7 ;

int petugas1 = 5;

int y;

int currx;

String txData="";

byte mac[] = {

0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED };

//char server[] = "www.antrianpuskesmas.hol.es";

IPAddress ip(192,168,1,99);

EthernetClient client;

//==== KONFIGURASI SAKLAR STATUS

int pushButton1 = 9;//merah1

int pushButton2 = 7;//kuning

int pushButton3 = 2;//merah2

int lampuLED1 = 6;//hijau

int lampuLED2 = 5;//merah

int lampuLED3 = 4;//kuning

void setup()

{

Serial.begin(9600);

pinMode(pushButton1, INPUT);

pinMode(pushButton2, INPUT);

pinMode(pushButton3, INPUT);

pinMode(lampuLED1,OUTPUT);

pinMode(lampuLED2,OUTPUT);

pinMode(lampuLED3,OUTPUT);

while (!Serial) {

; //wait for serial port to connect. Needed for Leonardo only

}

// if (Ethernet.begin(mac) == 0) {

// Serial.println("Failed to configure Ethernet using DHCP");

Ethernet.begin(mac, ip);

// }

delay(1000);

Serial.println("connecting...");

kirim ();

}

void loop(){

kirim();

}

void kirim()

{

//CEK STATUS SAKLAR DI MIKROKONTROLER, DAN AMBIL NILAI

int kondisiButton1 = digitalRead(pushButton1);

if (kondisiButton1==1){

digitalWrite(lampuLED1,HIGH);

pgigi = 1;

}else{

digitalWrite(lampuLED1,LOW);

pgigi = 0;

}

Serial.println(kondisiButton1);

delay(100);

int kondisiButton2 = digitalRead(pushButton2);

if (kondisiButton2==1){

digitalWrite(lampuLED2,HIGH);

petugas = 1;

}else{

digitalWrite(lampuLED2,LOW);

petugas = 0;

}

Serial.println(kondisiButton2);

delay(100);

int kondisiButton3 = digitalRead(pushButton3);

if (kondisiButton3==1){

digitalWrite(lampuLED3,HIGH);

pumum = 1;

}else{

digitalWrite(lampuLED3,LOW);

pumum = 0;

}

Serial.println(kondisiButton3);

delay(100);

//KIRIM NILAI DARI MIKROKONTROLER KE DATABASE MYSQL

EthernetClient client;

//if (client.connect(server, 80)){

if (client.connect("192.168.1.11", 80)){

txData = "pgigi="+ (String (pgigi)) + "&petugas="+ (String (petugas)) + "&pumum="+ (String (pumum)) + "&petugas1="+ (String (petugas1));

Serial.println("connected");

Serial.print(txData);

client.println("POST /antri/update1.php HTTP/1.1");

//jika menggunakan insert pakai client.println("POST /antri/insert.php HTTP/1.1");

client.println("Host: 192.168.1.11");

client.println("Connection: close");

client.print("Content-Type: application/x-www-form-urlencoded\n");

client.print("Content-Length: ");

client.print(txData.length());

client.print("\n\n");

client.print(txData);

Serial.println(txData);

delay (1000);

}

else{

Serial.println("Connection Failed.");

Serial.println();

delay (1500);

}

}

Ngetessttttttttttttttttttttttttttttttttt tapi gagal.,.,,,,,,,,,,,,,,,,,,,

#include <SPI.h>

#include <Ethernet.h>

//===== KONFIGURASI ETHERNET =====

int status\_telur = 0;

int id\_ayam = 0;

int y;

int currx;

String txData="";

byte mac[] = {

0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED };

//char server[] = "www.antrianpuskesmas.hol.es";

IPAddress ip(192,168,1,99);

EthernetClient client;

//==== KONFIGURASI SAKLAR STATUS

int pushButton [] = {9,7,4}; // merah, kuning, merah

int ledPINS[] = {6,5,4}; //hijau, merah, kuning

int jumlahPin = 3 ;

int kondisi\_telur = 0 ;

void setup()

{

Serial.begin(9600);

for (int thisPin = 0; thisPin < jumlahPin; thisPin++)

{

pinMode(ledPINS[thisPin], OUTPUT);

pinMode(pushButton[thisPin],INPUT);

}

while (!Serial) {

; //wait for serial port to connect. Needed for Leonardo only

}

// if (Ethernet.begin(mac) == 0) {

// Serial.println("Failed to configure Ethernet using DHCP");

Ethernet.begin(mac, ip);

// }

delay(1000);

Serial.println("connecting...");

kirim();

}

void loop(){

kirim();

}

void kirim()

{

//cek semua PIN, bilamana ada yg DITEKAN

for (int thisPin = 0; thisPin < jumlahPin; thisPin++)

{

//CEK STATUS SAKLAR DI MIKROKONTROLER, DAN AMBIL NILAI

kondisi\_telur = digitalRead(pushButton[thisPin]);

if (kondisi\_telur==1){

digitalWrite(ledPINS[thisPin],HIGH);

status\_telur = 1;

id\_ayam = pushButton[thisPin];

}else{

digitalWrite(ledPINS[thisPin],LOW);

status\_telur = 0;

id\_ayam = pushButton[thisPin];

}

Serial.println(kondisi\_telur);

delay(100);

//KIRIM NILAI DARI MIKROKONTROLER KE DATABASE MYSQL

EthernetClient client;

//if (client.connect(server, 80)){

if (client.connect("192.168.1.11", 80)){

txData = "id\_ayam="+ (String (id\_ayam)) + "&status\_telur="+ (String (status\_telur));

Serial.println("connected");

Serial.print(txData);

client.println("POST /chicken\_app/update\_telur.php HTTP/1.1");

//jika menggunakan insert pakai client.println("POST /antri/insert.php HTTP/1.1");

client.println("Host: 192.168.1.11");

client.println("Connection: close");

client.print("Content-Type: application/x-www-form-urlencoded\n");

client.print("Content-Length: ");

client.print(txData.length());

client.print("\n\n");

client.print(txData);

Serial.println(txData);

delay (1000);

}

else{

Serial.println("Connection Failed.");

Serial.println();

delay (1500);

}

}

}