LAMPIRAN

Lampiran 1. Coding Untuk Arduino

```
#define BLYNK_TEMPLATE_ID "TMPLe0zU9qbs"
#define BLYNK_DEVICE_NAME "carWisnu"

#define BLYNK_FIRMWARE_VERSION        "0.1.0"

#define BLYNK_PRINT Serial
#define APP_DEBUG

#include "BlynkEdgent.h"
#include "max6675.h"

int thermoDO = 19;
int thermoCS = 23;
int thermoCLK = 5;
MAX6675 thermocouple(thermoCLK, thermoCS, thermoDO);

const int potPin = 34;
const int pinKunci=22;
const int pinStart=21;

const int set_batas=75;
const int ON=0;
const int OFF=1;

int data_slider;
int data_tombol_kunci;
int data_tombol_start;
//button kunci
BLYNK_WRITE(V1){
  data_tombol_kunci = param.asInt();
  Serial.print("tombol kunci= ");Serial.println(data_tombol_kunci);
  if(data_tombol_kunci==1){
    digitalWrite(pinKunci,ON);
  }else if(data_tombol_kunci==0){
```

```
    digitalWrite(pinKunci,OFF);
  }
}

// pin start
BLYNK_WRITE(V2){
  data_tombol_start=param.asInt();
  if((data_tombol_kunci==1)&&(data_tombol_start==1)){
    digitalWrite(pinStart,ON);
    Serial.print("Start= ");Serial.println(data_tombol_start);
  }
  else if((data_tombol_kunci==1)&&(data_tombol_start==0)){
    digitalWrite(pinStart,OFF);
    Serial.print("Start= ");Serial.println(data_tombol_start);

  }
}
void setup()
{
  Serial.begin(115200);
  delay(100);
  pinMode(pinKunci,OUTPUT);
  pinMode(pinStart,OUTPUT);
  digitalWrite(pinKunci,OFF);
  digitalWrite(pinStart,OFF);
  BlynkEdgent.begin();
}

void loop() {
  BlynkEdgent.run();
  int data_suhu = thermocouple.readCelsius();
  Serial.println(data_suhu);
  delay(500);
  Blynk.virtualWrite(V0,data_suhu);
}
```

Lampiran 2. Wiring Diagram Sistem Kontrol Starter Berbasis IoT