

LAMPIRAN 1

Coding Program Rancang Bangun Tempat Pakan Kambing Otomatis Berbasis IOT



```

#include <EEPROM.h>

//=====

#include "OnewireKeypad.h" // OneWireKeypad Library

char KEYS[] = Define keys' values of Keypad
{
  'A','3', '2', '1',
  'B','6', '5', '4',
  'C','9', '8', '7',
  'D','#', '0', '*'
};

OnewireKeypad <Print, 16 > Keypad(Serial, KEYS, 4, 4, A2, 4700, 1000);

long longSA1=0,longSB1=0, longSA2=0,longSB2=0, longSA3=0,longSB3=0,
longSA4=0,longSB4=0;

int axSA1=0,axSB1=0, axSA2=0,axSB2=0, axSA3=0,axSB3=0,
axSA4=0,axSB4=0;

int JDWALjam1, JDWALmenit1, JDWALjam2, JDWALmenit2, JDWALjam3,
JDWALmenit3, JMLHKAMBING;

int SAVEjamSATU, SAVEmnitawalSATU, SAVEmnitakhirSATU,
SAVEjamKEDUA, SAVEmnitawalKEDUA, SAVEmnitakhirKEDUA,
SAVEjamKETIGA, SAVEmnitawalKETIGA, SAVEmnitakhirKETIGA,
SAVEJMLHKAMBING;

int jamSATU, mnitawalSATU, mnitakhirSATU, jamKEDUA, mnitawalKEDUA,
mnitakhirKEDUA, jamKETIGA, mnitawalKETIGA, mnitakhirKETIGA,
KAMBINGJUMLAH;

String angka,angka2;

int k1=0,k2=0,k3,k4,k5,k6;

```

```

//=====
//=====//

#include "HX711.h"
HX711 scale(A0, A1);
float calibration_factor = 378, units;
int berat,beratpakan1, beratpakan2, SAVEBERAT;

//=====
//=====//

#include <Wire.h>
#include <LiquidCrystal_PCF8574.h>
LiquidCrystal_PCF8574 lcd(0x27);
#include "RTClib.h"
RTC_DS1307 rtc;
char namaHari[7][12] = {"Minggu", "Senin", "Selasa", "Rabu", "Kamis", "Jumat",
                        "Sabtu"};
uint8_t tg, jm, mm, dt;

//=====
//=====//

#include <Servo.h>
Servo myservo1;
#define BUKA 33
#define BUKA 0
#define TUTUP 50

//=====
//=====//

String message;

```

```

uint8_t KONDISIlevelATAS, KONDISIlevelTEGAH, KONDISIlevelBAWAH;

//=====
//=====//

const int PinLEVELATAS=11, PinLEVELTENGAH=12,
PinLEVELBAWAH=13, PinSWITCHmaju=6, PinSWITCHmudur=5,
PinTOMBOL=4;

uint8_t LEVELATAS=0, LEVELTENGAH=0, LEVELBAWAH=0,
SWITCHmaju=0, SWITCHmudur=0, TOMBOL=0;

const int M1=8, M2=7, POMPA=10;

int KAMAR1=0, KAMAR2=0, KAMAR3=0, step1, step2, step3, step4, step5;

//=====
//=====//
SETTING JADWAL PAKAN

#define siapbuka 100
#define WK 60000

#define TUDAWAKTU 1
#define WAKTUSIRAM 1000

#define Lberat 202
#define setberat 10

void setup() {
Serial.begin(115200);
lcd.begin(16, 2);
lcd.setBacklight(255);
lcd.clear();

```

