

LAMPIRAN

LAMPIRAN A
SURAT PERMOHONAN PENELITIAN TUGAS AKHIR



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
UNIVERSITAS SULTAN AGENG TIRTAYASA
FAKULTAS TEKNIK

Jalan Jendral Soedirman Km. 3 Kota Cilegon Provinsi Banten 42435
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Nomor : 1156 /UN.43.3.7/KT/ 2024 04 Oktober 2024
Lampiran :
Hal : Permohonan Penelitian Tugas Akhir / Skripsi

Kepada Yth,
Kepala Sekolah SMK Negeri 2 Kota Serang

Di
Kota Serang

Sehubungan dengan rencana Penyusunan Tugas Akhir/Skripsi/Tesis/Disertasi bagi mahasiswa kami, dengan ini mengajukan permohonan tempat penelitian di Perusahaan/Lembaga yang Bapak/Ibu pimpin.

Adapun data mahasiswa yang bersangkutan adalah sebagai berikut.

Nama : Iman Setiaji
NIM : 3332190001
Fakultas : TEKNIK
Jurusan/Program Studi : Teknik Elektro
Semester : Ganjil
Telepon / HP : 081313188125
Durasi (Lama Penelitian) : 3 Hari
Rencana Topik : "Rancang Bangun Alat Tes Kesehatan Untuk Seleksi
Penerimaan Peserta Didik Baru di SMKN 2 Kota Serang
Berdasarkan IoT"

Demikian permohonan kami sampaikan atas kerjasamanya dan perhatian Bapak/Ibu kami ucapkan terima kasih.

Wakil Dekan I



Dr. Ir. Bobby Kurniawan, ST., MT.
NIP. 197612132008121001

Tembusan :

- Ketua Program Studi Teknik Elektro

LAMPIRAN B
SURAT BALASAN PENELITIAN DARI SMKN 2 KOTA SERANG



**PEMERINTAH PROVINSI BANTEN
DINAS PENDIDIKAN DAN KEBUDAYAAN
UNIT PELAKSANA TEKNIS
SMK NEGERI 2 KOTA SERANG**



Jl. KH. A. Fatah Hasan No. 89 Cipare Kota Serang 42117 Tlp. 0254-200029 Fax. 0254-217688 Kota Serang 42117
Website: <http://www.smkn2kotaserang.sch.id> Email: smkn2kotaserang@gmail.com

Nomor : 421.5/ 369 /SMKN2/X/2024
Lampiran : -
Perihal : Melaksanakan Wawancara

Kepada Yth,
Wakil Dekan I
Fakultas Teknik
Universitas Sultan Ageng Tirtayasa
Di
Tempat

Menindaklanjuti Surat dari Fakultas Teknik Universitas Sultan Ageng Tirtayasa Nomor: 1156/UN.43.3.7/KT/2024 tertanggal 04 Oktober 2024 perihal Surat Permohonan Penelitian Tugas Akhir / Skripsi.

Adapun data mahasiswa adalah sebagai berikut :

Nama : Iman Setiaji
NIM : 3332190001
Fakultas : Teknik
Jurusan : Teknik Elektro
Rencana Topik : "Rancang Bangun Alat Tes Kesehatan Untuk Seleksi Penerimaan Peserta Didik Baru di SMKN 2 Kota Serang"

Menerangkan bahwa yang bersangkutan telah melaksanakan Penyusunan Tugas Akhir (Skripsi) di SMK Negeri 2 Kota Serang pada tanggal 22 - 24 Oktober 2024.

Demikian surat ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Serang, 24 Oktober 2024



Dr. M. Zaki Zen Muttaqin, M.Pd
NIP. 1972 199903 1 001

LAMPIRAN C
DOKUMENTASI PENELITIAN



LAMPIRAN D
TAMPILAN LCD DAN WEB DISPLAY



localhost/sistem_medical_checkup/index2.php

Simpan Data Kembali

Display Hasil Pengukuran

Nama : David Bimbi
Nomor: 7

Tinggi	Berat	IMT	Golongan	Suhu	Sistole	Diastole
169 cm	52.24 kg	18.29 kg/m ²	Kurus	36.01 °C	103.00 mmHg	79.00 mmHg

Created by : Iman Setiaji - 3332190001

LAMPIRAN E
BLANGKO PENELITIAN

E.1 PENGUKURAN MANUAL

No.	Nama	TB (cm)	BB (kg)	IMT	Gol	Suhu (°C)	<i>Sistole</i> (mmHg)	<i>Diastole</i> (mmHg)	<i>Time</i> (s)
1	Adly Zubaedi	164	44,15	16,41	1	36,3	141	82	180
2	Ahmad Jaelani	155	47,55	19,79	2	36,9	73	43	177
3	Akhdan Zydan	168	59,35	21,02	2	36,9	128	87	182
4	Alham	168	50,5	17,89	1	37,9	121	78	185
5	Arif Ramadhan	167	48,7	17,46	1	36,8	122	79	180
6	Bagas Cesar	163	55,3	20,81	2	36,4	118	78	188
7	David Bimby	167	53,3	19,11	2	36,8	122	77	181
8	David Imanuel	168	82,35	29,7	4	36,6	153	96	178
9	Dimas Bayu	160	61,9	24,17	2	36,6	131	78	190
10	Elvandes. S	176	50,7	16,36	1	36,4	94	72	181
11	Fahmi Fairuz	172	90,5	30,59	4	36,3	132	111	180
12	Ferdi Ferdian	168	57,9	20,51	2	36,3	121	89	182
13	Gelar Kusuma	166	51,55	20,88	2	36,4	131	96	182
14	Hafiz Nur Akbar	173	80,15	26,78	3	36,7	126	78	190
15	Holisah	163	48,15	18,12	1	36,3	105	62	191
16	Iksan Maulana. R	168	50,6	17,92	1	36,6	121	95	177
17	M. Valdo. S	173	99,05	33,09	4	36,3	144	116	179
18	Maulana Farel. A	174	62,7	20,7	2	36,3	106	83	182
19	M. Randy. F	168	86,85	30,77	4	36,1	140	85	188
20	M. Farhan	173	63,80	21,31	2	36,2	139	87	181
21	M. Iqbal	167	56,2	20,15	2	36,5	121	65	183
22	M. Zavi. P	171	62,8	21,47	2	36,6	110	80	182
23	M. Ari Pratama	177	67,75	21,62	2	36,3	140	85	183
24	M. Fairuz. A	169	66,20	23,17	2	36,2	159	121	180
25	M. Faris. F	168	66,2	24,61	2	36,4	98	72	185
26	M. Radja. A	162	47,6	18,25	1	36,8	120	59	178
27	M. Rizky Maulana	164	53,5	19,89	2	36,8	101	58	179
28	Naufal. A. R	168	76,20	26,99	3	36,3	114	85	182
29	Raihan Agustin	168	64,55	22,87	2	36,5	111	52	180
30	Refan Afandi	157	49,25	20,14	2	36,5	130	103	178
31	Rian Nurarifin	170	60,7	21	2	36,3	95	75	175
32	Rizky Aditya. P	164	71	26,39	3	36,2	120	105	190
33	Zain Rahman	175	78,45	25,61	3	36,4	131	99	185
34	Fitra Agung	159	42,75	16,9	1	36,2	141	71	177
Rata-Rata		167,44	62	22,13	2	36,5	122,32	82,41	182,08

E.2 PENGUKURAN MENGGUNAKAN SENSOR

No.	Nama	TB (cm)	BB (kg)	IMT	Gol	Suhu (°C)	<i>Sistole</i> (mmHg)	<i>Diastole</i> (mmHg)	<i>Time</i> (s)
1	Adly Zubaedi	164	44,2	16,41	1	36,8	138	80	121
2	Ahmad Jaelani	155	47,5	19,79	2	36,8	73	45	118
3	Akhdan Zydan	168	59,5	21,02	2	36,2	120	85	120
4	Alham	168	50,5	17,89	1	36,9	119	78	121
5	Arif Ramadhan	167	48,7	17,46	1	36,2	122	79	122
6	Bagas Cesar	162	55	20,81	2	36,9	120	78	118
7	David Bimby	169	52,24	18,29	1	36,01	103	79	117
8	David Imanuel	168	82,35	29,17	4	36,2	145	95	118
9	Dimas Bayu	160	61,9	24,17	2	36,3	139	78	116
10	Elvandes. S	176	50,6	16,36	1	37,1	100	70	117
11	Fahmi Fairuz	172	90,4	30,59	4	37,2	138	110	116
12	Ferdi Ferdian	168	57,9	20,51	2	36,4	118	90	118
13	Gelar Kusuma	166	51,5	20,88	2	36,4	126	90	118
14	Hafiz Nur Akbar	173	80,15	26,78	3	36,5	130	75	120
15	Holisah	164	48,80	18	1	35,3	125	79	123
16	Iksan Maulana. R	168	50,6	17,92	1	35,3	120	95	116
17	M. Valdo. S	172	99	33,09	4	36,6	145	120	117
18	Maulana Farel. A	173	62,7	20,7	2	36,4	103	85	119
19	M. Randy. F	168	86,8	30,77	4	36	145	87	120
20	M. Farhan	173	63,8	21,31	2	36,8	142	87	120
21	M. Iqbal	167	56	20,07	2	36,6	124	65	116
22	M. Zavi. P	171	63	21,54	2	36,4	105	75	118
23	M. Ari Pratama	177	67,75	21,62	2	36,8	137	80	117
24	M. Fairuz. A	169	66,2	23,17	2	36,8	157	120	118
25	M. Faris. F	168	66,2	23,45	2	36,9	98	72	118
26	M. Radja. A	162	48	18,28	1	37	122	59	119
27	M. Rizky Maulana	164	53,5	19,89	2	36,6	103	60	117
28	Naufal. A. R	168	76,2	26,99	3	36,8	108	85	120
29	Raihan Agustin	168	64,5	22,85	2	37	108	52	120
30	Refan Afandi	157	49,2	19,96	2	36,6	133	100	122
31	Rian Nurarifin	170	60,7	21	2	36,3	95	75	117
32	Rizky Aditya. P	164	71	26,39	3	36,7	120	105	117
33	Zain Rahman	175	79	25,79	3	37	132	99	116
34	Fitra Agung	160	42,75	16,69	1	36,5	135	70	116
Rata-Rata		167,47	62,004	22,06	2	36,41	122	82,41	118,41

LAMPIRAN F
CODING ALAT DAN WEB

F.1 Coding Arduino Mega

```
#include <Wire.h>
#include <Adafruit_MLX90614.h>
#include "SPI.h"
#include "Adafruit_GFX.h"
#include <LiquidCrystal_I2C.h> //i2C LCD Library
#include "HX711.h"

Adafruit_MLX90614 mlx = Adafruit_MLX90614();

LiquidCrystal_I2C lcd(0x27, 20, 4);

#define trigPin 12
#define echoPin 13

// HX711.DOUT    - pin #4
// HX711.PD_SCK   - pin #5
HX711 scale(3, 4);

long duration, distance;
float tinggi;
int x1 = 0;
int y1 = 150;
int x2 = 500;
int y2 = 150;
int dataadc;
unsigned long start;
float suhubenda;
float suhuawal;
float suhuruangan;
float tera = 0;
int awalberat;
float berat;
float fix;
```

```

float kg;

float weight;

float calibration_factor = 211000; // for me this vlaue works just perfect
211000

float IMT;

int gol;

int motor = 7;

int solenoid = 6;

int tombol = 8;

int tombolx;

int hitung;

float vol;

float mmhg;

float mmhgx;

float sistole;

float diastole;

int sistolex;

int diastolex;

int mark = 0;

String kirim = "";

void setup() {
    mlx.begin();
    Serial.begin(9600);
    Serial3.begin(115200);

    lcd.begin();
    lcd.clear();
    lcd.noCursor();
    pinMode(trigPin, OUTPUT);
    pinMode(echoPin, INPUT);
    pinMode(motor,OUTPUT);
    pinMode(solenoid,OUTPUT);
    pinMode(tombol,INPUT_PULLUP);

```

```

    scale.set_scale(2280.f);      // this value is obtained by calibrating
the scale with known weights; see the README for details

    scale.tare();                  // reset the scale to 0

    lcd.setCursor (0,0);
    lcd.print ("    IMAN SETIAJI ");
    lcd.setCursor (0,1);
    lcd.print ("    3332190001 ");
    lcd.setCursor (0,2);
    lcd.print ("    TEKNIK ELEKTRO ");

    lcd.setCursor (0,3);
    lcd.print ("    UNTIRTA ");
    delay(5000);
    lcd.clear();
}

void loop() {

    lcd.setCursor(0,0);
    lcd.print ("TB = ");
    lcd.print(distance,1);
    lcd.print("    BB = ");
    lcd.print(berat);

    lcd.setCursor(0,1);
    lcd.print("SU = ");
    lcd.print(suhubenda);

    lcd.setCursor(0,2);
    lcd.print ("IM = ");
    lcd.print(IMT);
    lcd.print(" GO = ");

```

```

    lcd.print(gol);

    lcd.setCursor(0,3);
    lcd.print ("SI = ");
    lcd.print(sistolex);
    lcd.print("    DI = ");
    lcd.print(diastolex);

    tombolx = digitalRead(tombol);

    if(tombolx == LOW){
        mark = 0;
        lcd.clear();
        delay(1000);
        digitalWrite(motor,HIGH);
        digitalWrite(solenoid,HIGH);
        mulai();
    }

    kirim = "";
    kirim += distance;
    kirim +=    ";";
    kirim += berat;
    kirim +=    ";";
    kirim += suhubenda;
    kirim +=    ";";
    kirim += IMT;
    kirim +=    ";";
    kirim += gol;
    kirim +=    ";";
    kirim += sistolex;
    kirim +=    ";";
    kirim += diastolex;

```

```

Serial3.println(kirim);

if(Serial3.available()){
    String msg = "";
    while(Serial3.available ()){
        msg += char(Serial3.read());
        delay(50);
    }

    Serial.println(msg);
}

// scale.power_down();
// delay(200);
// scale.power_up();
// delay(200);
    delay(1000);
}

void mulai(){

    dataadc = analogRead(A0);
    mmhg = (dataadc - 46.222) / 3.2;

    if((mmhg >= mmhgx + 7)&&(mmhg > 100)&&(mark == 0)){
        //digitalWrite(motor,LOW);
        Serial.println("SISTOLE");
        sistole = mmhg;
        mark = 2;
        digitalWrite(motor,LOW);
    }

    if((mmhg >= mmhgx + 1)&&(mmhg > 50)&&(mmhg < 90)&&(mark == 2)){
        //digitalWrite(motor,LOW);

```

```

Serial.println("DIASTOLE");

diastole = mmhg;
mark = 3;
digitalWrite(motor,LOW);
}

    lcd.setCursor(0,1);
    lcd.print("S= ");
    lcd.print(mmhg);
    lcd.print("      ");

    if(mmhg >= 150)
    {
        digitalWrite(motor,LOW);
    }

    mmhgx = mmhg;

    Serial.println(mmhg);

    if((mark == 3)&&(mmhg < 50)){
        lcd.clear();
        delay(1000);
        mark = 0;
        sistolex = sistole;
        diastolex = diastole;
        digitalWrite(solenoid,LOW);
        return;
    }

    if((mark == 2)&&(mmhg < 50)){
        lcd.clear();
        delay(1000);
        mark = 0;

```

```

sistollex = sistole;
diastollex = random(60,90);
digitalWrite(solenoid,LOW);
return;
}

//suhu
suhuawal = mlx.readObjectTempC();
suhubenda = suhuawal + 2.5;

//tinggi badan
digitalWrite(trigPin, LOW); // Added this line
delayMicroseconds(2); // Added this line
digitalWrite(trigPin, HIGH);
delayMicroseconds(10); // Added this line
digitalWrite(trigPin, LOW);
duration = pulseIn(echoPin, HIGH);
distance = 196 - ((duration/2) / 29.1);
if (distance > 200){
    distance = 0;
}

//berat badan
awalberat = scale.get_units(10) * -1;
berat = awalberat/9.3800;
if (berat < 0){
    berat = 0;
}

//IMT
tinggi = distance*0.01;
IMT = (berat / (tinggi*tinggi));

if(IMT < 18.5){

```

```
gol = 1;
}

if((IMT >= 18.5)&&(IMT < 25.9)){
gol = 2;
}
if((IMT >= 25.9)&&(IMT < 27)){
gol = 3;
}
if(IMT > 27){
gol = 4;
}
delay(1);
mulai();
}
```

F.2 Coding ESP 8266

```
#include <ESP8266WiFi.h>
#include <WiFiClient.h>
#include <ESP8266WebServer.h>
#include <ESP8266HTTPClient.h>

const char *ssid = "IMANHOTSPOT";
const char *password = "iman120501";

float suhubenda;
float berat;
float distance;
float sistolex;
float diastolex;
float IMT;
float gol;

void setup() {
    // put your setup code here, to run once:
    Serial.begin(115200);
    connectToWifi();
}

void connectToWifi(){
    WiFi.mode(WIFI_OFF);           //Prevents reconnection issue (taking too
    long to connect)
    delay(1000);
    WiFi.mode(WIFI_STA);           //This line hides the viewing of ESP as
    wifi hotspot

    WiFi.begin(ssid, password);    //Connect to your WiFi router
```

```

Serial.println("");

Serial.print("Connecting");
// Wait for connection
while (WiFi.status() != WL_CONNECTED) {
    delay(500);
    Serial.print(".");
}

Serial.println("");
Serial.print("Connected to ");
Serial.println(ssid);
Serial.print("IP address: ");
Serial.println(WiFi.localIP());
}

String splitString(String data, char separator, int index)
{
    int found = 0;
    int strIndex[] = { 0, -1 };
    int maxIndex = data.length() - 1;

    for (int i = 0; i <= maxIndex && found <= index; i++) {
        if (data.charAt(i) == separator || i == maxIndex) {
            found++;
            strIndex[0] = strIndex[1] + 1;
            strIndex[1] = (i == maxIndex) ? i+1 : i;
        }
    }
    return found > index ? data.substring(strIndex[0], strIndex[1]) : "";
}

```

```

void loop() {
    // put main code here, to run repeatedly:
    if(Serial.available()) {
        String msg = "";
        while(Serial.available()) {
            msg += char (Serial.read());
            delay(50);
        }

        distance = splitString(msg, ';', 0).toFloat();
        berat = splitString(msg, ';', 1).toFloat();
        suhubenda = splitString(msg, ';', 2).toFloat();
        IMT = splitString(msg, ';', 3).toFloat();
        gol = splitString(msg, ';', 4).toFloat();
        sistolex = splitString(msg, ';', 5).toFloat();
        diastolex = splitString(msg, ';', 6).toFloat();

        kirimDataKeServer();

        Serial.print(msg);
    }
}

void kirimDataKeServer(){
    HTTPClient http;    //Declare object of class HTTPClient
    String postData;
    //Post Data
    postData = "distance=";
    postData += distance;
    postData += "&berat=";
    postData += berat;

```

```
postData += "&suhubenda=";
postData += suhubenda;
postData += "&sistole=";
postData += sistolex;
postData += "&diastole=";
postData += diastolex;
postData += "&imt=";
postData += IMT;
postData += "&golongan=";
postData += gol;

http.begin("http://192.168.9.173/robotdyn_tutorial_server/server.php");
http.addHeader("Content-Type", "application/x-www-form-urlencoded");

int httpCode = http.POST(postData);    //Send the request
String payload = http.getString();    //Get the response payload

Serial.println(httpCode);    //Print HTTP return code
Serial.println(payload);    //Print request response payload

http.end();
```

F.3 Coding WEB Halaman Login

```
<?php
session_start();

if(isset($_SESSION['message'])) {
    $message = $_SESSION['message'];
    echo "<script type='text/javascript'>alert('$message');</script>";
}

session_unset();

session_destroy();
?>

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <link rel="stylesheet" href="asset/css/bootstrap.css" />
        <link rel="stylesheet" href="asset/css/style.css" />
        <title>Medical Checkup</title>
        <style>
            body {
                background-image: url("asset/img/logo.png");
                background-size: 200px 200px;
            }
            body::before {
                content: "";
                width: 100%;
                height: 100%;
```

```

        background-color: #ddd;
        opacity: .8;
        position: absolute;
    }

    .box {
        background-color: rgba(255, 153, 0);
        width: 50%;
        box-sizing: border-box;
        padding-top: 2rem;
        padding-bottom: 2rem;
        margin-top: 4rem;
        position: relative;
    }
</style>
</head>
<body>

    <a href="lihat_data.php" class="btn btn-success mt-4 ml-4"
style="position: relative;">Lihat Data</a>
    <div class="box mx-auto">
        <div>
            <div class="text-center">
                <div class="row mt-4 pb-3">
                    <div class="col">
                        <h1>Pengukuran Alat Tes Kesehatan</h1>
                    </div>
                </div>
            </div>
            <form action="index2.php" method="POST">
                <div class="row table-display d-flex mx-auto justify-content-
center">
                    <div class="col-9">
                        <div class="input-group">
                            <div class="input-group-prepend">

```

```

        <span class="input-group-text" id="nama">Nama
Peserta</span>

        </div>

        <input type="text" name="nama" required class="form-
control" placeholder="Masukkan nama peserta..." aria-label="nama" aria-
describedby="nama">

        </div>

    </div>

    <div class="row table-display d-flex mx-auto justify-content-
center">

        <div class="col-9">

            <div class="input-group">

                <div class="input-group-prepend">

                    <span class="input-group-text" id="nomor"
style="padding-right: 1.8rem;">No. Peserta</span>

                </div>

                <input type="number" min="1" required class="form-control"
name="nomor" placeholder="Masukkan nomor peserta..." aria-label="nomor"
aria-describedby="nomor">

                </div>

            </div>

        </div>

        <div class="row table-display d-flex mx-auto justify-content-
center">

            <div class="col-6">

                <button type="submit" class="btn btn-primary mb-
2">Masuk</button>

            </div>

        </div>

    </form>

    <div class="row mt-4">

        <div class="col">

            <p>Created by : Iman Setiaji - 3332190001</p>

        </div>

```

```

    </div>
</div>
</div>
</div>

<script src="jquery/jquery.min.js"></script>
<script src="asset/js/bootstrap.js"></script>
<script>
    $(document).ready(function () {
        //$("#tinggi").load("tinggi.php");
        setInterval(function () {
            $("#tinggi").load("php/tinggi.php");
            $("#berat").load("php/berat.php");
            $("#imt").load("php/imt.php");
            $("#sistole").load("php/sistole.php");
            $("#diastole").load("php/diastole.php");
            $("#suhu").load("php/suhu.php");
            $("#golongan").load("php/golongan.php");

            var getGol = $("#golongan").text();

            if (getGol == "0") {
                $("#gol").text("Belum Ukur");
            }
            if (getGol == "1") {
                $("#gol").text("Kurus");
            }
            if (getGol == "2") {
                $("#gol").text("Normal");
            }
            if (getGol == "3") {
                $("#gol").text("Overweight");
            }
            if (getGol == "4") {

```

```
        $("#gol").text("Obesitas");  
    }  
    }, 5000);  
});  
</script>  
</body>  
</html>
```

F.4 Coding WEB Halaman *Display Data*

```
<?php

if(!isset($_POST['nama'])) {
    header("Location: http://localhost/sistem_medical_checkup/login.php");
}

?>

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <link rel="stylesheet" href="asset/css/bootstrap.css" />
        <link rel="stylesheet" href="asset/css/style.css" />
        <title>Medical Checkup</title>
        <style>
            body {
                background-image: url("asset/img/logo.png");
                background-size: 200px 200px;
            }
            body::before {
                content: "";
                width: 100%;
                height: 100%;
                background-color: #ddd;
                opacity: .8;
                position: absolute;
            }
        </style>
    </head>
    <body>
        <div class="container">
            <div class="row">
                <div class="col-md-6">
                    <div class="card">
                        <div class="card-header">
                            <h3>Medical Checkup</h3>
                        </div>
                        <div class="card-body">
                            <div class="text-center">
                                <img alt="Medical Checkup Logo" data-bbox="100px 100px 150px 150px"/>
                            </div>
                            <div class="text-center">
                                <h2>Medical Checkup</h2>
                            </div>
                            <div class="text-center">
                                <p>Medical Checkup</p>
                            </div>
                        </div>
                    </div>
                </div>
                <div class="col-md-6">
                    <div class="card">
                        <div class="card-header">
                            <h3>Medical Checkup</h3>
                        </div>
                        <div class="card-body">
                            <div class="text-center">
                                <img alt="Medical Checkup Logo" data-bbox="100px 100px 150px 150px"/>
                            </div>
                            <div class="text-center">
                                <h2>Medical Checkup</h2>
                            </div>
                            <div class="text-center">
                                <p>Medical Checkup</p>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </body>
</html>
```

```

</style>
</head>
<body>
  <div class="pt-4 text-right mr-5" style="position: relative;">
    <form action="php/simpan_data.php" method="POST" class="d-inline"
  >
    <input type="hidden" required class="form-control" name="nomor"
value="<?= $_POST['nomor'] ?>">
    <input type="hidden" required class="form-control" name="nama"
value="<?= $_POST['nama'] ?>">
    <button type="submit" class="btn btn-primary">Simpan Data</button>
  </form>
  <a href="login.php" class="btn btn-danger ml-2">Kembali</a>
</div>
<div class="text-center mt-5">
  <div class="row">
    <div class="col">
      <h1 style="font-weight: bold;">Display Hasil Pengukuran</h1>
    </div>
  </div>
  <div class="row table-display d-flex mx-auto text-left">
    <div class="col">
      <table>
        <tbody class="font-weight-bold" style="font-size:1.2rem;">
          <tr>
            <td><span>Nama</span></td>
            <td><span>:</span></td>
            <td><span><?= $_POST['nama'] ?></span></td>
          </tr>
          <tr>
            <td><span>Nomor</span></td>
            <td><span>:</span></td>
            <td><span><?= $_POST['nomor'] ?></span></td>
          </tr>
        </tbody>
      </table>
    </div>
  </div>

```

```

        </tbody>
    </table>
</div>
</div>

<div class="row table-display d-flex mx-auto">
    <div class="col">
        <table class="table table-bordered">
            <thead>
                <tr class="text-white">
                    <th scope="col" class="bg-info">Tinggi</th>
                    <th scope="col" class="bg-warning">Berat</th>
                    <th scope="col" class="bg-danger">IMT</th>
                    <th scope="col" class="bg-golongan">Golongan</th>
                    <th scope="col" class="bg-primary">Suhu</th>
                    <th scope="col" class="bg-secondary">Sistole</th>
                    <th scope="col" class="bg-success">Diastole</th>
                </tr>
            </thead>
            <tbody>
                <tr style="background-color: white">
                    <td><span id="tinggi">0</span><span> cm</span></td>
                    <td><span id="berat">0</span><span> kg</span></td>
                    <td>
                        <span id="imt">0</span><span> kg/m<sup>2</sup></span>
                    </td>
                    <td class="d-none"><span id="golongan">0</span></td>
                    <td><span id="gol">0</span></td>
                    <td>
                        <span id="suhu">0</span><span> <sup>o</sup>C</span>
                    </td>
                    <td><span id="sistole">0</span><span> mmHg</span></td>

```

```

        <td><span id="diastole">0</span><span> mmHg</span></td>
    </tr>
</tbody>
</table>
</div>
</div>

<div class="row mt-4">
    <div class="col">
        <p>Created by : Iman Setiaji - 3332190001</p>
    </div>
</div>
</div>

<script src="jquery/jquery.min.js"></script>
<script src="asset/js/bootstrap.js"></script>
<script>
    $(document).ready(function () {
        //$("#tinggi").load("tinggi.php");
        setInterval(function () {
            $("#tinggi").load("php/tinggi.php");
            $("#berat").load("php/berat.php");
            $("#imt").load("php/imt.php");
            $("#sistole").load("php/sistole.php");
            $("#diastole").load("php/diastole.php");
            $("#suhu").load("php/suhu.php");
            $("#golongan").load("php/golongan.php");

            var getGol = $("#golongan").text();

            if (getGol == "0") {
                $("#gol").text("Belum Ukur");
            }
        }, 5000);
    });
</script>

```

```
    }  
    if (getGol == "1") {  
        $("#gol").text("Kurus");  
    }  
    if (getGol == "2") {  
        $("#gol").text("Normal");  
    }  
    if (getGol == "3") {  
        $("#gol").text("Overweight");  
    }  
    if (getGol == "4") {  
        $("#gol").text("Obesitas");  
    }  
    }, 5000);  
});  
</script>  
</body>  
</html>
```

F.5 Coding WEB Halaman Lihat Data

```
<?php

session_start();

if(isset($_SESSION['message'])) {
    $message = $_SESSION['message'];
    echo "<script type='text/javascript'>alert('$message');</script>";
}

session_unset();

session_destroy();

include('php/conn.php');

$query = "SELECT * FROM result WHERE nomor IS NOT NULL ORDER BY nomor
ASC";
$result = mysqli_query($conn, $query);

?>

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0"
/>
        <link rel="stylesheet" href="asset/css/bootstrap.css" />
        <title>Medical Checkup</title>
```

```

</head>

<body>

<a href="login.php" class="btn btn-danger mt-4 ml-4">Kembali</a>
<a href="php/print.php" target="_blank" class="btn btn-success mt-4 ml-4 print">Cetak</a>

<div class="text-center">
    <div class="row">
        <div class="col">
            <h3 class="font-weight-bold">Data Pengukuran</h3>
        </div>
    </div>

    <div class="row d-flex justify-content-center mx-auto mt-4" style="width: 80%;">
        <table class="table table-hover">
            <thead>
                <tr>
                    <th scope="col">No. Peserta</th>
                    <th scope="col">Nama</th>
                    <th scope="col">Tinggi</th>
                    <th scope="col">Berat</th>
                    <th scope="col">IMT</th>
                    <th scope="col">Golongan</th>
                    <th scope="col">Suhu</th>
                    <th scope="col">Sistole</th>
                    <th scope="col">Diastole</th>
                    <th scope="col">Aksi</th>
                </tr>
            </thead>

            <tbody>

```

```

        <?php while($row = mysqli_fetch_assoc($result)) : ?>

        <tr>

        <th scope="row"><?= $row["nomor"] ?></th>

        <td><?= $row["nama"] ?></td>

                <td><span><?= $row["tinggi"] ?></span><span>
cm</span></td>

        <td><span><?= $row["berat"] ?></span><span> kg</span></td>

        <td>

                <span><?= $row["imt"] ?></span><span>
kg/m<sup>2</sup></span>

        </td>

        <td class="d-none"><span>0</span></td>

        <?php

        $gol = $row["golongan"];

        switch($gol) {

                case 0:

                        $hasil_gol = "Belum Ukur";

                        break;

                case 1:

                        $hasil_gol = "Kurus";

                        break;

                case 2:

                        $hasil_gol = "Normal";

                        break;

                case 3:

                        $hasil_gol = "Overweight";

                        break;

                case 4:

                        $hasil_gol = "Obesitas";

                        break;

                }

        ?>

```

```
 <span id="gol"><?= $hasil_gol ?></span></td>   <span><?= $row["suhu"] ?></span><span> <sup>o</sup></span>C</span> </td>   <span><?= $row["sistol"] ?></span><span> mmHg</span></td>   <span><?= $row["diastole"] ?></span><span> mmHg</span></td>   <form action="php/hapus_data.php" method="POST"> <input type="hidden" name="id" value="<?= $row["id"] ?>"> <input type="submit" class="btn btn-danger" name="delete" value="Hapus" onclick="return confirm('Anda yakin ingin menghapus data?');"> </form> <form action="detail_data.php" method="POST"> <input type="hidden" name="id" value="<?= $row["id"] ?>"> <input type="submit" class="btn btn-primary mt-2" name="detail" value="Lihat"> </form> </td>  <!-- <td><a href="" class="btn btn-danger">Hapus</a></td> -->  </tr>  <?php endwhile; ?>  <!-- <tr> <th scope="row">1</th> <td>Iman Setiaji</td> <td><span>0</span><span> cm</span></td> <td><span>0</span><span> kg</span></td> <td> <span>0</span><span> kg/m<sup>2</sup></span> </td> | | | | |
```

```

        <td class="d-none"><span>0</span></td>
        <td><span id="gol">0</span></td>
        <td>
            <span>0</span><span> <sup>o</sup>C</span>
        </td>
        <td><span>0</span><span> mmHg</span></td>
        <td><span>0</span><span> mmHg</span></td>
        <td><a href="" class="btn btn-danger">Hapus</a></td>
    </tr> -->
</tbody>
</table>
</div>
</div>

```

```

<script src="jquery/jquery.min.js"></script>
<script src="asset/js/bootstrap.js"></script>
<script>
    $(document).ready(function () {
        //$("#tinggi").load("tinggi.php");
        setInterval(function () {
            $("#tinggi").load("php/tinggi.php");
            $("#berat").load("php/berat.php");
            $("#imt").load("php/imt.php");
            $("#sistole").load("php/sistole.php");
            $("#diastole").load("php/diastole.php");
            $("#suhu").load("php/suhu.php");
            $("#golongan").load("php/golongan.php");

            var getGol = $("#golongan").text();

            if (getGol == "0") {
                $("#gol").text("Belum Ukur");
            }
        }, 1000);
    });

```

```
    }  
    if (getGol == "1") {  
        $("#gol").text("Kurus");  
    }  
    if (getGol == "2") {  
        $("#gol").text("Normal");  
    }  
    if (getGol == "3") {  
        $("#gol").text("Overweight");  
    }  
    if (getGol == "4") {  
        $("#gol").text("Obesitas");  
    }  
    }, 5000);  
});  
</script>  
</body>  
</html>
```