

LAMPIRAN

1. Lampiran source code ESP8266

```
#include <UrlEncode.h>
#include <Arduino.h>
#include <ESP8266WiFi.h>
#include <ESP8266WiFiMulti.h>
#include <ESP8266HTTPClient.h>
#include <WiFiClient.h>
ESP8266WiFiMulti WiFiMulti;

#if 0
#include <SPI.h>
#include <PN532_SPI.h>
#include "PN532.h"

PN532_SPI pn532spi(SPI, 10);
PN532 nfc(pn532spi);

/* When the number after #elif set as 1, it will be switch to HSU Mode*/
#elif 0
#include <PN532_HSU.h>
#include <PN532.h>

PN532_HSU pn532hsu(Serial1);
PN532 nfc(pn532hsu);

/* When the number after #if & #elif set as 0, it will be switch to I2C Mode*/
#else
#include <Wire.h>
#include <PN532_I2C.h>
#include <PN532.h>
#include <NfcAdapter.h>

PN532_I2C pn532i2c(Wire);
PN532 nfc(pn532i2c);
```

```

#endif
String data = "";

#define led 13
#define buzz 14
void setup(void)
{
  Serial.begin(115200);
  pinMode(led, OUTPUT);
  pinMode(buzz, OUTPUT);
  digitalWrite(led, LOW);
  digitalWrite(buzz, HIGH);
  nfc.begin();
  for (uint8_t t = 4; t > 0; t--)
  {
    Serial.printf("[SETUP] WAIT %d...\n", t);
    Serial.flush();
    delay(1000);
  }

  WiFi.mode(WIFI_STA);
  WiFiMulti.addAP("zoan", "s3m4rtzoan");

  uint32_t versiondata = nfc.getFirmwareVersion();
  if (!versiondata)
  {
    Serial.print("Didn't find PN53x board");
    while (1)
      ; // halt
  }

  // Got ok data, print it out!
  Serial.print("Found chip PN5");
  Serial.println((versiondata >> 24) & 0xFF, HEX);
  Serial.print("Firmware ver. ");
  Serial.print((versiondata >> 16) & 0xFF, DEC);

```

```

Serial.print('.');
Serial.println((versiondata >> 8) & 0xFF, DEC);

// Set the max number of retry attempts to read from a card
// This prevents us from waiting forever for a card, which is
// the default behaviour of the PN532.
nfc.setPassiveActivationRetries(0xFF);

// configure board to read RFID tags
nfc.SAMConfig();

Serial.println("Waiting for an ISO14443A card");
}

void loop(void)
{

if ((WiFiMulti.run() == WL_CONNECTED))
{
digitalWrite(led, HIGH);
boolean success;
uint8_t uid[] = {0, 0, 0, 0, 0, 0, 0}; // Buffer to store the returned UID
uint8_t uidLength; // Length of the UID (4 or 7 bytes depending on
ISO14443A card type)

// Wait for an ISO14443A type cards (Mifare, etc.). When one is found
// 'uid' will be populated with the UID, and uidLength will indicate
// if the uid is 4 bytes (Mifare Classic) or 7 bytes (Mifare Ultralight)
success = nfc.readPassiveTargetID(PN532_MIFARE_ISO14443A, &uid[0],
&uidLength);

if (success)
{
Serial.println("Found a card!");
Serial.print("UID Length: ");
Serial.print(uidLength, DEC);

```

```
Serial.println(" bytes");
```

```
Serial.print("UID Value: ");
```

```
digitalWrite(buzz, 0);
```

```
delay(100);
```

```
digitalWrite(buzz, 1);
```

```
delay(200);
```

```
digitalWrite(buzz, 0);
```

```
delay(100);
```

```
digitalWrite(buzz, 1);
```

```
delay(200);
```

```
for (uint8_t i = 0; i < uidLength; i++)
```

```
{
```

```
  data += " ";
```

```
  data += String(uid[i], DEC);
```

```
  Serial.print(" 0x");
```

```
  Serial.print(uid[i], HEX);
```

```
  delay(10);
```

```
}
```

```
Serial.println("");
```

```
Serial.println(data);
```

```
WiFiClient client;
```

```
HTTPClient http;
```

```
// 192.168.149.35
```

```
String url = "http://pprj.api88.link/tambahData.php?RFID=";
```

```
String UrlEncode= urlEncode(data);
```

```
url += UrlEncode;
```

```
url += "&api_key=50bfbf83";
```

```
Serial.println(url);
```

```
Serial.print("[HTTP] begin...\n");
```

```
if (http.begin(client, url))
```

```
{ // HTTP
```

```

Serial.print("[HTTP] GET...\n");
// start connection and send HTTP header
int httpCode = http.GET();

// httpCode will be negative on error
if (httpCode > 0)
{
  // HTTP header has been send and Server response header has been handled
  Serial.printf("[HTTP] GET... code: %d\n", httpCode);

  // file found at server
  if (httpCode == HTTP_CODE_OK || httpCode ==
      HTTP_CODE_MOVED_PERMANENTLY)
  {
    String payload = http.getString();
    Serial.println(payload);
    data = "";
  }
}
else
{
  Serial.printf("[HTTP] GET... failed, error: %s\n",
    http.errorToString(httpCode).c_str());
  data = "";
}

http.end();
}
else
{
  Serial.printf("[HTTP} Unable to connect\n");
}

// Wait 1 second before continuing
delay(1000);
} //sukses=====

```

```
else
{
// PN532 probably timed out waiting for a card
Serial.println("Timed out waiting for a card");
}

}

}
```

2. Lampiran Surat Penelitian



Jakarta, 18 Oktober 2022

Nomor : 81-089 /SP/KAPRODI-IF/FASILKOM/UEU/EXT/X/2022
Lampiran : -
Perihal : Surat Permohonan Izin Untuk Penelitian

Kepada Yth : Ketua Komite Etik Penelitian Kesehatan
RS.Kanker Dharmais
Jl. Letjen. S. Parman Kav. 84-86 Slipi
Jakarta

Dengan Hormat,

Sehubungan dengan mata kuliah Skripsi/Tugas Akhir yang memerlukan data dan informasi bagi mahasiswa Fakultas Ilmu Komputer Program Studi Teknik Informatika, bersama ini kami sampaikan bahwa mahasiswa kami bermaksud untuk mencari beberapa data / informasi. Adapun nama mahasiswa tersebut adalah :

NIM	Nama	No HP	Judul
20180801138	Aditya Nugraha	085172082442	Rancang bangun Sistem registrasi pemantauan Pasien Rawat jalan Menggunakan RFID berbasis Web

Kami berharap Bapak/Ibu memberikan izin pengambilan data untuk Mahasiswa tersebut.

Demikianlah atas perhatian dan kerjasamanya, kami ucapkan terima kasih

Hormat kami,



M. Bahrul Ulum, S.Kom, M.Kom
Kaprodi Teknik Informatika

C.c : 1. Arsip

Note : pada saat pengambilan data bisa mengikuti protokol covid (memakai masker, handsanitizer dan pengecekan suhu tubuh, dan sangat disarankan untuk mengambil data secara online).

3. Lampiran Balasan Surat Penelitian



KEMENTERIAN KESEHATAN REPUBLIK INDONESIA
DIREKTORAT JENDERAL PELAYANAN KESEHATAN

PUSAT KANKER NASIONAL
RUMAH SAKIT KANKER DHARMAIS
Jalan Letjen S. Parman Kav. 84-86, Slipi Jakarta Barat 11420
Telepon (021) 5681570

Home Page : www.dharmais.co.id Email : dharmais@dharmais.co.id



Nomor : LB.02.01/XXII/ 18548 /2022
Hal : Ijin Penelitian

18 Oktober 2022

Yth. Kaprodi Teknik Informatika
Universitas Esa Unggul

Menjawab surat Saudara tentang Permohonan izin Penelitian, maka dengan ini kami informasikan bahwa kami dapat menyetujui dan memberikan izin untuk melakukan kegiatan tersebut di Rumah Sakit Kanker Dharmais kepada :

Nama : Aditya Nugraha
Judul : "Rancang Bangun Sistem Registrasi Pemantauan Pasien Rawat Jalan Menggunakan RFID Berbasis Web"

Sebelum melaksanakan kegiatan kami mohon agar yang bersangkutan terlebih dahulu menghubungi Koordinator Pendidikan dan Penelitian Rumah Sakit Kanker Dharmais.

Demikian atas perhatiannya kami ucapkan terimakasih.

Direktur Utama,



dr. R. Soeko W. Nindito D., MARS.

Dokumen ini telah ditandatangani secara elektronik yang diterbitkan oleh Balai Sertifikasi Elektronik (BSrE), BSSN

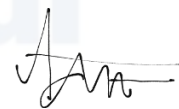
Lampiran Checklist Persyaratan Sidang Tugas Akhir

Nama : Aditya Nugraha
NIM : 20180801138
Program Studi : Teknik Informatika

No	Persyaratan	Keterangan
1	Sidang Proposal	Lulus
2	SKS LULUS + SKS TA (Minimal 144 SKS)	143 SKS
3	Semester (Minimal 2)	Semester 11
4	Tagihan	Tidak Ada
5	Sertifikat (Minimal 9 Keikutsertaan dan 1 Keahlian)	Sudah
6	Validasi Sertifikat	Sudah
7	Mengambil KRS Matakuliah TA	Sudah

Tangerang, 30 Januari 2024

Yang menyerahkan,



Aditya Nugraha

NIM : 20180801138