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LAMPIRAN

Lampiran 1. Rancangan Anggaran Biaya

| No. | Nama Barang | Jumlah | Harga Satuan | HargaTotal |
|-----|--|--------|--------------|------------|
| 1. | NodeMCU ESP8266 V3 CH340 Wireless Modul | 3 | Rp 34.500 | Rp 103.500 |
| 2. | RFID RC522 Module | 3 | Rp 15.400 | Rp 46.200 |
| 3. | NodeMCU development board ESP8266 | 3 | Rp 19.500 | Rp 58.500 |
| 4. | I2C LCD 16x2 | 3 | Rp 9.000 | Rp 27.000 |
| 5. | LCD 16x2 | 3 | Rp 23.000 | Rp 69.000 |
| 6. | Kartu RFID | 10 | Rp 1.800 | Rp 18.000 |
| 7. | Kabel Jumper 20 cm Female to Female (40 Pcs) | 1 | Rp 12.500 | Rp 12.500 |
| 8. | Tactile Push Button | 3 | Rp 3.500 | Rp 10.500 |
| 9. | Box Polos X5 | 3 | Rp 12.500 | Rp 37.500 |
| 10. | Kabel Data | 2 | Rp 27.000 | Rp 54.000 |
| 11. | Timah solder | 1 | Rp 20.000 | Rp 20.000 |
| 12. | Solder | 1 | Rp 35.000 | Rp 35.000 |
| 13. | Ongkir | 1 | Rp 50.000 | Rp 50.000 |
| 14. | Domain | 1 | Rp 15.000 | Rp 15.000 |
| 15. | Hostinger | 2 | Rp 11.770 | Rp 23.540 |

Total Harga : Rp 580.240

Lampiran 2. Program Software Mikrokontroler

```
#include <SPI.h>
#include <MFRC522.h>
#include <ESP8266HTTPClient.h>
#include <ESP8266WiFi.h>
#include <LiquidCrystal_I2C.h>

//Network SSID

int lcdColumns = 16;
int lcdRows = 2;
```

```

LiquidCrystal_I2C lcd(0x27, lcdColumns, lcdRows);
const char* ssid = "Nunu";
const char* password = "123456789";

//pengenal host (server) = IP Address komputer server
const char* host = "192.168.43.241";
#define BTN_PIN 15 //D1
//sediakan variabel untuk RFID
#define SDA_PIN 2 //D4
#define RST_PIN 0 //D3

HTTPClient httpLED;
HTTPClient httpUbahLED;
MFRC522 mfrc522(SDA_PIN, RST_PIN);

void setup() {
  Serial.begin(9600);
  pinMode(LED,OUTPUT);
  lcd.init();
  lcd.backlight();
  //setting koneksi wifi
  WiFi.hostname("NodeMCU");
  WiFi.begin(ssid, password);

  //cek koneksi wifi
  while(WiFi.status() != WL_CONNECTED)
  {
    //progress sedang mencari WiFi
    delay(500);
    Serial.print(".");
  }
}

```

```

}

Serial.println("Wifi Connected");
Serial.println("IP Address : ");
Serial.println(WiFi.localIP());

pinMode(BTN_PIN, INPUT);

SPI.begin();
mfc522.PCD_Init();
Serial.println("Dekatkan Kartu RFID Anda ke Reader");
Serial.println();
}

void loop() {
  httpA.begin("http://192.168.43.241/skripsi_rfid2/status_led.php?ref=antena");
  httpA.GET();
  String statled = httpA.getString();
  int showA = atoi(statled.c_str());
  Serial.println(showA);
  if(showA == 2){
    lcd.print("Berhasil");

httpUbahA.begin("http://192.168.43.241/skripsi_rfid2/status_led_ubah.php?ref=antena");
    httpUbahA.GET();
    String ubah = httpUbahA.getString();
    Serial.println(ubah);
    httpUbahA.end();
  }
  else if(showA == 1){

```

```

    }
    httpA.end();

    lcd.setCursor(0, 0);
    lcd.print("Dekatkan RFID");
    delay(1000);
    lcd.clear();

    if(digitalRead(BTN_PIN)==1) //ditekan
    //digitalWrite(LED,HIGH);
    {

        Serial.println("OK");
        while(digitalRead(BTN_PIN)==1) ; //menahan proses sampai tombol dilepas
        //ubah mode absensi di aplikasi web
        String getData, Link ;
        HTTPClient http ;
        //Get Data
        Link = "http://192.168.43.241/skripsi_rfid2/ubahmode_antena.php";
        http.begin(Link);

        int httpCode = http.GET();
        String payload = http.getString();

        Serial.println(payload);
        http.end();
    }

    if(! mfrc522.PICC_IsNewCardPresent())

```

```

    return ;

if(! mfrc522.PICC_ReadCardSerial())
    return ;

String IDTAG = "";
for(byte i=0; i<mfrc522.uid.size; i++)
{
    IDTAG += mfrc522.uid.uidByte[i];
}

//kirim nomor kartu RFID untuk disimpan ke tabel tmprfid
WiFiClient client;
const int httpPort = 80;
if(!client.connect(host, httpPort))
{
    Serial.println("Connection Failed");
    lcd.print("Tidak Konek");
}

String Link;
HTTPClient http;
Link = "http://192.168.43.241/skripsi_rfid2/kirimkartu_antena.php?no_id=" + IDTAG;

lcd.setCursor(0, 0);
lcd.print("BERHASIL");
delay(1000);
lcd.clear();
http.begin(Link);

```



```

int httpCode = http.GET();
String payload = http.getString();
Serial.println(payload);
http.end();

delay(2000);
}

```

Lampiran 2. Program Software Website

1. Program Halaman Login

```

<?php include "header.php"; ?>
<title>Skripsi</title>
</head>
<body>

    <div class="kotak">
        <center><h1 style="margin-top:2%;text-align: center;">Sistem Presensi
Mahasiswa</h1></center>
        <div class="container">
            <div class="row">
                <div class="col-sm-6" style="margin:0 auto;">
                    <?php if(isset($_GET['pesan'])){
                        if($_GET['pesan']=="gagal"){?>
                            <div class="alert alert-danger" role="alert">Username dan Password
tidak sesuai !</div>
                        <?php }
                    }?>
                    <div class="card">
                        <div class="card-body">

                            <form action="cek_login.php" method="post">

```

```

        <div class="mb-3">
            <label for="exampleDropdownFormEmail2" class="form-
label">Username</label>
            <input type="text" name="username" class="form-control"
id="exampleDropdownFormEmail2" placeholder="Username" required="required">
        </div>
        <div class="mb-3">
            <label for="exampleDropdownFormPassword2" class="form-
label">Password</label>
            <input type="password" name="password" class="form-control"
id="exampleDropdownFormPassword2" placeholder="Password" required="required">
        </div>

        <button type="submit" class="btn btn-primary">Login</button>

        <br/>
        <br/>
    </form>

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

<style>
.kotak {
    width: 70%;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
}

```

```
</style>
```

```
</body>
```

```
</html>
```

2. Program Halaman Dashboard

```
<?php
```

```
session_start();
```

```
?>
```

```
    <?php include "header.php"; ?>
```

```
    <title>Menu Utama</title>
```

```
</head>
```

```
<body>
```

```
    <?php include "menu.php"; ?>
```

```
    <!-- isi -->
```

```
    <div class="container-fluid" style="padding-top: 10%; text-align: center">
```

```
        <h1>
```

```
            Selamat Datang, <?php echo $_SESSION ['username'] ?> <br>
```

```
            SISTEM ABSENSI MAHASISWA<br>
```

```
            BERBASIS SMART HYBRID READER
```

```
        </h1>
```

```
        <a class="btn btn-primary" href="admin_antena.php">Lab Antena</a>
```

```
        <a class="btn btn-danger" href="admin_telkom.php">Lab Telkom</a>
```

```
        <a class="btn btn-warning" href="admin_telmat.php">Lab Telmat</a>
```

```
    </div>
```

```
</body>
```

```
</html>
```

3. Program Halaman Admin

```

<?php
session_start();
?>

<?php include "header.php"; ?>
<title>Lab Antena</title>
</head>
<body>
    <?php include "menu.php"; ?>

    <!-- isi -->
    <div class="container-fluid" style="padding-top: 10%; text-align: center">
        <h1>
            Sistem Presensi <br>
            Laboratorium Antena dan Propagasi
        </h1>

        <a class="btn btn-primary" href="admin_data_antena.php">Data
Mahasiswa</a>
        <a class="btn btn-danger" href="admin_rekap_antena.php">Rekapitulasi
Absensi</a>
        <a class="btn btn-warning" href="admin_scan_antena.php">Scan Kartu</a>
    </div>

</body>
</html>

```

4. Program Halaman Dosen

```

<?php
session_start();
?>

<?php include "header.php"; ?>
<title>Menu Utama</title>

```

```

</head>
<body>
    <?php include "menu_dosen.php"; ?>

    <!-- isi -->
    <div class="container-fluid" style="padding-top: 10%; text-align: center">
        <h1>
            Sistem Presensi <br>
            Laboratorium Antena dan Propagasi Gelombang
        </h1>

        <a class="btn btn-primary" href="dosen_data_antena.php">Data
Mahasiswa</a>
        <a class="btn btn-danger" href="dosen_rekap_antena.php">Rekapitulasi
Absensi</a>
    </div>

</body>
</html>

```

5. Halaman Mahasiswa

```

<?php
session_start();
?>

<?php include "header.php"; ?>
<title>Menu Utama</title>
</head>
<body>
    <?php include "menu_mhs.php"; ?>

    <!-- isi -->
    <div class="container-fluid" style="padding-top: 10%; text-align: center">
        <h1>

```

```

        Sistem Presensi <br>
        Laboratorium Antena dan Propagasi Gelombang
    </h1>

    <a class="btn btn-primary" href="absen_antena.php">Absensi
Mahasiswa</a>
    <a class="btn btn-danger" href="data_antena.php">Data Mahasiswa</a>
    <a class="btn btn-warning" href="rekap_antena.php">Rekapitulasi
Absensi</a>
    </div>

</body>
</html>

```

6. Program Baca Kartu

```

<?php
    include "connect.php";
    //baca tabel status untuk mode absensi
    $sql = mysqli_query($konek, "SELECT * FROM status_antena");
    $data = mysqli_fetch_array($sql);
    $mode_absen = $data['mode'];

    //uji mode absen
    $mode = "";
    if($mode_absen==1)
        $mode = "Masuk";
    else if($mode_absen==2)
        $mode = "Keluar";

    //baca tabel tmprfid
    $baca_kartu = mysqli_query($konek, "SELECT * FROM tmprfid");
    $data_kartu = mysqli_fetch_array($baca_kartu);
    $no_id = $data_kartu['no_id'] ?? null;
?>

```

```

<div class="container-fluid" style="text-align: center;">
    <?php if($no_id=="") { ?>

        <h3>Absen : <?php echo $mode; ?> </h3>
        <h3>Silahkan Tempelkan Kartu RFID Anda</h3>
         <br>
        

    <?php } else {
        //cek nomor kartu RFID tersebut apakah terdaftar di tabel mahasiswa
        $cari_mahasiswa = mysqli_query($koneksi, "SELECT * FROM dbmhs
WHERE no_id='$no_id'");
        $jumlah_data = mysqli_num_rows($cari_mahasiswa);

        if($jumlah_data==0)
            echo "<h1>Maaf! Kartu Tidak Dikenali</h1>";
        else
        {
            //ambil nama mahasiswa
            $data_mahasiswa = mysqli_fetch_array($cari_mahasiswa);
            $nama = $data_mahasiswa['nama'];
            $nim = $data_mahasiswa['nim'];

            //tanggal dan jam hari ini
            date_default_timezone_set('Asia/Makassar');
            $tanggal = date('Y-m-d');
            $jam = date('H:i:s');

            //cek di tabel rekap, apakah nomor kartu tersebut sudah ada sesuai
            tanggal saat ini. Apabila belum ada, maka dianggap absen masuk, tapi kalau sudah ada,
            maka update data sesuai mode absensi
            $cari_absen = mysqli_query($koneksi, "SELECT * FROM

```

```

rekap_antena WHERE no_id='$no_id' AND Tanggal='$tanggal');
    //hitung jumlah datanya
    $jumlah_absen = mysqli_num_rows($cari_absen);

    if($mode_absen == 1){
        if($jumlah_absen > 0)
        {
            echo "<h1>Selamat Datang <br> $nama</h1>";
            mysqli_query($koneksi, "UPDATE rekap_antena SET
Jam_Masuk='$jam' WHERE no_id='$no_id' AND Tanggal='$tanggal')");
        }

        else
        {
            echo "<h1>Selamat Datang <br> $nama</h1>";
            mysqli_query($koneksi, "INSERT INTO
rekap_antena(no_id, nama, NIM, Tanggal, Jam_Masuk)VALUES('$no_id', '$nama', '$nim',
'$tanggal', '$jam')");
        }
    }

    if($mode_absen == 2){
        if($jumlah_absen > 0)
        {
            echo "<h1>Selamat Jalan <br> $nama</h1>";
            mysqli_query($koneksi, "UPDATE rekap_antena SET
Jam_Keluar='$jam' WHERE no_id='$no_id' AND Tanggal='$tanggal')");
        }

        else
        {
            echo "<h1>Selamat Jalan <br> $nama</h1>";
            mysqli_query($koneksi, "INSERT INTO
rekap_antena(no_id, nama, NIM, Tanggal, Jam_Masuk, Jam_Keluar) VALUES

```



```

($no_id', $nama', '$nim', '$tanggal', 'null', '$jam');
        }
    }

}

//kosongkan tabel tmprfid
mysqli_query($konek, "DELETE FROM tmprfid");
} ?>

</div>

```

7. Program Data Mahasiswa

```

<?php include "header.php"; ?>
<title>Data Mahasiswa</title>
</head>
<body>

<?php include "menu.php"; ?>

<div class="container">
    <h3 style="margin-top:2%">Data Mahasiswa</h3>

    <div class="row">
        <div class="col-md-3">
            <form action="" method="post">
                <div class="input-group mb-3">
                    <input type="text" name="keyword" class="form-control"
placeholder="Masukkan kata kunci">
                    <button type="submit" name="cari" class="btn btn-outline-secondary"
id="button-addon2"><i class="fas fa-search"></i></button>

```

```

        </div>
</form>
</div>
<div class="col-md-5">
    <!-- tombol tambah data mahasiswa -->
    <a href="admin_tambah_antena.php"> <button class="btn btn-primary"><i
class="fas fa-user-plus"></i> Mahasiswa</button></a>
    </div>
<br/><br/>
<div class="table-responsive-sm">
<table class="table table-bordered">
<thead>
<tr style="background-color: grey; color: white;text-align: center;">
<th scope="col">No.</th>
<th scope="col">No.Kartu</th>
<th scope="col">Nama</th>
<th scope="col">NIM</th>
<th scope="col">Program Studi</th>
<th scope="col">Foto</th>
<th scope="col">Action</th>
</tr>
</thead>
<tbody>

<?php
    //koneksi ke database
    include "connect.php";

    $no = 1;
    // Memmbuat Pagination
    $banyakdataperhal = 5;
    $banyakdata = mysqli_num_rows(mysqli_query($konek, "SELECT *
FROM dbmhs"));
    $banyakhal = ceil($banyakdata / $banyakdataperhal); //ceil berfungsi untuk

```

pembagian bulat

```
if(isset($_GET['halaman'])) {  
    $shalamanaktif = $_GET['halaman'];  
} else {  
    $shalamanaktif = 1;  
}
```

```
$dataawal = ($shalamanaktif * $banyakdataperhal) - $banyakdataperhal;
```

```
$stampil = mysqli_query($koneksi, "SELECT * FROM dbmhs order by no  
desc LIMIT $dataawal, $banyakdataperhal");
```

```
//Fitur Search
```

```
if(isset($_POST['cari'])){  
    $keyword = $_POST['keyword'];  
    $stampil = mysqli_query($koneksi, "SELECT * FROM dbmhs WHERE  
no_id LIKE '%$keyword%' OR  
nama LIKE '%$keyword%' OR  
nim LIKE '%$keyword%' OR  
prodi LIKE '%$keyword%'  
LIMIT $dataawal, $banyakdataperhal");
```

```
} else {  
    $stampil = mysqli_query($koneksi, "SELECT * FROM dbmhs LIMIT  
$dataawal, $banyakdataperhal");  
}
```

```
//perulangan
```

```
while($data = mysqli_fetch_array($stampil)) :
```

```
?>
```

```
<tr><!-- awal kode foto
```

```

= -->
        <th scope="row" style="text-align: center;vertical-align: middle;"> <?php echo
$no++; ?> </th>
        <td style="text-align: center;vertical-align: middle;"> <?php echo
$data['no_id']; ?> </td>
        <td style="vertical-align: middle;"><?php echo $data['nama']; ?> </td>
        <td style="text-align: center;vertical-align: middle;"> <?php echo $data['nim'];
?> </td>
        <td style="text-align: center;width:16%;vertical-align: middle;"> <?php echo
$data['prodi']; ?> </td>
        <td style="text-align: center;"></td>
        <td style="text-align: center;width:10%;vertical-align: middle;">
                <a class="btn btn-success btn-sm" href="admin_edit_antena.php?id=<?php
echo $data['no']; ?>"> <i class="fas fa-user-edit"></i></a> <a class="btn btn-warning
btn-sm" href="admin_hapus_antena.php?ref=data&id=<?php echo $data['no'];
?>&img=<?php echo $data['gambar'];?>"> <i class="fas fa-trash-alt"></i></a> <!-- akhir
kode foto ===== -->
        </td>
</tr>
<?php endwhile; //penutup perulangan while ?>
</tbody>
</table></div>

<nav>
<ul class="pagination justify-content-center">
<!-- tombol sebelumnya -->
<?php if($halamanaktif <= 1) { ?>
        <li class="page-item disabled"><a href="?halaman=<?php echo
$data['halamanaktif']; ?>-1;" class="page-link">Sebelumnya</a></li>
        <?php } else { ?>
                <li class="page-item"><a href="?halaman=<?php echo $halamanaktif-1; ?>"
class="page-link">Sebelumnya</a></li>
        <?php } ?>

```

```

<!-- Akhir tombol sebelumnya -->

<?php for ($i = 1; $i <= $banyakhal; $i++) { ?>
    <li class="page-item"><a href="?halaman=<?php echo $i; ?>" class="page-
link"><?php echo $i; ?></a></li>
    <?php } ?>

<!-- tombol selanjutnya -->
<?php if($shalamanaktif >= $banyakhal) { ?>
    <li class="page-item disabled"><a href="?halaman=<?php echo
$shalamanaktif+1; ?>" class="page-link">Selanjutnya</a></li>
    <?php } else { ?>
        <li class="page-item"><a href="?halaman=<?php echo $shalamanaktif+1; ?>"
class="page-link">Selanjutnya</a></li>
        <?php } ?>
    <!-- Akhir tombol selanjutnya -->
    <ul/>
</nav>
</div>
<a class="btn btn-danger btn-sm" href="admin_antena.php">Kembali</a>
</div>
</body>
</html>

```

8. Program Tambah Mahasiswa

```

<!-- proses penyimpanan -->

<?php
    include "connect.php";
    include "header.php";

    //jika tombol simpan diklik
    if(isset($_POST['btnSimpan']))
    {

```

```

        //baca isi inputan form
        $no_id = $_POST['no_id'];
        $nama = $_POST['nama'];
        $nim = $_POST['nim'];
        $prodi = $_POST['prodi'];

        // awal kode foto
=====
=====

        //gambar
        $gambar = $_FILES['gambar']['name'];
        $x = explode('.', $gambar);
        $ekstensi = strtolower(end($x));
        $file_tmp = $_FILES['gambar']['tmp_name'];

        move_uploaded_file($file_tmp, 'gambar/.$gambar);
        //simpan ke tabel karyawan
        $simpan = mysqli_query($koneksi, "INSERT INTO dbmhs(no_id, nama, nim,
prodi, gambar) VALUES ('$no_id', '$nama', '$nim', '$prodi', '$gambar')");
        // akhir kode foto
=====
=====

        //jika berhasil tersimpan, tampilkan pesan Tersimpan,
        //kembali ke data karyawan
        if($simpan)
        {
            echo "
                <script>
                    alert('Tersimpan');
                    location.replace('admin_data_antena.php');
                </script>
            ";
        }

```

```

        else
        {
            echo "
                <script>
                    alert('Gagal Tersimpan');
                    location.replace('admin_data_antena.php');
                </script>
            ";
        }
    }

    //kosongkan tabel tmprfid
    mysqli_query($konek, "delete from tmprfid");
?>

```

```

        <title>Tambah Data Mahasiswa</title>
<!-- pembacaan no kartu otomatis -->
<script type="text/javascript">
    $(document).ready(function(){
        setInterval(function(){
            $("#norfid").load('nokartu_antena.php')
        }, 0);
    });
</script>
</head>
<body>

```

```

    <?php include "menu.php"; ?>

```

```

    <!-- isi -->
    <div class="container">
    <div class="row">
    <div class="col-sm-9" style="margin:0 auto;">

```

```

<h3 style="margin-top:2%;text-align: center;">Tambah Data Mahasiswa</h3>
<div class="card">
  <div class="card-body">
    <!-- form input -->
    <form method="POST" enctype="multipart/form-data"> <!-- kode foto
===== -->
      <div id="norfid"></div>
      <br>
      <div class="form-group">
        <label>Nama Mahasiswa</label>
        <input type="text" name="nama" id="nama"
placeholder="Input Nama Mahasiswa" class="form-control">
      </div><br>
      <div class="form-group">
        <label>NIM</label>
        <input type="text" name="nim" id="nim" class="form-control"
placeholder="Input NIM">
      </div><br>
      <div class="form-group">
        <label>Program Studi</label>
        <select class="form-control" name="prodi" id="prodi">
          <option>Input Program Studi</option>
          <option value="S1">S1</option>
          <option value="S2">S2</option>
          <option value="S3">S3</option>
        </select>
      </div>
      <br>
      <div class="form-group"> <!-- awal kode foto
===== -->
        <input type="file" name="gambar" class="file">
        <label>Foto</label>
        <div class="input-group my-3">
          <input type="text" class="form-control" disabled placeholder="Upload

```



```

Foto" id="file">
    <div class="input-group-append">
        <button type="button" id="pilih_gambar" class="browse btn btn-dark">Pilih
Foto</button>
    </div>
</div>
<center><label>Preview Foto</label><br></center>
</div> <!-- akhir kode foto
===== -->
<br>
    <button class="btn btn-primary" name="btnSimpan"
id="btnSimpan">Simpan</button>
    <a class="btn btn-danger" href="admin_data_antena.php">Batal</a>
</form>
</form>
</div>
</div>
</div>
</div>
</div><br><br>
</body>
<!-- awal kode foto ===== -->
<style>
    .file {
        visibility: hidden;
        position: absolute;
    }
</style>
<script>
    $(document).on("click", "#pilih_gambar", function() {
        var file = $(this).parents().find(".file");
        file.trigger("click");
    });

```

```

$(input[type="file"]).change(function(e) {
var fileName = e.target.files[0].name;
$("#file").val(fileName);

var reader = new FileReader();
reader.onload = function(e) {
    // get loaded data and render thumbnail.
    document.getElementById("preview").src = e.target.result;
};
// read the image file as a data URL.
reader.readAsDataURL(this.files[0]);
});
</script>
<!-- akhir kode foto ===== -->
</html>

```

9. Program Rekapitulasi Mahasiswa

```

<?php include "header.php"; ?>

<title>Rekapitulasi Absensi</title>

</head>

<body>

    <?php include "menu.php"; ?>

    <!-- isi -->

    <div class="container">

        <div class="row">

            <h3 style="margin-top:2%">Rekap Absensi</h3>

```

```

<div class="col-md-3">

    <form method="post" action="absen_cetak_antena.php">

        <a class="btn btn-danger btn-sm"
href="absen_cetak_antena.php">Kembali</a>

        <button type="submit" name="antena" class="btn btn-danger btn-
sm"><i class="fas fa-file-download"></i> Rekap</button></form>

</div><br><br>

<div class="table-responsive-sm">

<table class="table table-bordered">

    <thead>

        <tr style="background-color: grey; color:white; text-align:
center">

            <th scope="col">No.</th>

            <th scope="col">Nama</th>

            <th scope="col">NIM</th>

            <th scope="col">Tanggal</th>

            <th scope="col">Jam Masuk</th>

            <th scope="col">Jam Keluar</th>

            <th scope="col">Action</th>

        </tr>

    </thead>

    <tbody>

        <?php

```

```

include "connect.php";

//baca tabel absensi dan relasikan dengan tabel
mahasiswa berdasarkan nomor kartu RFID untuk tanggal hari ini

//baca tanggal saat ini

date_default_timezone_set('Asia/Makassar');

$tanggal = date('Y-m-d');

//filter absensi berdasarkan tanggal saat ini

$sql = mysqli_query($konek, "SELECT b.nama,
b.NIM, a.Tanggal, a.Jam_Masuk, a.Jam_Keluar FROM rekap_antena a, dbmhs
b WHERE a.no_id=b.no_id and a.Tanggal='$tanggal'");

$no = 0;

while($data = mysqli_fetch_array($sql))
{
    $no++;
}
?>

<tr>

<td style="text-align: center"> <?php echo $no; ?>

</td>

<td> <?php echo $data['nama']; ?> </td>

<td style="text-align: center"> <?php echo

```

```

$data['NIM']; ?> </td>

                <td style="text-align: center"> <?php echo
$data['Tanggal']; ?> </td>

                <td style="text-align: center"> <?php echo
$data['Jam_Masuk']; ?> </td>

                <td style="text-align: center"> <?php echo
$data['Jam_Keluar']; ?> </td>

                <td style="text-align: center">

                    <a class="btn btn-warning btn-sm"
href="admin_hapus_antena.php?ref=rekap&nama=<?=$data['nama']?>&tangg
al=<?=$data['Tanggal']?>" onclick="return confirm('Apakah yakin ingin
menghapus data ini?')"> <i class="fas fa-trash-alt"></i> </a> <!-- kode button
hapus ===== -->

                </td>

            </tr>

            <?php } ?>

        </tbody>

    </table>

</div>

</div>

</div>

</body>

</html>

```

10. Program Cetak

```
<?php
```

```

// memanggil library FPDF

require('fpdf/fpdf.php');

// membuat objek baru bernama pdf dari class FPDF

$pdf = new FPDF('P','mm','A4');

// membuat halaman baru

$pdf->AddPage();

// setting jenis font yang akan digunakan

$pdf->SetFont('Arial','B',16);

// mencetak Judul

$pdf->Cell(190,7,'REKAPITULASI ABSENSI MAHASISWA',0,1,'C');

$pdf->SetFont('Arial','B',16);

$pdf->Cell(190,7,'Lab. Antena dan Propagasi',0,1,'C');

$pdf->Ln();

//tanggal

$pdf->SetFont('Arial','',10);

$pdf->Cell(8,6,'Gowa,',0,0,'C');

$pdf->Write(6, " " . date('d-m-Y'));

$pdf->Ln();

```

```

//Judul Tabel

$pdf->SetFont('Arial','B',10);

$pdf->Cell(8,6,'No.',1,0,'C');

$pdf->Cell(50,6,'Nama',1,0,'C');

$pdf->Cell(40,6,'NIM',1,0,'C');

$pdf->Cell(32,6,'Tanggal',1,0,'C');

$pdf->Cell(32,6,'Jam Masuk',1,0,'C');

$pdf->Cell(32,6,'Jam Keluar',1,1,'C');

$pdf->SetFont('Arial','B',10);

include 'connect.php';

$sql = mysqli_query($konek, "SELECT * FROM rekap_antena ORDER BY nama
DESC");

$no=1;

While($row = mysqli_fetch_array($sql)){

    $pdf->SetFont('Arial','',11);

    $pdf->Cell(8,6,$no,1,0,'C');

    $pdf->Cell(50,6,$row['nama'],1,0,'L');

    $pdf->Cell(40,6,$row['NIM'],1,0,'C');

    $pdf->Cell(32,6,$row['Tanggal'],1,0,'C');

```

```

$pdf->Cell(32,6,$row['Jam_Masuk'],1,0,'C');

$pdf->Cell(32,6,$row['Jam_Keluar'],1,1,'C');

$no++;

}

$pdf->Output();

?>

```

11. Program Absen Mahasiswa

```

<!-- proses penyimpanan -->

<?php

    include "connect.php";

    include "header.php";

    $mode          = mysqli_query($koneksi, "SELECT * FROM
    status_antena");

    $data_mode     = mysqli_fetch_array($mode);

    $mode_absen = $data_mode['mode'];

    //jika tombol simpan diklik

    if(isset($_POST['btnAbsen']))

    {

        //baca isi inputan form

        $no_id = $_POST['no_id'];

        $nama = $_POST['nama'];

```



```

$nim = $_POST['nim'];

//tanggal dan jam hari ini

date_default_timezone_set('Asia/Makassar') ;

$tanggal = date('Y-m-d');

$jam    = date('H:i:s');

$cek    = mysqli_query($koneksi, "SELECT * FROM rekap_antena
WHERE no_id='$no_id' AND Tanggal='$tanggal'");

//simpan ke tabel mahasiswa

if($mode_absen == 1){

    if(mysqli_num_rows($cek) > 0){

        $simpan = mysqli_query($koneksi, "UPDATE rekap_antena
SET Jam_Masuk='$jam' WHERE no_id='$no_id' AND Tanggal='$tanggal'");

    }

    else{

        $simpan = mysqli_query($koneksi, "INSERT INTO
rekap_antena(no_id, nama, NIM, Tanggal, Jam_Masuk, Jam_Keluar)
VALUES ('$no_id','$nama', '$nim', '$tanggal', '$jam', 'null')");

    }

}

if($mode_absen == 2){

    if(mysqli_num_rows($cek) > 0){

        $simpan = mysqli_query($koneksi, "UPDATE rekap_antena
SET Jam_Keluar='$jam' WHERE no_id='$no_id' AND Tanggal='$tanggal'");

```

```

    }

    else{

        $simpan = mysqli_query($koneksi, "INSERT INTO
rekap_antena(no_id, nama, NIM, Tanggal, Jam_Masuk, Jam_Keluar)
VALUES ('$no_id','$nama', '$nim', '$tanggal', 'null', '$jam')");

    }

}

//jika berhasil tersimpan, tampilkan pesan Tersimpan,

//kembali ke data karyawan

if($simpan)

{

    mysqli_query($koneksi, "UPDATE status_led SET antenna=2
WHERE id=1");

    echo "

        <script>

            alert('Ter kirim');

            location.replace('rekap_antena.php');

        </script>

";

}

else

{

    echo "

```

```

        <script>
            alert('Gagal Terkirim');

            location.replace('absen_antena.php');

        </script>

        ";

    }

}

?>

<script type="text/javascript">

    $(document).ready(function() {

        setInterval(function(){

            $("#statusled").load('status_led2.php')

        }, 2000);

    });

</script>

<title>Form Absen Mahasiswa</title>

</head>

<body>

    <?php include "menu_mhs.php"; ?>

    <!-- isi -->

    <div class="container">

        <div id="statusled"></div>

```

```

<h3 style="margin-top:2%;text-align: center;">

    <?php if($mode_absen == 1){ ?>

        Form Absen Mahasiswa (Jam Masuk)

    <?php } ?>

    <?php if($mode_absen == 2){ ?>

        Form Absen Mahasiswa (Jam Keluar)

    <?php } ?>

</h3>

<div class="row">

<div class="col-sm-9" style="margin:0 auto;">

    <div class="card">

        <div class="card-body">

            <form action="<?php echo $_SERVER["PHP_SELF"];?>" method="get">

                <label for="sel1">Pilih Mahasiswa</label>

<div class="input-group mb-3">

                <select class="form-control" name="no">

                    <?php

                        include "connect.php";

                        //Perintah sql untuk menampilkan semua data pada tabel jurusan

                        $sql="select no,nama,nim from dbmhs";

```

```

$hasil=mysqli_query($koneksi,$sql);

$no=0;

while ($data = mysqli_fetch_array($hasil)) {

    $no++;

    $ket="";

    if (isset($_GET['no'])) {

        $nor = trim($_GET['no']);

        if ($nor==$data['no'])

        {

            $ket="selected";

        }

    }

    ?>

    <?php echo $ket; ?> value="<?php echo $data['no'];?>"><?php
echo $data['nim'];?> - <?php echo $data['nama'];?></option>

    <?php

}

?>

</select>

    <input type="submit" class="btn btn-primary" value="Pilih">

</div>

```

```
</form>
```

```
<?php
```

```
    if (isset($_GET['no'])) {
```

```
        $nom=$_GET['no'];
```

```
        //mysqli_query($koneksi, "UPDATE status_led SET antena=1 WHERE  
id=1");
```

```
        $sql = "SELECT * from dbmhs where no=$nom";
```

```
        $hasil = mysqli_query($koneksi,$sql);
```

```
        $data = mysqli_fetch_assoc($hasil);
```

```
    ?>
```

```
<!-- form input -->
```

```
<form method="POST">
```

```
    <div class="form-group">
```

```
        <label>Nama Mahasiswa</label>
```

```
        <input type="text" name="nama" id="nama" value="<?php  
echo $data['nama']; ?>" placeholder="Input Nama Mahasiswa" class="form-  
control">
```

```
    </div>
```

```
    <br>
```

```
    <div class="form-group">
```

```

        <label>NIM</label>

        <input type="text" name="nim" id="nim" value="<?php echo $data['nim'];
?>" class="form-control" placeholder="Input NIM">

    </div>

    <br/>

    <div class="form-group">

        <input type="text" name="no_id" id="no_id" value="<?php echo
$data['no_id']; ?>" class="form-control" placeholder="Nomor Kartu" hidden>

    </div>

        <button class="btn btn-primary" name="btnAbsen"
id="btnAbsen">Submit</button>      <a class="btn btn-danger"
href="lab_antena.php">Kembali</a>

</form>

<?php } else { ?>

<form method="POST">

    <div class="form-group">

        <label>Nama Mahasiswa</label>

        <input type="text" name="nama" id="nama"
placeholder="Input Nama Mahasiswa" class="form-control" disabled>

    </div><br>

    <div class="form-group">

        <label>NIM</label>

        <input type="text" name="nim" id="nim" class="form-control"

```

```
placeholder="Input NIM" disabled>
```

```
</div>
```

```
<br/>
```

```
        <button class="btn btn-primary" name="btnAbsen" id="btnAbsen"  
disabled>Submit</button>    <a class="btn btn-danger"  
href="lab_antena.php">Kembali</a>
```

```
</form>
```

```
<?php } ?>
```

```
    </div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```