

## 4. IMPLEMENTASI SISTEM

Pada bab ini membahas bagaimana implementasi dari teori dan desain sistem yang telah dibahas pada bab-bab sebelumnya. Segmen program akan disusun menyesuaikan dengan alur aplikasi yang telah disusun pada bab sebelumnya.

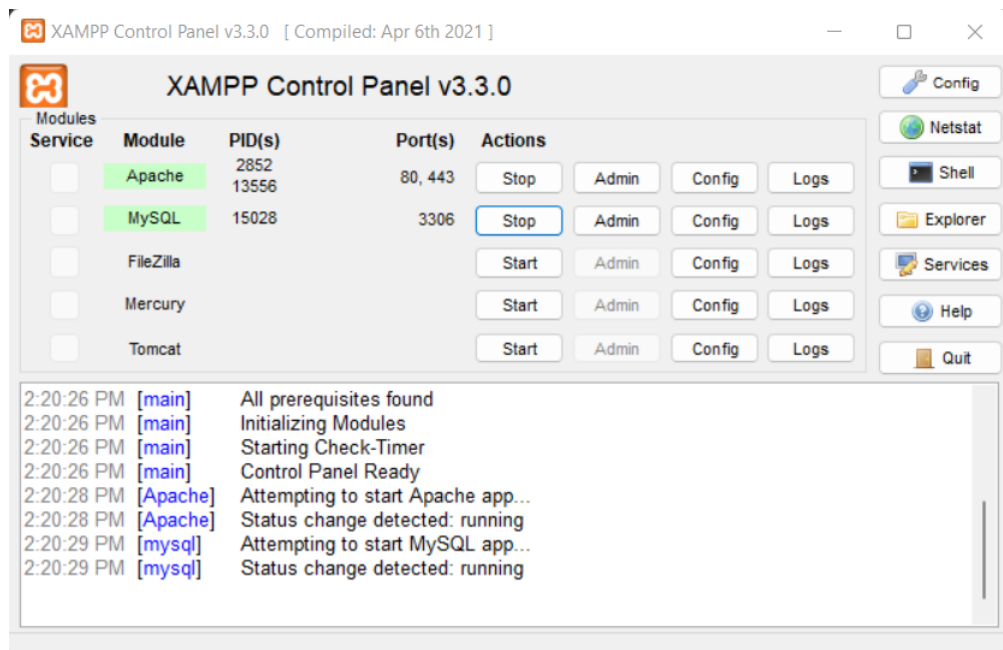
### 4.1 Implementasi Perangkat Lunak yang Digunakan

*Database* yang digunakan untuk penyimpanan data adalah *MySQL*. Kemudian bahasa pemrograman yang digunakan adalah *PHP*, *JavaScript*, *JSON* dan menggunakan *bootstrap* sebagai *framework* untuk *HTML* dan *CSS*.

### 4.2 Instalasi Aplikasi Pendukung

#### 4.2.1 Instalasi XAMPP

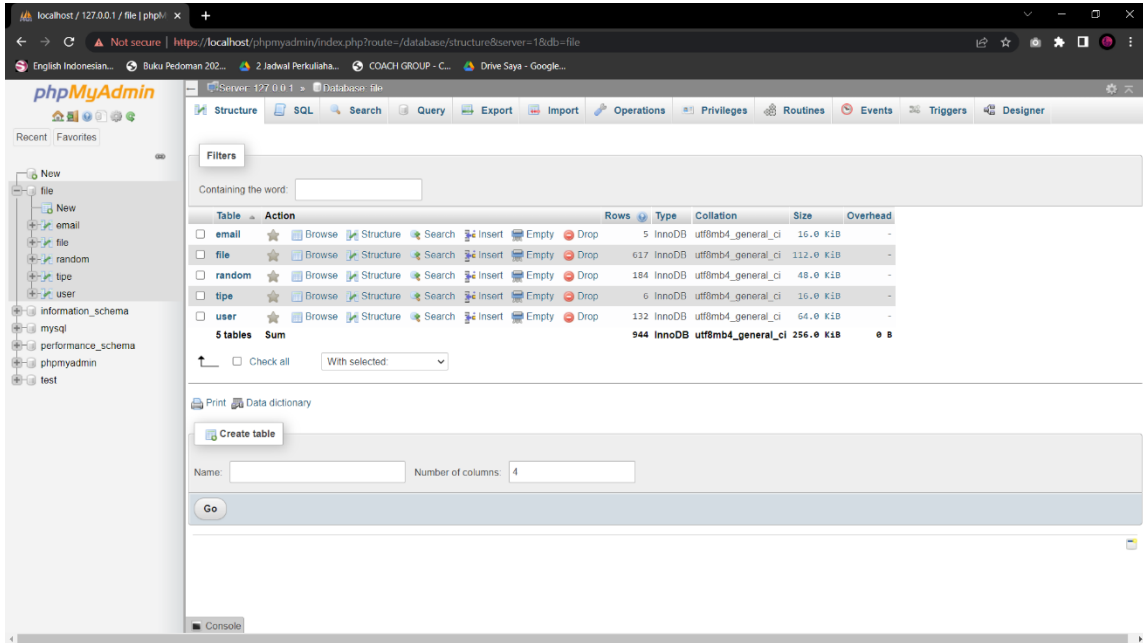
Instalasi *XAMPP* dilakukan karena digunakan sebagai penghubung utama aplikasi dengan *database* yang menggunakan *server localhost*.



Gambar 4.1 Instalasi XAMPP

#### 4.2.2 Instalasi *phpMyAdmin*

Instalasi *MySQL* dilakukan untuk digunakan sebagai *database* utama yang digunakan dalam *website* ini.



Gambar 4.2 Instalasi phpMyAdmin

### 4.3 Implementasi Sistem

#### 4.3.1 Koneksi Database

Berikut adalah proses koneksi antara *phpMyAdmin* dan *XAMPP* sehingga *website* dapat dijalankan dengan *localhost*.

Segmen Program 4.1 Koneksi Database

```

<?php

    session_start();

    $host    = 'localhost';

    $user    = 'root';

    $password = '';

    $database = 'file';

    $link = mysqli_connect($host, $user, $password);

    $conn = mysqli_select_db($link, $database) or
die(mysqli_error($link));

?>

```

#### 4.3.2 Implementasi Fitur Registrasi

Berikut adalah proses registrasi Mahasiswa atau alumni UKP dengan mengisi data-data dan

disimpan ke dalam *database*. Kemudian, fungsi *generateRandomString* berguna untuk membuat kode dengan *char random* dan dikirimkan ke *email* petra yang sudah diisi Mahasiswa saat registrasi. *Email* pengirim sementara adalah *anggurjeruk123@bananalechy.xyz*. *Char random* ini menjadi *char* unik yang menjadi kode untuk *link* aktivasi akun.

#### Segmen Program 4.2 Registrasi

```
<body>

  <!-- ===== Header ===== -->
  <header id="header" class="fixed-top ">
    <div class="container d-flex align-items-center justify-
content-lg-between">
      <div class="logo">
        <a href="index.html" class="logo me-auto me-lg-0"></a>
      </div>

      <a href="login.php" class="get-started-btn
scrollto">Login</a>

    </div>
  </header><!-- End Header -->

  <!-- ===== Hero Section ===== -->
  <section id="hero" class="d-flex align-items-center justify-
content-center">
    <div class="container" data-aos="fade-up">

      <div class="row gy-4 mt-5 justify-content-center" data-
aos="zoom-in" data-aos-delay="250">
        <div class="col-md-7 " style="text-align: left; background-
color:white; opacity: 75%; border-radius: 5px; padding: 20px;
background-color: white; box-shadow: 2px 2px lightyellow; text-
shadow: 1px 1px lightyellow;">
          <form id="fd" action="checkregister.php" method="POST"
class="form-container">
            <?php
            if (isset($_GET["w"])) {
              if ($_GET["w"] != "") {
                ?>
```

```

        <div class="alert alert-warning">
            <?php
                echo $_GET["w"];
            ?>
        </div>
    <?php
    }
    }
    ?>
    <h3><b>Registrasi Mahasiswa<b></h3><br>
    <div class="row">
        <label class="col-md-2" for="nrp"><b>NRP</b></label>
        <div class="col">
            <input type="text" required style="border-radius:
10px; text-align: center; background-color: lightyellow;"
placeholder="Enter NRP" id="nrp" name="nrp" required>
        </div>
        <label class="col-md-2" for="psw"><b>Nama</b></label>
        <div class="col">
            <input type="text" required style="border-radius:
10px; text-align: center; background-color: lightyellow;"
placeholder="Enter Nama" id="nama" name="nama" required>
        </div>
    </div>
    <br>
    <div class="row">
        <label class="col-md-2"
for="psw"><b>Email</b></label>
        <div class="col">
            <input type="email" required style="border-
radius: 10px; text-align: center; background-color: lightyellow;"
placeholder="Enter Email" id="email" name="email" required>
        </div>
        <label class="col-md-2" for="psw"><b>Email
Petra</b></label>
        <div class="col">
            <input type="email" required style="border-
radius: 10px; text-align: center; background-color: lightyellow;"

```

```

placeholder="Enter Email Petra" id="email_petra" name="email_petra"
required>
        </div>
    </div>
    <br>
    <div class="row">
        <label class="col-md-2" for="psw"><b>Nomor
HP</b></label>
        <div class="col">
            <input type="text" required style="border-
radius: 10px; text-align: center; background-color: lightyellow;"
placeholder="Enter NO HP" id="nohp" name="nohp" required>
        </div>
    </div>
    <br>
    <div class="row">
        <label class="col-md-2" for="psw"><b>Nama
Perusahaan</b></label>
        <div class="col">
            <input type="text" style="border-radius: 10px;
text-align: center; background-color: lightyellow;"
placeholder="Enter Company Name" id="companyname"
name="companyname" required>
        </div>
        <label class="col-md-2" for="psw"><b>Alamat
Perusahaan</b></label>
        <div class="col">
            <input type="text" style="border-radius: 10px;
text-align: center; background-color: lightyellow;"
placeholder="Enter Company Adress" id="companyaddress"
name="companyaddress" required>
        </div>
    </div>
    <br>
    <div class="row">
        <label class="col-md-2"
for="psw"><b>Password</b></label>
        <div class="col">

```

```

        <input type="password" style="border-radius:
10px; text-align: center; background-color: lightyellow;"
placeholder="Enter Password" id="password" name="password"
required>
    </div>
    <label class="col-md-2" for="psw"><b>Konfirmasi
Password</b></label>
    <div class="col">
        <input type="password" style="border-radius:
10px; text-align: center; background-color: lightyellow;"
placeholder="Enter Password" id="password2" name="password2"
required>
    </div>
</div>
<br><br>
<center><button type="submit" class="btn btn-
warning">Register</button></center>
</div>
</form>
</div>
</div>
</div>
</section><!-- End Hero -->

<div class="container">
    <div class="copyright">
        <footer style="text-align: center">&copy; Copyright 2022
<strong>Universitas Kristen Petra</strong> All rights reserved. |
C14180161</footer>
    </div>
</div>

<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-
content-center"><i class="bi bi-arrow-up-short"></i></a>
<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>

```

```

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.
js"></script>
<script>
var sb = false;
$(document).ready(function() {
    $('#fd').submit(function(event) {

        if (!sb) {
            event.preventDefault();
            var password = $("#password").val();
            var password2 = $("#password2").val();
            var email=$("#email_petra").val();

            var msg = "";
            if (password != password2) {
                msg = "Password dan konfirmasinya harus sama\n";
            }

            var temp=email.split("@");
            var base=temp[temp.length-1].toLowerCase();
            console.log("base",base);
            if (base!="john.petra.ac.id" &&
base!="alumni.petra.ac.id")
                {
                    msg=msg+"Email harus john.petra.ac.id atau
alumni.petra.ac.id\n";
                }
            if (msg == "") {
                var email = $("#email").val();
                var email_petra = $("#email_petra").val();
                var nrp = $("#nrp").val();
                $.ajax({
                    url: "checkdata.php",
                    type: "POST",
                    dataType: "json",
                    data: {
                        email,
                        email_petra,

```

```

        nrp
    },
    success: function(result) {
        if (result.msg != "") {
            alert(result.msg);
        } else {
            sb = true;
            $("#fd").submit();
        }
    },
    error: function() {
    }
});
} else {
    alert(msg);
}

}
});
});
</script>

</body>

```

#### 4.3.3 Implementasi Fitur Cek Data Registrasi

Dalam *file* cek registrasi ini, dilakukan pengecekan apabila Mahasiswa registrasi menggunakan *email* atau *email* petra atau nrp yang sudah didaftarkan sebelumnya maka Mahasiswa tidak bisa melakukan registrasi.

Segmen Program 4.3 Cek Registrasi

```

<?php
    include "conn.php";
    $email=mysqli_real_escape_string($link,$_POST["email"]);
    $email_petra=mysqli_real_escape_string($link,$_POST["email_petra"]);
    $nrp=mysqli_real_escape_string($link,$_POST["nrp"]);

    $msg="";
    $result=[];
    $q="SELECT * FROM user WHERE email=' $email' ";

```

```

$res=mysqli_query($link,$q);
if ($row=mysqli_fetch_assoc($res))
{
    $msg.="Email ".$email." sudah digunakan\n";
}

$q="SELECT * FROM user WHERE email_petra='$email_petra'";
$res=mysqli_query($link,$q);
if ($row=mysqli_fetch_assoc($res))
{
    $msg.="Email petra ".$email_petra." sudah digunakan\n";
}

$q="SELECT * FROM user WHERE username='$nrp'";
$res=mysqli_query($link,$q);
if ($row=mysqli_fetch_assoc($res))
{
    $msg.="NRP ".$nrp." sudah digunakan\n";
}

$result["msg"]=$msg;
echo json_encode($result);
?>

```

#### 4.3.4 Implementasi Aktivasi Akun

Dalam *file* ini merupakan proses aktivasi *link* dengan kode unik yang dikirimkan kedalam *email* petra milik Mahasiswa. Apabila status “0” maka belum dilakukan aktivasi, status akan *terupdate* menjadi “1” apabila *link* sudah di klik dan akun berhasil diaktifkan, sehingga Mahasiswa yang melakukan registrasi dengan NRP dan *email* petra tersebut bisa melakukan *login* dan menggunakan *website*. Apabila *user* membuat kode asal maka akan keluar tulisan “User tidak ditemukan” atau “Kode kosong”.

Segmen Program 4.4 Aktivasi Akun

```

<?php
include "conn.php";

```

```

function generateRandomString($length = 10)
{
    $characters =
'0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';
    $charactersLength = strlen($characters);
    $randomString = '';
    for ($i = 0; $i < $length; $i++) {
        $randomString .= $characters[rand(0, $charactersLength - 1)];
    }
    return $randomString;
}

$email = mysqli_real_escape_string($link, $_POST["email"]);
$email_petra = mysqli_real_escape_string($link, $_POST["email_petra"]);
$nrp = mysqli_real_escape_string($link, $_POST["nrp"]);
$password = mysqli_real_escape_string($link, $_POST["password"]);
$companyname = mysqli_real_escape_string($link,
$_POST["companyname"]);
$companyaddress = mysqli_real_escape_string($link,
$_POST["companyaddress"]);
$nohp = mysqli_real_escape_string($link, $_POST["nohp"]);
$nama = mysqli_real_escape_string($link, $_POST["nama"]);
$kode = mysqli_real_escape_string($link, generateRandomString(10));

$q = "INSERT INTO user (username,password,status,kode, email,
email_petra, perusahaan, alamat_perusahaan, no_hp, nama) VALUES
('$nrp','$password','0','$kode', '$email', '$email_petra',
'$companyname', '$companyaddress', '$nohp', '$nama')";
mysqli_query($link, $q);

require 'vendor/autoload.php';

usePHPMailer\PHPMailer\PHPMailer;

function sendmail($recipient, $subject, $content)
{

```

```

$mail = new PHPMailer();
$mail->IsSMTP();
$mail->SMTPDebug = 1;
$mail->SMTPAuth = true;
$mail->SMTPSecure = 'ssl';
$mail->Host = "mail.bananalechy.xyz";
$mail->Port = 465;
$mail->IsHTML(true);

$mail->Username = "anggurjeruk123@bananalechy.xyz";
$mail->Password = "4nggurj3ruk";
$mail->SetFrom("anggurjeruk123@bananalechy.xyz");
$mail->Subject = $subject;
$mail->Body = $content;
$mail->AddAddress($recipient);

if (!$mail->Send()) {
} else {
    echo "<script>
        alert('Registrasi Berhasil!');
        window.location.href='login.php';
    </script>";
}
}

$content = "Silahkan aktivasi akun anda, klik di <a
href='http://localhost/Skripsi/aktivasi.php?kode=" . $kode .
"'>sini</a>";

sendmail($email_petra, "Aktivasi", $content);

<?php
    include "conn.php";
    $kode=mysqli_real_escape_string($link,$_GET["kode"]);
    if ($kode!="")
    {
        $q="SELECT * FROM user WHERE kode='$kode'";
        $res=mysqli_query($link,$q);
        if ($row=mysqli_fetch_assoc($res))

```

```

{
  if ($row["status"]!="0")
  {
    echo "User sudah diaktifkan";
  }
  else {
    $q="UPDATE user SET status='1',kode='' WHERE
id_user='".$row["id_user"]."';
    mysqli_query($link,$q);
    echo "User berhasil diaktifkan";
  }
}
else {
  echo "User tidak ditemukan";
}
}
else {
  echo "Kode Kosong";
}
}
?>

```

#### 4.3.5 Implementasi Fitur *Login*

Pada proses *login*, *user* melakukan *login* dengan memasukkan NRP, *password*, dan *captcha*. Apabila status aktivasi "0" maka *user* tidak bisa masuk karena belum melakukan aktivasi, kemudian apabila *captcha* salah *user* tidak bisa *login*. *Captcha* dapat di *refresh* apabila karakter *captcha* kurang jelas. *Captcha* dibuat dengan fungsi randomize angka dan huruf dengan 6 karakter saja, komposisinya 4 huruf dan 2 angka. Saat NRP, *password*, dan *captcha* benar serta sudah melakukan aktivasi maka *user* akan berhasil *login*.

##### Segmen Program 4.5 *Login*

```

<body>

<!-- ===== Header ===== -->
<header id="header" class="fixed-top ">
  <div class="container d-flex align-items-center justify-
content-lg-between">
    <div class="logo">

```

```

        <a href="index.html" class="logo me-auto me-lg-0"></a>
    </div>

    <a href="register.php" class="get-started-btn
scrollto">Registrasi</a>

</div>
</header><!-- End Header -->

<!-- ===== Hero Section ===== -->
<section id="hero" class="d-flex align-items-center justify-
content-center">
    <div class="container" data-aos="fade-up">

        <div class="row justify-content-center" data-aos="fade-up"
data-aos-delay="150">
            <div class="col">
                <h1 style="text-shadow: 2px 2px black;"><span>Selamat
Datang Di Website Pelacakan Legalitas Ijazah Universitas Kristen
Petra.</span></h1>
            </div>
        </div>

        <div class="row gy-4 mt-5 justify-content-center" data-
aos="zoom-in" data-aos-delay="250">
            <div class="col-md-3 " style="background-color:white;
opacity: 75%; border-radius: 5px; padding: 20px; background-color:
white; box-shadow: 2px 2px lightyellow; text-shadow: 1px 1px
lightyellow;">
                <form action="checklogin.php" method="POST" class="form-
container">
                    <?php
                    if (isset($_GET["w"])) {
                        if ($_GET["w"] != "") {
                            ?>
                            <div class="alert alert-warning">
                                <?php
                                echo $_GET["w"];

```

```

        ?>
    </div>
    <?php
    }
    }
    ?>
    <h3><b>Login Mahasiswa<b></h3><br>
    <div class="row" style="height: 300px;">
        <div class="col-25">
            <label for="nrp"><b>NRP</b></label>
            <div class="col-75">
                <input type="text" style="border-radius: 10px;
text-align: center; background-color: lightyellow;"
placeholder="Enter NRP" name="nrp" required>
            </div>
        </div>
        <br>
        <div class="col-25">
            <label for="psw"><b>Password</b></label>
            <div class="col-75">
                <input type="password" style="border-radius:
10px; text-align: center; background-color: lightyellow;"
placeholder="Enter Password" name="psw" required>
            </div>
        </div>
        <br><br>
        <div class="col-25" style="margin-top:10px ;">
            <?php include "captcha.php" ?>
        </div>
        <br><br>
        <center><button type="submit" class="btn btn-warning"
style="width:100px; margin-top:10px">Login</button></center>
    </form>
</div>
</div>
</div>
</section><!-- End Hero -->

```

```

<div class="container">
  <div class="copyright">
    <footer style="text-align: center">&copy; Copyright 2022
<strong>Universitas Kristen Petra</strong> All rights reserved. |
C14180161</footer>
  </div>
</div>

<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-
content-center"><i class="bi bi-arrow-up-short"></i></a>

<!-- Vendor JS Files -->
<script
src="assets/vendor/purecounter/purecounter_vanilla.js"></script>
<script src="assets/vendor/aos/aos.js"></script>
<script
src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script
src="assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="assets/vendor/isotope-
layout/isotope.pkgd.min.js"></script>
<script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="assets/vendor/php-email-form/validate.js"></script>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.
js"></script>
<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>

<script>
  function makeid(length) {
    var result           = '';
    var characters       =
'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789';
    var charactersLength = characters.length;
    for ( var i = 0; i < length; i++ ) {
      result += characters.charAt(Math.floor(Math.random() *
charactersLength));

```

```

    }
    return result;
}
function refresh()
{
    $("#imgA").attr("src","images/image.php?x="+makeid(10));
}
</script>
</body>

<?php
include "conn.php";

$captcha=strtoupper($_POST["captcha"]);
$captchareal=$_SESSION["captcha_id"];

if ($captcha==$captchareal)
{
    $nrp = mysqli_real_escape_string($link, $_POST["nrp"]);
    $psw = mysqli_real_escape_string($link, $_POST["psw"]);

    $q = "SELECT * FROM user WHERE username='$nrp' AND
password='$psw'";
    $res = mysqli_query($link, $q);
    if ($row = mysqli_fetch_assoc($res)) {
        if ($row["status"] == "0") {
            header("location:login.php?w=" . urlencode("Akun belum
diaktifkan"));
        }
        else {
            $_SESSION["user"] = $row;
            header("location:home.php");
        }
    } else {
        header("location:login.php?w=" . urlencode("Login gagal
dilakukan"));
    }
}
else {

```

```

    header("location:login.php?w=" . urlencode("Captcha salah"));
}
?>

//captha (randomize and image)
<?php
session_start();
$char = strtoupper(substr(str_shuffle('abcdefghijklmnopqrstuvwxyz'),
0, 4));
$str = rand(1, 7) . rand(1, 7) . $char;

$_SESSION['captcha_id'] = $str;

header('Content-Type: image/png');
header('Cache-Control: no-cache');

$image = imagecreatefrompng('bg6.png');
$colour = imagecolorallocate($image, 183, 178, 152);
$font = '../fonts/Anorexia.ttf';
$rotate = rand(-15, 15);
imagefttext($image, 14, $rotate, 18, 30, $colour, $font, $str);

imagepng($image);

//fungsi refresh captcha
function makeid(length) {
    var result         = '';
    var characters     =
'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789';
    var charactersLength = characters.length;
    for ( var i = 0; i < length; i++ ) {
        result += characters.charAt(Math.floor(Math.random() *
charactersLength));
    }
    return result;
}
function refresh()
{
    $("#imgA").attr("src","images/image.php?x="+makeid(10));
}

```

```
}
```

#### 4.3.6 Implementasi Fitur *Documents*

Pada fitur *documents* ini, dokumen Mahasiswa seperti ijazah, skpi, dan transkrip nilai akan ditampilkan dalam 1 halaman sesuai *user* yang *login*. Dan *user* dapat *download* dokumen-dokumen tersebut.

##### Segmen Program 4.6 *Documents*

```
<?php
    include "header2.php";
?>

<main id="main">

    <!-- ===== Breadcrumbs ===== -->
    <section id="breadcrumbs" class="breadcrumbs">
        <div class="container">

            <div class="d-flex justify-content-between align-items-
center">
                <h2>Documents</h2>
                <ol>
                    <li><a href="home.php">Home</a></li>
                    <li style="color: white">Documents</li>
                </ol>
            </div>

        </div>

    </section><!-- End Breadcrumbs -->

    <section class="inner-page" style="background-color: black;
padding-bottom: 300px">
        <div class="col" style="text-align: center;">

            <table>
                <?php
                    $user=$_SESSION["user"];
                    $q="SELECT * FROM file WHERE
id_user='".$user["id_user"]."'";
                    $res = mysqli_query($link, $q);
```

```

        $ctr=0;
        while ($row = mysqli_fetch_assoc($res)) {

            if ($ctr%5==0)
            {
                if ($ctr!=0)
                {
                    echo "<br/>";
                }
                echo "<tr>";
            }
            ?>

                <td>
                <?php
                echo("<script>console.log('PHP: " .
$row["file_path"] . "');</script>");
                ?>

                <embed src="<?php echo
$row["file_path"]; ?>" style="width: 300px; height: 200px"
frameborder="0">

                </embed>

                <?php
                if ($row["download"] != "0") {
                ?>

                    <br />

                    <button class="btn btn-
warning"><a style="color: black;" href="<?php echo
$row["file_path"]; ?>" target=_blank>Download</a></button>

                <?php
                }
                ?>

                </td>

            <?php
            $ctr++;
        }
        ?>

```

```

        </table>
    </div>
</section>

</main>

```

#### 4.3.7 Implementasi Pelacakan Legalitas

Pada fitur ini data dan dokumen yang diminta Mahasiswa akan tersimpan ke dalam *table random*. Kemudian fungsi *random* juga kembali digunakan untuk membuat *link* baru di setiap *request* Mahasiswa. Fungsi *sendmail* digunakan untuk mengirimkan *link* kedalam *email* perusahaan yang sudah dimasukkan Mahasiswa.

#### Segmen Program 4.7 Pelacakan Legalitas

```

<section class="inner-page" style="background-image:
url('wallpaper1.jpg');">
    <div class="container" style="width: 80%; background-
color:white; opacity: 80%; padding: 20px; font-weight: bold;">
        <form method="POST" action="kirimemail.php">
            <div class="row">
                <div class="col">
                    <input type="hidden" name="namaperusahaan2"
value="<?php echo $nama_perusahaan2; ?>" />
                    <label><b>Masukkan Nama Perusahaan</b></label>
                    <textarea name="nama_perusahaan2" class="form-
control" style="background-color: lightgray;" required>Bank
Melon</textarea>
                </div>

                <div class="col">
                    <input type="hidden" name="user" value="<?php echo
$iduser; ?>" />
                    <label><b>Masukkan Email Perusahaan</b></label>
                    <textarea name="email" class="form-control"
style="background-color: lightgray;"
required>melonnanas0000@gmail.com</textarea>
                </div>
            </div>
        <br>

```

```

        <input type="hidden" name="alamatperusahaan2"
value="<?php echo $alamat_perusahaan2; ?>" />
        <label><b>Masukkan Alamat Perusahaan</b></label>
        <textarea name="alamat_perusahaan2" class="form-control"
style="background-color: lightgray;" required>Jalan ...</textarea>
        </br>

        <label class="col-md-2" for="choosedocument"><b>Pilih
Dokumen</b></label>
        <?php
        $q = "SELECT * FROM tipe";
        $res = mysqli_query($link, $q);
        while ($row = mysqli_fetch_assoc($res)) {
            $nama = $row["nama"];
            $bahasa = $row["bahasa"];
            if ($bahasa == "en") { ?>
                <div class="form-check" style="text-transform:
capitalize ;">
                    <input type="checkbox" class="form-check-input"
name="tipe[]" value="<?php echo $nama; ?>-en">
                    <label class="form-check-label" for="check1"><?php
echo $nama; ?> Inggris</label>
                </div> <?php
                    } else if ($bahasa == "in") { ?>
                <div class="form-check" style="text-transform:
capitalize;">
                    <input type="checkbox" class="form-check-input"
name="tipe[]" value="<?php echo $nama; ?>-in">
                    <label class="form-check-label" for="check1"><?php
echo $nama; ?> Indonesia</label>
                </div><?php
                    }
                } ?>

        <br>

```

```

        <label for="choosedocument"><b>Pilih Data Pribadi Yang
Akan Ditampilkan Untuk Perusahaan</b></label>
        <div class="row" style="margin-left: 1px">
            <div class="col form-check">
                <input type="checkbox" class="form-check-input"
name="attr[]" value="username">
                <label class="form-check-label"
for="check4">NRP</label>
            </div>
            <div class="col form-check">
                <input type="checkbox" class="form-check-input"
name="attr[]" value="nama">
                <label class="form-check-label"
for="check5">Nama</label>
            </div>
            <div class="col form-check">
                <input type="checkbox" class="form-check-input"
name="attr[]" value="kota_asal">
                <label class="form-check-label" for="check6">Kota
Asal</label>
            </div>
            <div class="w-100"></div>
            <div class="col form-check">
                <input type="checkbox" class="form-check-input"
name="attr[]" value="alamat">
                <label class="form-check-label" for="check7">Alamat
Domisili</label>
            </div>
            <div class="col form-check">
                <input type="checkbox" class="form-check-input"
name="attr[]" value="ipk">
                <label class="form-check-label"
for="check8">IPK</label>
            </div>
            <div class="col form-check">
                <input type="checkbox" class="form-check-input"
name="attr[]" value="sks">
                <label class="form-check-label"
for="check9">SKS</label>

```

```

        </div>
        <div class="w-100"></div>
        <div class="col form-check">
            <input type="checkbox" class="form-check-input"
name="attr[]" value="prodi">
            <label class="form-check-label" for="check10">Program
Studi</label>
        </div>
        <div class="col form-check">
            <input type="checkbox" class="form-check-input"
name="attr[]" value="program">
            <label class="form-check-label"
for="check11">Program</label>
        </div>
        <div class="col form-check"></div>
    </div>

    <br>
    <label for="access"><b>Hak Akses Penerima</b></label><br>
    <div class="form-check">
        <input type="radio" class="form-check-input"
id="radio1" name="tipe2" value="view">
        <label class="form-check-label" for="radio1">View
Only</label>
    </div>
    <div class="form-check">
        <input type="radio" class="form-check-input"
id="radio2" name="tipe2" value="download">
        <label class="form-check-label"
for="radio2">Download</label>
    </div>
    <br>

    <label for="tanggalmaks"><b>Tanggal Maksimal Link Dapat
Dibuka</b></label><br>
    <input required type="datetime-local" name="tanggalmax"
/>

    <br><br>

```

```

        <button class="btn btn-primary"
id="checkBtn">Send</button>
    </form>
</div>
</section>
<?php
include "conn.php";
require 'vendor/autoload.php';
include('phpqrcode/qrlib.php');

//membuat random kode untuk link
function generateRandomString($length = 10)
{
    $characters =
'0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ';
    $charactersLength = strlen($characters);
    $randomString = '';
    for ($i = 0; $i < $length; $i++) {
        $randomString .= $characters[rand(0, $charactersLength - 1)];
    }
    return $randomString;
}

function checkada($code)
{
    global $link;
    $q = "SELECT * FROM random WHERE code='$code'";
    $res = mysqli_query($link, $q);
    if ($row = mysqli_fetch_assoc($res)) {
        return true;
    } else {
        return false;
    }
}

//system mengirim link dan QR Code ke email tujuan
use PHPMailer\PHPMailer\PHPMailer;

function sendmail($recipient, $subject, $content, $file)

```

```

{
    $mail = new PHPMailer();
    $mail->IsSMTP();
    $mail->SMTPDebug = 3;
    $mail->SMTPAuth = true;
    $mail->SMTPSecure = 'ssl';
    $mail->Host = "mail.bananalechy.xyz";
    $mail->Port = 465;
    $mail->IsHTML(true);
    $mail->Username = "anggurjeruk123@bananalechy.xyz";
    $mail->Password = "4nggurj3ruk";
    $mail->SetFrom("anggurjeruk123@bananalechy.xyz");
    $mail->Subject = $subject;
    $mail->Body = $content;
    if ($file!=null)
    {
        echo "tidak add file";
        $mail->addAttachment($file);
    }

    $mail->AddAddress($recipient);

    if (!$mail->Send()) {
        echo "Mailer Error: " . $mail->ErrorInfo;
    } else {
        echo "<script>
            alert('Message has been sent. ');
            window.location.href='account.php';
        </script>";
    }
}

//menyimpan data request oleh Mahasiswa
$user = mysqli_real_escape_string($link, $_POST["user"]);
$tanggalmax = mysqli_real_escape_string($link, $_POST["tanggalmax"]);
$email = mysqli_real_escape_string($link, $_POST["email"]);
$nama_perusahaan2 = mysqli_real_escape_string($link,
$_POST["nama_perusahaan2"]);

```

```

$alamat_perusahaan2 = mysqli_real_escape_string($link,
$_POST["alamat_perusahaan2"]);

echo $user . "<br/>";
$daftarEmail = explode(";", $email);

$tipe = "";
if (isset($_POST["tipe"])) {
    $tipe = implode(";", $_POST["tipe"]);
}

$attr = "";
if (isset($_POST["attr"])) {
    $attr = implode(";", $_POST["attr"]);
}

$tipe2 = mysqli_real_escape_string($link, $_POST["tipe2"]);

$arr = [];
for ($i = 0; $i < count($daftarEmail); $i++) {
    $kode = generateRandomString(10);
    $sem1 = mysqli_real_escape_string($link, $daftarEmail[$i]);
    while (checkada($kode)) {
        $kode = generateRandomString(10);
    }

    $q = "INSERT INTO random
(code,id_user,buka,email,tipe,tipe2,max_tanggal,attr,
nama_perusahaan2, alamat_perusahaan2,tanggal_kirim) VALUES
('$kode','$user','0','$sem1','$tipe','$tipe2','$tanggalmax','$attr',
'$nama_perusahaan2', '$alamat_perusahaan2',SYSDATE())";
    mysqli_query($link, $q);

    $arr[] = $kode;

    $file = "gambar/" . $kode . ".png";

```

```

QRcode::png('http://192.168.18.145/Skripsi/file.php?code=' . $kode,
$file);

$content = "Berikut adalah link untuk membuka dokumen <a
href='http://localhost/Skripsi/file.php?code=' . $kode .
''>DISINI</a><br>
        Link ini bersifat sekali pakai dan berlaku hingga tanggal
" . date("d-M-Y H:i", strtotime($tanggalmax));
if ($tipe2=="view")
{
    $file=null;
}
sendmail($eml, "Link buka", $content, $file);
}
?>

```

#### 4.3.8 Implementasi Hasil Pelacakan Legalitas Yang Diterima oleh Pihak Perusahaan

Pada proses ini, dilakukan pengecekan apabila tanggal *link* di klik melebihi tanggal batas maksimal yang diberikan Mahasiswa, maka *link* tidak dapat dibuka. Kemudian, apabila *link* sudah dibuka maka “buka” dalam *table random* akan *terupdate* dari “0” untuk belum dibuka menjadi “1” untuk *link* yang sudah dibuka, dan akan tercatat tanggal beserta waktu *link* tersebut dibuka, *link* bersifat sekali pakai. Data Mahasiswa beserta dokumen kelulusan sesuai *request* Mahasiswa akan ditampilkan.

#### Segmen Program 4.8 Output Pelacakan Legalitas

```

<?php
    include "conn.php";
    $code = mysqli_real_escape_string($link,
$_GET["code"]);
    $q = "SELECT * FROM random WHERE code='$code'";

    $tanggal = strtotime(date("Y-m-d H:i:s"));
    $res = mysqli_query($link, $q);
    if ($datar = mysqli_fetch_assoc($res)) {
        $tanggalCheck =
strtotime($datar["max_tanggal"]);

```

```

        if ($tanggal > $tanggalCheck) {
            echo "Sudah melebihi " . date("d-M-Y H:i",
$tanggalCheck);
        } else {
            if ($datar["buka"] == "0") {
                $q = "UPDATE random SET
buka='1',jam_buka=SYSDATE() WHERE code='$code'";
                mysqli_query($link, $q);

                $tipe = $datar["tipe"];
                $bahasa = $datar["bahasa"];
                $syarat = "";

                $q = "SELECT * FROM user WHERE id_user='"
. $datar["id_user"] . "'";

                $res2 = mysqli_query($link, $q);
                $data2 = mysqli_fetch_assoc($res2);
                $attr = explode(",", $datar["attr"]);
?>
<?php
    for ($j = 0; $j < count($attr); $j++) {
        if (isset($data2[$attr[$j]])) {
?>

        <?php
            if ($attr[$j] == "username") {
?>
        <?php
            } else { ?>
            <?php echo $attr[$j]; ?></label>
            <?php } ?>
            <?php echo $data2[$attr[$j]]; }?>

        <?php echo $data2["photo"]; ?>" /><br />
        if ($tipe != "") {
            $syarat = " AND (";
            $arrTipe = explode(",", $tipe);
            for ($i = 0; $i < count($arrTipe); $i++) {
                $syaratDetail=explode("-", $arrTipe[$i]);

```

```

        if ($i != 0) {
            $syarat = $syarat . " OR ";
            $syarat = $syarat . " (tipe = '" . $syaratDetail[0] . "' AND
bahasa='" . $syaratDetail[1] . "')"; }
$syarat = $syarat . ")";}
?>
$q = "SELECT * FROM file WHERE id_user='" . $datar["id_user"] . "'
$syarat";
$res = mysqli_query($link, $q);
while ($row = mysqli_fetch_assoc($res)) {
?>
<?php
if ($datar["tipe2"] != "view") {?>
<object style="width:600px; height:500px;" type="application/pdf"
data="<?php echo $row["file_path"]; ?>#zoom=85&scrollbar=0"
id="pdf_content" style="pointer-events: none;">
                                <p
id="missing-pdf-plugin">You can <a href="<?php echo $row["file_path"];
?>">Click here to download the PDF file</a>.</p>
                                </object>
                                <?php
                                } else {
                                <object
style="width:600px; height:500px;" type="application/pdf"
data="<?php echo $row["file_path"];
?>#zoom=85&scrollbar=0&toolbar=0&navpanes=0" id="pdf_content"
style="pointer-events: none;">
                                </object>
                                <?php
                                } else {
                                echo "Link sudah digunakan";
                                }
                                }
                                } else {
                                echo "Kode tidak tersedia";
                                }
?>

```

#### 4.3.9 Implementasi Fitur *History*

Pada menu ini Mahasiswa dapat melihat *history* yang berisi tanggal *link* dikirim ke dalam *email* pihak perusahaan, nama dan alamat perusahaan penerima, *email* penerima, status *link* sudah dibuka atau belum, beserta tanggal dan waktu *link* diakses.

##### Segmen Program 4.9 *History*

```
<section class="inner-page" style="background-image:
url('wallpaper1.jpg');">
    <div class="container" style="padding: 20px ; background-
color: white; opacity: 80%">
        <table id="tbl" class="table table-bordered">
            <thead style="background-color: dimgrey; color: white;">
                <tr>
                    <th>Tanggal Kirim</th>
                    <th>Nama Perusahaan</th>
                    <th>Alamat Perusahaan</th>
                    <th>Email</th>
                    <th>Status</th>
                </tr>
            </thead>
            <tbody>
                <?php
                    $user=$_SESSION["user"];
                    $q = "SELECT * FROM random WHERE
id_user='".$user["id_user"]."'";
                    // echo $q;
                    $res = mysqli_query($link, $q);
                    while ($row = mysqli_fetch_assoc($res)) {
                        ?>
                        <tr>
                            <td>
                                <?php
                                    echo date("d-M-Y
H:i",strtotime($row["tanggal_kirim"]));
                                ?>
                            </td>
                            <td>
                                <?php
                                    echo $row["nama_perusahaan2"];
                                ?>
                            </td>
                        </tr>
                    }
                </tbody>
            </table>
        </div>
    </section>
```

```

        </td>
        <td>
            <?php
                echo $row["alamat_perusahaan2"];
            ?>
        </td>
        <td>
            <?php
                echo $row["email"];
            ?>
        </td>
        <td>
            <?php
                if ($row["buka"] == "1") {
                    echo $row["jam_buka"];
                } else {
                    echo "Belum dibuka";
                }
            ?>
        </td>
    </tr>
<?php
}
?>
</tbody>
</table>
</div>
</section>
<?php
    $user=$_SESSION["user"];
    $q = "SELECT * FROM random WHERE
id_user='".$user["id_user"]."'";
    $res = mysqli_query($link, $q);
    while ($row = mysqli_fetch_assoc($res)) {
        <?php
            echo date("d-M-Y H:i", strtotime($row
["tanggal_kirim"]));
        ?>
    }
<?php

```

```

        echo $row["nama_perusahaan2"];
    ?>
    <?php
        echo $row["alamat_perusahaan2"];
    ?>
    <?php
        echo $row["email"];
    ?>
    <?php
        if ($row["buka"] == "1") {
            echo $row["jam_buka"];
        } else {
            echo "Belum dibuka";
        }
    ?>
    <?php
    }
?>

```

#### 4.3.10 Implementasi Fitur *Profile* Mahasiswa

Pada menu ini Mahasiswa dapat melihat dan meng*update* beberapa data pribadinya seperti, *password*, nomor hp, alamat domisili, nama dan alamat perusahaan kerja saat ini, beserta foto.

##### Segmen Program 4.10 *My Profile*

```

<section class="inner-page" style="background-image:
url('wallpaper1.jpg');">
    <div class="container">
        <?php
            $user=$_SESSION["user"];
            $q="SELECT * FROM user WHERE
id_user='".$user["id_user"]."' ";
            //echo "query ".$q;
            $res=mysqli_query($link,$q);
            $datau=mysqli_fetch_assoc($res);
        ?>
        <form method="POST" enctype='multipart/form-data'
action="simpanuserprofile.php" style="padding: 20px; background-
color: white; opacity: 80%;" >

```

```

        <div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
            <label for="staticName" class="col-sm-2 col-form-
label"><b>Nama</b></label>
            <div class="col-sm-10">
                <input style="" type="text" readonly class="form-
control-plaintext" id="staticName" value="<?php echo
$datau["nama"];?>">
            </div>
        </div>
        <div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
            <label for="staticNRP" class="col-sm-2 col-form-
label"><b>NRP</b></label>
            <div class="col-sm-10">
                <input type="text" readonly class="form-control-
plaintext" id="staticNRP" value="<?php echo
$datau["username"];?>">
            </div>
        </div>
        <div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
            <label for="email" class="col-sm-2 col-form-
label"><b>Email</b></label>
            <div class="col-sm-10">
                <input type="email" readonly class="form-control-
plaintext" name="email" value="<?php echo $datau["email"];?>">
            </div>
        </div>
        <div class="form-group row" style="border: 1px solid
black; border-radius: 5px;">
            <label for="nohp" style="background-
color:lightgray;" class="col-sm-2 col-form-label"><b>No
HP</b></label>
            <div class="col-sm-10">
                <input type="text" required class="form-control-
plaintext" name="nohp" value="<?php echo $datau["no_hp"];?>">
            </div>

```

```

        </div>
        <div class="form-group row" style="border: 1px solid
black; border-radius: 5px;">
            <label for="inputPassword" style="background-
color:lightgray;" class="col-sm-2 col-form-
label"><b>Password</b></label>
            <div class="col-sm-10">
                <input type="password" required class="form-
control-plaintext" name="password" value="<?php echo
$datau["password"];?>" placeholder="Password">
            </div>
        </div>
        <div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
            <label for="alamat" class="col-sm-2 col-form-
label"><b>Kota Asal</b></label>
            <div class="col-sm-10">
                <input type="text" readonly class="form-control-
plaintext" name="alamat2" value="<?php echo
$datau["kota_asal"];?>" placeholder="1234 Main St">
            </div>
        </div>
        <div class="form-group row" style="border: 1px solid
black; border-radius: 5px;">
            <label for="alamatdomisili" style="background-
color:lightgray;" class="col-sm-2 col-form-label"><b>Alamat
Domisili</b></label>
            <div class="col-sm-10">
                <input required type="text" class="form-control-
plaintext" name="alamat" value="<?php echo $datau["alamat"];?>"
placeholder="Jalan Siwalankerto Permai">
            </div>
        </div>
        <div class="form-group row" style="border: 1px solid
black; border-radius: 5px;">
            <label for="CompanyName" style="background-
color:lightgray;" class="col-sm-2 col-form-label"><b>Nama
Perusahaan</b></label>

```

```

        <div class="col-sm-10">
            <input required type="text" class="form-control-
plaintext" name="companyname" value="<?php echo
$datau["perusahaan"];?>">
        </div>
    </div>
    <div class="form-group row" style="border: 1px solid
black; border-radius: 5px;">
        <label for="CompanyName" style="background-
color:lightgray;" class="col-sm-2 col-form-label"><b>Alamat
Perusahaan</b></label>
        <div class="col-sm-10">
            <input required type="text" class="form-control-
plaintext" name="companyaddress" value="<?php echo
$datau["alamat_perusahaan"];?>">
        </div>
    </div>
    <div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
        <label for="ipk" class="col-sm-2 col-form-
label"><b>IPK</b></label>
        <div class="col-sm-10">
            <input type="text" readonly class="form-control-
plaintext" name="ipk" value="<?php echo $datau["ipk"];?>">
        </div>
    </div>
    <div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
        <label for="sks" class="col-sm-2 col-form-
label"><b>SKS</b></label>
        <div class="col-sm-10">
            <input type="text" readonly class="form-control-
plaintext" name="sks" value="<?php echo $datau["sks"];?>">
        </div>
    </div>
    <div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
        <label for="prodi" class="col-sm-2 col-form-

```

```

label"><b>Prodi</b></label>
    <div class="col-sm-10">
        <input type="text" readonly class="form-control-
plaintext" name="prodi" value="<?php echo $datau["prodi"];?>">
    </div>
</div>
<div class="form-group row" style="background-
color:lightgray; border: 1px solid black; border-radius: 5px;">
    <label for="program" class="col-sm-2 col-form-
label"><b>Program</b></label>
        <div class="col-sm-10">
            <input type="text" readonly class="form-control-
plaintext" name="program" value="<?php echo
$datau["program"];?>">
        </div>
    </div>

    <div class="form-group row" style="border: 1px solid
black; border-radius: 5px;">
        <label for="staticNRP" class="col-sm-2 col-form-
label" style="background-color:lightgray;"><b>Photo</b></label>
            <div class="col-sm-10">
                <input type="file" name="file" class="form-
control-plaintext"/>
                ">
            </div>
        </div>
        <br>
        <center><button style="text-align: center;"
type="submit" class="btn btn-primary">Save</button></center>
    </form>
</div>
</section>
<?php
include "conn.php";
$user = $_SESSION["user"];

```

```

$password = mysqli_real_escape_string($link, $_POST["password"]);
$alamat = mysqli_real_escape_string($link, $_POST["alamat"]);
$alamat2 = mysqli_real_escape_string($link, $_POST["alamat2"]);
$company = mysqli_real_escape_string($link,
$_POST["companyname"]);
$companyaddress = mysqli_real_escape_string($link,
$_POST["companyaddress"]);
$nohp = mysqli_real_escape_string($link, $_POST["nohp"]);
$email = mysqli_real_escape_string($link, $_POST["email"]);

$q = "UPDATE user SET email='$email',
password='$password', alamat='$alamat', kota_asal='$alamat2', perusaha
an='$company', alamat_perusahaan='$companyaddress',
no_hp='$nohp' WHERE id_user='" . $user["id_user"] . "'";
mysqli_query($link, $q);

$filename = "";
if (isset($_FILES["file"])) {
    $filename = $_FILES["file"]['name'];
    if (move_uploaded_file($_FILES['file']['tmp_name'], 'pp/' .
$_FILES["file"]['name'])) {

        $filename = "pp/" . $filename;

        $q = "UPDATE user SET photo='$filename' WHERE id_user='" .
$user["id_user"] . "'";
        mysqli_query($link, $q);
        echo "<script>
            alert('Data Tersimpan');
            window.location.href='myprofile.php';
        </script>";
    } else {
    }
}

```

#### 4.3.11 Implementasi *Logout*

Berikut adalah yang digunakan untuk proses *logout*.

##### Segmen Program 4.11 *Logout*

```
<?php
    session_start();
    session_destroy();
    header("location:login.php");
?>
```

#### 4.3.12 Implementasi Fitur *Add File (Admin)*

Pada menu ini admin dapat melakukan penambahan *file* untuk Mahasiswa dengan memilih NRP Mahasiswa, kemudian memilih tipe dan bahasa dokumen yang akan ditambahkan.

##### Segmen Program 4.12 *Add File*

```
<?php
    include "conn.php";

    $user=mysqli_real_escape_string($link,$_POST["user"]);
    $tipe=mysqli_real_escape_string($link,$_POST["tipe"]);
    $bahasa=mysqli_real_escape_string($link,$_POST["bahasa"]);

    $q="SELECT * FROM user WHERE id_user='$user'";
    $res=mysqli_query($link,$q);
    $data=mysqli_fetch_assoc($res);

    $filename="";
    if (isset($_FILES["file"]))
    {
        $filename= $data["username"]."-".$tipe."-".$bahasa.".pdf";
        if (move_uploaded_file($_FILES['file']['tmp_name'],
'Dataset2/'.$filename)) {
            echo "Uploaded";
            $filename="Dataset2/".$filename;
        } else {
            $filename="";
            echo "File not uploaded";
        }
    }
```

```

    }
}

$q="INSERT INTO file (file_path,id_user,tipe,bahasa) VALUES
('$filename','$user','$tipe','$bahasa')";

mysqli_query($link,$q);
?>

```

#### 4.3.13 Implementasi Fitur *Update File* (Admin)

Pada menu ini, admin dapat meng*update* dokumen Mahasiswa dengan klik button *update* sesuai NRP Mahasiswa dan memilih tipe dokumen apa yang akan di *update*, dan memasukkan dokumen yang baru.

##### Segmen Program 4.13 *Update File*

```

<?php
include "conn.php";

$user=mysqli_real_escape_string($link,$_POST["user"]);
$tipe=mysqli_real_escape_string($link,$_POST["tipe"]);
$id=mysqli_real_escape_string($link,$_POST["id"]);

$q="UPDATE file SET id_user='$user',tipe='$tipe' WHERE id='$id'";
mysqli_query($link,$q);

$filename="";
if (isset($_FILES["file"]))
{
    $filename= $_FILES["file"]['name'];
    if (move_uploaded_file($_FILES['file']['tmp_name'], 'Dataset/'.
$_FILES["file"]['name'])) {
        echo "Uploaded";
        $filename="Dataset/" . $filename;
        $q="UPDATE file SET file_path='$filename' WHERE id='$id'";
        mysqli_query($link,$q);
    } else {
        $filename="";
        echo "File not uploaded";
    }
}

```

```

    }
}

header("location:admin.php");
?>

```

#### 4.3.14 Implementasi Fitur *Delete File*

Berikut adalah proses *delete* dokumen yang hanya dapat dilakukan oleh admin.

##### Segmen Program 4.14 *Delete File*

```

<?php
include "conn.php";
$id=mysqli_real_escape_string($link, $_GET["id"]);
$q="DELETE FROM file WHERE id='$id'";
mysqli_query($link, $q);

header("location:admin.php");
?>

```

#### 4.3.15 Implementasi Fitur *Add Tipe*

Pada menu ini Admin dapat melakukan penambahan tipe dokumen, untuk saat ini yang tersedia adalah ijazah, skpi, dan juga transkrip. Untuk kedepannya apabila ada tambahan tipe dokumen maka Admin dapat melakukan *addfile* dengan memasukkan nama tipe dokumen dan bahasa dokumen tersebut.

##### Segmen Program 4.15 *Add Tipe*

```

<?php
include "conn.php";
$nama = mysqli_real_escape_string($link, $_POST["tipe"]);
$bahasa = mysqli_real_escape_string($link, $_POST["bahasa"]);
$q = "INSERT INTO tipe (nama, bahasa) VALUES ('$nama',
'$bahasa')";
mysqli_query($link, $q);

header("location:tipe.php");
?>

```

#### 4.3.16 Implementasi Fitur *Update* Mahasiswa

Pada menu ini Admin dapat melakukan *update* data Mahasiswa, dimana data-data ini hanya dapat *diupdate* oleh Admin, Mahasiswa tidak dapat mengeditnya. Adapun data-datanya adalah kota asal, ipk, sks, program studi, program.

Segmen Program 4.16 *Update* Mahasiswa

```
<?php
include "conn.php";

$alamat2 = mysqli_real_escape_string($link, $_POST["alamat2"]);
$ipk = mysqli_real_escape_string($link, $_POST["ipk"]);
$sks = mysqli_real_escape_string($link, $_POST["sks"]);
$prodi = mysqli_real_escape_string($link, $_POST["prodi"]);
$program = mysqli_real_escape_string($link, $_POST["program"]);
$id_user=mysqli_real_escape_string($link, $_POST["id_user"]);

$q = "UPDATE user SET kota_asal='$alamat2', ipk='$ipk',sks='$sks',
prodi='$prodi', program='$program' WHERE id_user='" . $id_user . "'";
mysqli_query($link, $q);
    echo "<script>
        alert('Data Tersimpan');
        window.location.href='Mahasiswa.php';
    </script>";
```

#### 4.3.17 Implementasi *History* (Admin)

Pada menu ini Admin dapat melacak Mahasiswa mengirimkan dokumen dan data ke siapa saja dan juga tanggal pengiriman dan tanggal *link* diakses juga terlihat.

Segmen Program 4.17 *History* Admin

```
<?php
$user = $_SESSION["user"];
$q = "SELECT r.*,u.username,u.nama " ."FROM random r " . "INNER JOIN
user u ON (r.id_user=u.id_user) ";
$res = mysqli_query($link, $q);
while ($row = mysqli_fetch_assoc($res)) {
...
}
?>
```