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LANGKAH-LANGKAH PERCOBAAN

AJAX

1. Membuat tiga buah file didalam folder htdocs yaitu index.html, server.js, dan server.php. index.html digunakan untuk menampilkan form input yang nantinya digunakan user untuk login. Server.js digunakan untuk menampung proses ajax sedangkan server.php digunakan untuk memastikan apakah username dan password yang dimasukkan user sudah benar atau tidak.
2. Berikut ini isi dari file index.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Mencoba Ajax</title>
  <script type="text/javascript" src="server.js"></script>
  <link rel="stylesheet" type="text/css" href="bootstrap.min.css">
</head>
<body>
  <div class="container-fluid">
    <div class="row-fluid">
      <div class="col-md-5">
        <div class="panel panel-primary">
          <div class="panel-heading">
            Login
          </div>
          <div class="panel-body">
            <forms>
              <div class="form-group">
                <label>Username</label><br>
                <input type="text" class="form-control" name="username" id="username" placeholder="Username">
              </div>
              <div class="form-group">
                <label>Password</label><br>
                <input type="password" class="form-control" name="password" id="password" placeholder="Password">
              </div>
              <div class="form-group">
                <button type="submit" class="btn btn-primary" onclick="proses()">Login</button>
              </div>
            </form>
          </div>
        </div>
        <div id="hasil">
          <div class="kolom">
            <input type="text" class="form-control" name="edthasil" id="edthasil">
          </div>
        </div>
      </div>
    </div>
  </div>
</body>
</html>
```

Gambar 1 Program index.html

3. Berikut ini isi dari file server.js

```
var xmlHttp = createxmlHttpRequestObject();

function createxmlHttpRequestObject(){
    var xmlHttp;

    if(window.ActiveXObject){
        try{
            xmlHttp = new ActiveXObject("Microsoft.XMLHTTP");
        }catch (e){
            xmlHttp = false;
        }
    }else{
        try{
            xmlHttp = new XMLHttpRequest();
        }catch (e){
            xmlHttp = false;
        }
    }

    if(!xmlHttp){
        alert("Object XMLHttpRequest gagal dibuat");
    }else{
        return xmlHttp;
    }
}

function proses(){
    if(xmlHttp.readyState == 4 || xmlHttp.readyState == 0){
        var username, password;

        username = encodeURIComponent(document.getElementById("username").value);
        password = encodeURIComponent(document.getElementById("password").value);

        xmlHttp.open("GET", "server.php?username="+username+"&password="+password,
            true);

        xmlHttp.onreadystatechange = handleServerResponse;

        xmlHttp.send(null);
    }else{
        setTimeout('proses()', 1000);
    }
}

function handleServerResponse(){
    if(xmlHttp.readyState == 4){
        if(xmlHttp.status == 200)
        {
            xmlResponse = xmlHttp.responseXML;
            xmlDocumentElement = xmlResponse.documentElement;

            hasil = xmlDocumentElement.firstChild.data;

            document.getElementById("edthasil").value = hasil;
            //alert("Berhasil");
            setTimeout('proses()', 1000);
        }else{
            alert("Gagal");
        }
    }
}
```

Gambar 2 Program server.js

4. Berikut ini isi dari file server.php

```
<?php
header('Content-Type : text/xml');

$username = $_GET['username'];
$password = $_GET['password'];

echo '<response>';

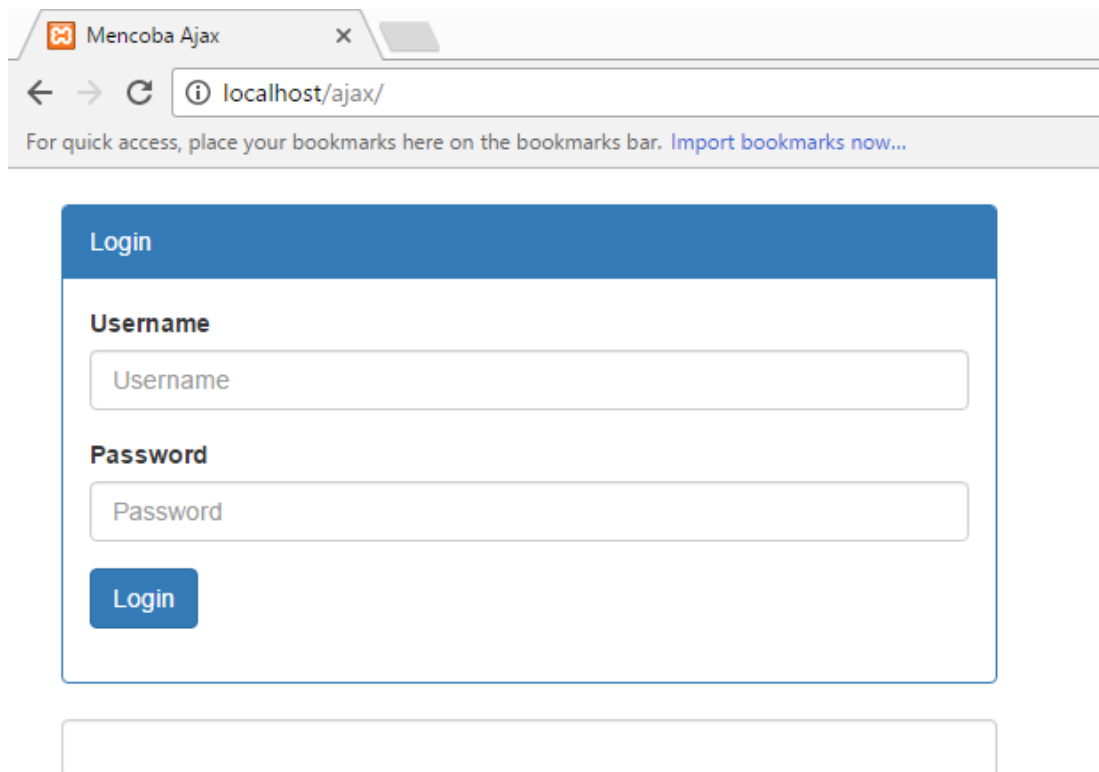
if($username == '' || $password == ''){
    echo 'Silakan masukkan username dan password';
}else if($username == 'alfiyah@it.student.pens.ac.id' && $password == 'alfiyah'){
    echo 'Berhasil Login';
}else{
    echo 'Gagal Login';
}

echo '</response>';
?>
```

Gambar 3 Program server.php

5. Hasil percobaan

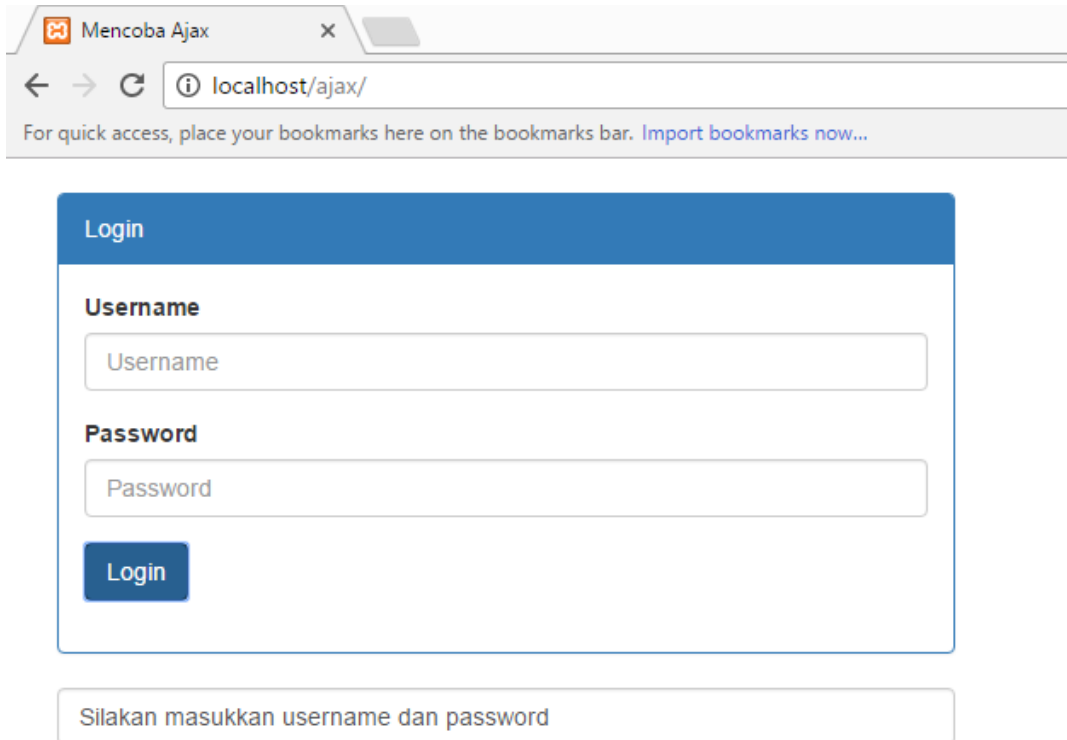
- a. Tampilan website ketika pertama kali dibuka



The screenshot shows a web browser window with the title "Mencoba Ajax". The address bar displays "localhost/ajax/". Below the browser window, there is a login form with a blue header labeled "Login". The form contains two input fields: "Username" and "Password", each with placeholder text. Below these fields is a blue "Login" button. At the bottom of the form, there is an empty text input field.

Gambar 4 Tampilan pertama website

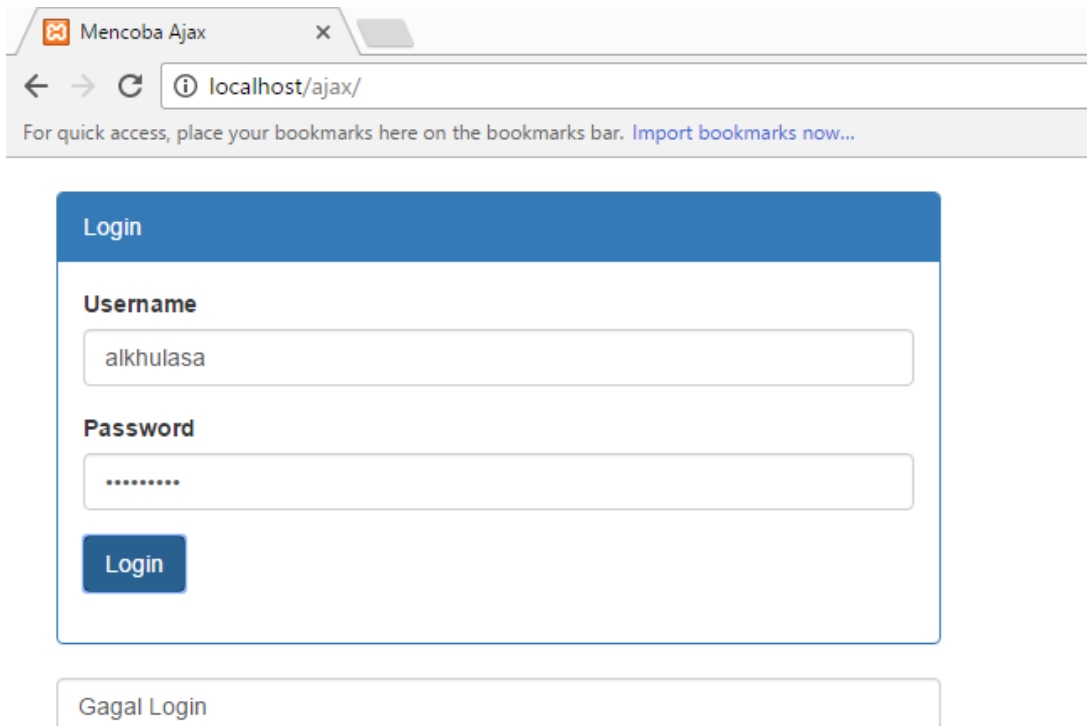
- b. User tidak memasukkan username atau password



The screenshot shows a web browser window with the title "Mencoba Ajax" and the address bar displaying "localhost/ajax/". Below the browser window is a login form with a blue header "Login". The form contains two input fields: "Username" and "Password", both of which are empty. Below the input fields is a blue "Login" button. At the bottom of the form, there is a message box that says "Silakan masukkan username dan password".

Gambar 5 Tampilan username dan password kosong

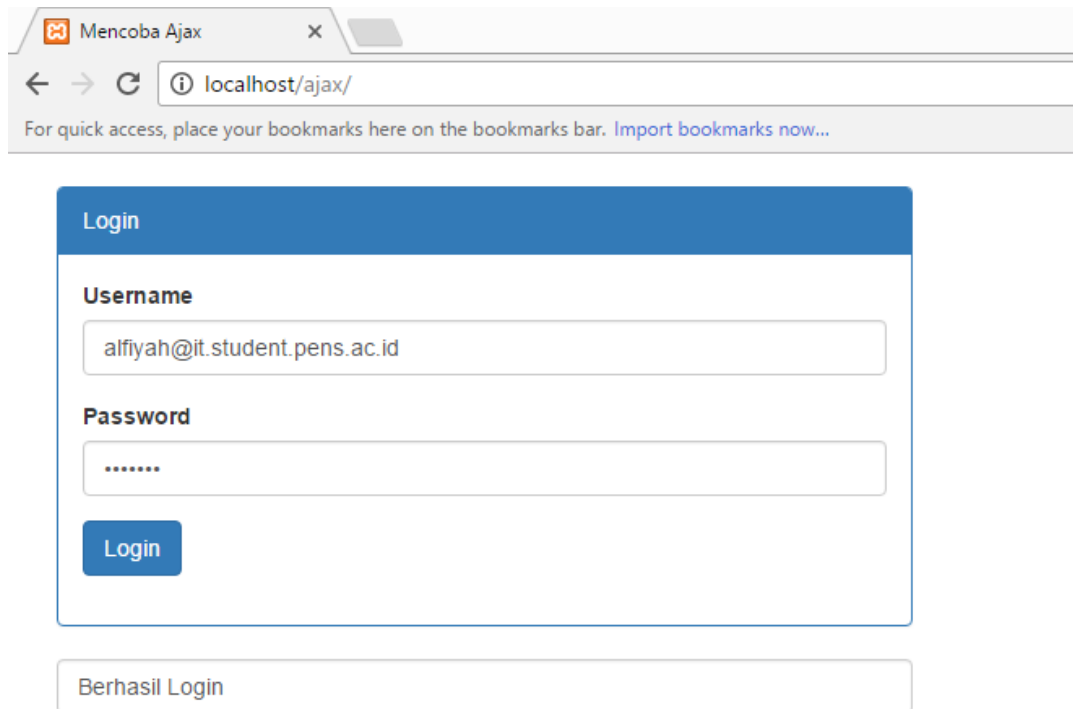
- c. Username dan password tidak sesuai



The screenshot shows a web browser window with the title "Mencoba Ajax" and the address bar displaying "localhost/ajax/". Below the browser window is a login form with a blue header "Login". The form contains two input fields: "Username" and "Password". The "Username" field contains the text "alkhulasa", and the "Password" field contains a series of dots, indicating a password. Below the input fields is a blue "Login" button. At the bottom of the form, there is a message box that says "Gagal Login".

Gambar 6 Username dan password salah

d. Username dan password benar



The screenshot shows a web browser window with the title "Mencoba Ajax". The address bar displays "localhost/ajax/". Below the browser window is a login form with a blue header labeled "Login". The form contains two input fields: "Username" with the value "alfiyah@it.student.pens.ac.id" and "Password" with masked characters ".....". A blue "Login" button is positioned below the password field. At the bottom of the form, a message box states "Berhasil Login".

Username

alfiyah@it.student.pens.ac.id

Password

.....

Login

Berhasil Login

Gambar 7 Username dan password benar