

Nama : Arina Rahmania Nbaila

Kelas : IT - 47 - 05

NIM : 103032300129

TP MODUL 15

Index.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%
    String error = "";
    if ("POST".equalsIgnoreCase(request.getMethod())) {
        String u = request.getParameter("username");
        String p = request.getParameter("password");

        if ("admin".equals(u) && "1234".equals(p)) {
            session.setAttribute("login", "yes");
            response.sendRedirect("product/view.jsp");
            return;
        } else {
            error = "Username atau password salah!";
        }
    }
%>

<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Login</title>
</head>
<body>
    <h2>Login</h2>
    <% if (!error.isEmpty()) { %>
        <p style="color:red;"><%= error %></p>
    <% } %>

```

```
29 |     <form method="post">
30 |         <label>Username</label><br>
31 |         <input type="text" name="username" required><br><br>
32 |
33 |         <label>Password</label><br>
34 |         <input type="password" name="password" required><br><br>
35 |
36 |         <button type="submit">Login</button>
37 |     </form>
38 | </body>
39 | </html>
```

View.jsp



The screenshot shows a Java code editor with a toolbar at the top containing icons for Source, History, and various file operations. The main area displays a JSP file with the following content:

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*"%>
<%@page import="db.JDBC"%>

<%
    if (session.getAttribute("login") == null) {
        response.sendRedirect("../index.jsp");
        return;
    }

    String action = request.getParameter("action");
    String idParam = request.getParameter("id");

    if ("delete".equals(action) && idParam != null) {
        try (Connection c = JDBC.getConnection();
             PreparedStatement ps = c.prepareStatement("DELETE FROM barang WHERE id=?")) {
            ps.setInt(1, Integer.parseInt(idParam));
            ps.executeUpdate();
            response.sendRedirect("view.jsp");
            return;
        } catch (Exception e) {
            request.setAttribute("err", "Gagal hapus: " + e.getMessage());
        }
    }
%>
```

```
28  <!DOCTYPE html>
29  <html>
30  <head>
31      <meta charset="UTF-8">
32      <title>Data Barang</title>
33      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
34      <script>
35          function konfirmasiHapus(id){
36              if(confirm("Yakin ingin menghapus barang ini?")){
37                  window.location = "view.jsp?action=delete&id=" + id;
38              }
39          }
40      </script>
41  </head>
42  <body class="bg-light">
43      <div class="container py-4">
44          <div class="d-flex justify-content-between align-items-center mb-3">
45              <h3 class="m-0">Data Barang</h3>
46              <div>
47                  <a class="btn btn-success" href="add.jsp">+ Add Barang</a>
48                  <a class="btn btn-outline-secondary ms-2" href="../logout.jsp">Logout</a>
49              </div>
50          </div>
51      <%
52          String err = (String) request.getAttribute("err");
53          if (err != null) {
54      %>
```

```
56          <div class="alert alert-danger"><%= err %></div>
57      <% } %>
58
59      <div class="card shadow-sm">
60          <div class="card-body">
61              <div class="table-responsive">
62                  <table class="table table-striped align-middle">
63                      <thead>
64                          <tr>
65                              <th>ID</th>
66                              <th>Nama</th>
67                              <th>Harga</th>
68                              <th>Stok</th>
69                              <th style="width:180px;">Aksi</th>
70                          </tr>
71                      </thead>
72                      <tbody>
73                          <%
74                              try (Connection conn = JDBC.getConnection();
75                                  Statement st = conn.createStatement();
76                                  ResultSet rs = st.executeQuery("SELECT * FROM barang ORDER BY id DESC")) {
77
78                                  boolean ada = false;
79                                  while (rs.next()) {
80                                      ada = true;
81                                      int id = rs.getInt("id");
82
83                                  <tr>
```

```

84 |     <td><%= id %></td>
85 |     <td><%= rs.getString("nama") %></td>
86 |     <td>Rp <%= rs.getInt("harga") %></td>
87 |     <td><%= rs.getInt("stok") %></td>
88 |     <td>
89 |         <a class="btn btn-sm btn-warning" href="edit.jsp?id=<%= id %>">Edit</a>
90 |         <button class="btn btn-sm btn-danger" type="button" onclick="konfirmasiHapus(<%= id %>)">Delete</b>
91 |     </td>
92 | </tr>
93 | <%
94 |     if (!ada) {
95 | %>
96 |         <tr><td colspan="5" class="text-center text-muted">Belum ada data.</td></tr>
97 | <%
98 |     }
99 |     } catch (Exception e) {
100 | %>
101 |         <tr><td colspan="5" class="text-danger">Error: <%= e.getMessage() %></td></tr>
102 | <%
103 |     }
104 | %>
105 |
106 |     </tbody>
107 | </table>
108 | </div>
109 | </div>
110 |

```

Edit.jsp

```

1  <%@page contentType="text/html" pageEncoding="UTF-8"%>
2  <%@page import="java.sql.*"%>
3  <%@page import="db.JDBC"%>
4
5
6  <%
7      if (session.getAttribute("login") == null) {
8          response.sendRedirect("../index.jsp");
9          return;
10     }
11
12     String idParam = request.getParameter("id");
13     if (idParam == null) {
14         response.sendRedirect("view.jsp");
15         return;
16     }
17     int id = Integer.parseInt(idParam);
18
19     String msg = null;
20     String nama = "";
21     int harga = 0;
22     int stok = 0;
23
24     if ("POST".equalsIgnoreCase(request.getMethod())) {
25         nama = request.getParameter("nama");
26         harga = Integer.parseInt(request.getParameter("harga"));
27         stok = Integer.parseInt(request.getParameter("stok"));
28

```

```

29     try (Connection conn = JDBC.getConnection();
30          PreparedStatement ps = conn.prepareStatement(
31              "UPDATE barang SET nama=?, harga=?, stok=? WHERE id=?")) {
32
33         ps.setString(1, nama);
34         ps.setInt(2, harga);
35         ps.setInt(3, stok);
36         ps.setInt(4, id);
37         ps.executeUpdate();
38
39         response.sendRedirect("view.jsp");
40         return;
41     } catch (Exception e) {
42         msg = "Gagal update: " + e.getMessage();
43     }
44 } else {
45     try (Connection conn = JDBC.getConnection();
46          PreparedStatement ps = conn.prepareStatement("SELECT * FROM barang WHERE id=?")) {
47
48         ps.setInt(1, id);
49         try (ResultSet rs = ps.executeQuery()) {
50             if (rs.next()) {
51                 nama = rs.getString("nama");
52                 harga = rs.getInt("harga");
53                 stok = rs.getInt("stok");
54             } else {
55                 response.sendRedirect("view.jsp");
56                 return;
57             }
58         } catch (Exception e) {
59             msg = "Gagal ambil data: " + e.getMessage();
60         }
61     }
62 }
63 %>
64
65 <!DOCTYPE html>
66 <html>
67 <head>
68     <meta charset="UTF-8">
69     <title>Edit Barang</title>
70     <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
71 </head>
72 <body class="bg-light">
73     <div class="container py-4">
74         <div class="d-flex justify-content-between align-items-center mb-3">
75             <h3 class="m-0">Edit Barang (ID: <%= id %>)</h3>
76             <a class="btn btn-outline-secondary" href="view.jsp">Kembali</a>
77         </div>
78
79         <% if (msg != null) { %>
80             <div class="alert alert-danger"><%= msg %></div>
81         <% } %>
82
83         <div class="card shadow-sm">
84             <div class="card-body">
85                 <form method="post">
86                     <div class="mb-3">

```

```

87     <label class="form-label">Nama</label>
88     <input class="form-control" type="text" name="nama" value="<%=" nama %>" required>
89   </div>
90
91   <div class="mb-3">
92     <label class="form-label">Harga</label>
93     <input class="form-control" type="number" name="harga" value="<%=" harga %>" required>
94   </div>
95
96   <div class="mb-3">
97     <label class="form-label">Stok</label>
98     <input class="form-control" type="number" name="stok" value="<%=" stok %>" required>
99   </div>
100
101   <button class="btn btn-warning" type="submit">Update</button>
102   <a class="btn btn-link" href="view.jsp">Batal</a>
103 </div>
104 </div>
105 </body>
106 </html>

```

Add.jsp

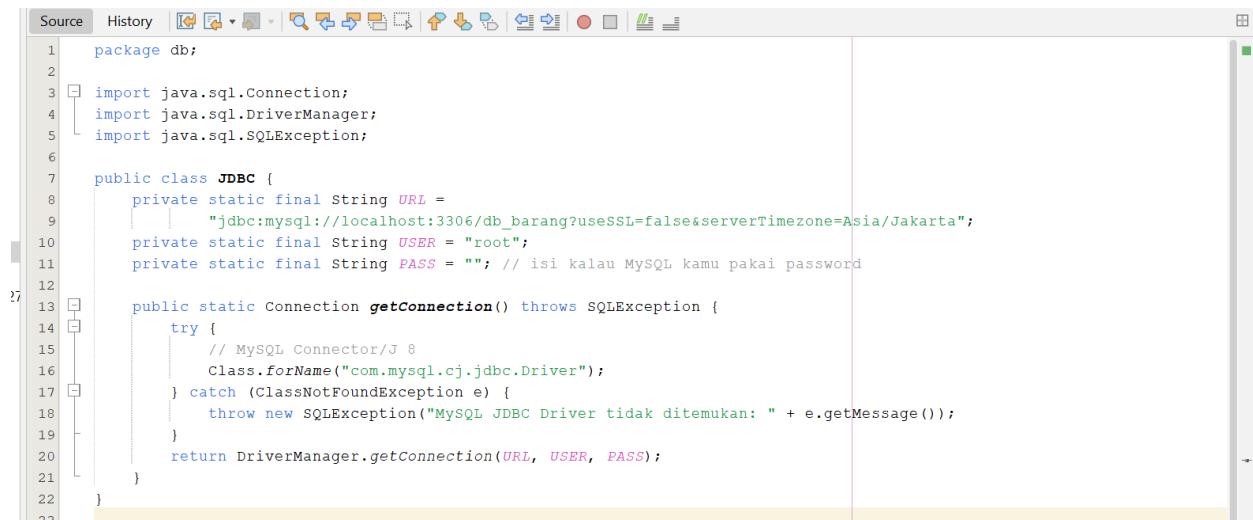
```

1 <%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <%@page import="java.sql.*"%>
3 <%@page import="db.JDBC"%>
4
5
6 <%
7   if (session.getAttribute("login") == null) {
8     response.sendRedirect("../index.jsp");
9     return;
10 }
11
12 String msg = null;
13
14 if ("POST".equalsIgnoreCase(request.getMethod())) {
15   String nama = request.getParameter("nama");
16   String hargaStr = request.getParameter("harga");
17   String stokStr = request.getParameter("stok");
18
19   try (Connection conn = JDBC.getConnection();
20        PreparedStatement ps = conn.prepareStatement(
21          "INSERT INTO barang(nama, harga, stok) VALUES(?, ?, ?)")) {
22
23     ps.setString(1, nama);
24     ps.setInt(2, Integer.parseInt(hargaStr));
25     ps.setInt(3, Integer.parseInt(stokStr));
26     ps.executeUpdate();
27
28     response.sendRedirect("view.jsp");
29     return;

```

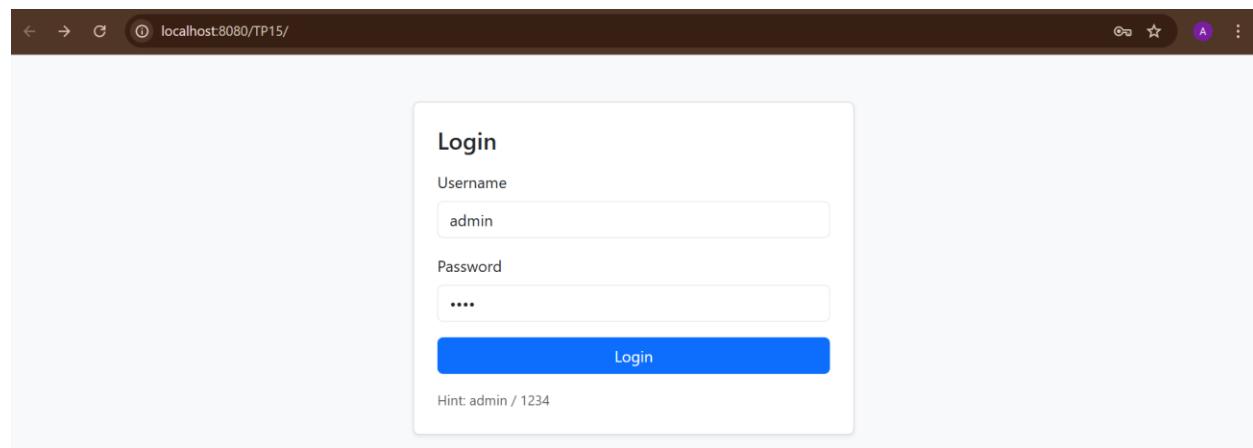
```
30             } catch (Exception e) {
31                 msg = "Gagal tambah data: " + e.getMessage();
32             }
33         }
34     %>
35
36     <!DOCTYPE html>
37     <html>
38         <head>
39             <meta charset="UTF-8">
40             <title>Add Barang</title>
41             <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
42         </head>
43         <body class="bg-light">
44             <div class="container py-4">
45                 <div class="d-flex justify-content-between align-items-center mb-3">
46                     <h3 class="m-0">Tambah Barang</h3>
47                     <a class="btn btn-outline-secondary" href="view.jsp">Kembali</a>
48                 </div>
49
50                 <% if (msg != null) { %>
51                     <div class="alert alert-danger"><%= msg %></div>
52                 <% } %>
53
54                 <div class="card shadow-sm">
55                     <div class="card-body">
56                         <form method="post">
57                             <div class="mb-3">
58                                 <label class="form-label">Nama</label>
59                                 <input class="form-control" type="text" name="nama" required>
60                             </div>
61
62                             <div class="mb-3">
63                                 <label class="form-label">Harga</label>
64                                 <input class="form-control" type="number" name="harga" required>
65                             </div>
66
67                             <div class="mb-3">
68                                 <label class="form-label">Stok</label>
69                                 <input class="form-control" type="number" name="stok" required>
70                             </div>
71
72                             <button class="btn btn-success" type="submit">Simpan</button>
73                             <a class="btn btn-link" href="view.jsp">Batal</a>
74                         </form>
75                     </div>
76                 </div>
77             </div>
78         </body>
79     </html>
```

JDBC.java



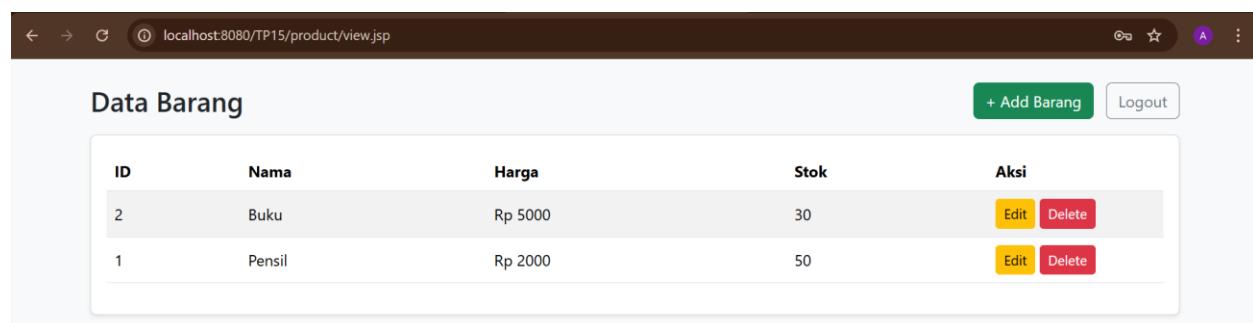
```
Source History | I O P V Q R F G H J K L M N | A B C D E F G H I J K L M N | 1 package db;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager;
5 import java.sql.SQLException;
6
7 public class JDBC {
8     private static final String URL =
9         "jdbc:mysql://localhost:3306/db_barang?useSSL=false&serverTimezone=Asia/Jakarta";
10    private static final String USER = "root";
11    private static final String PASS = ""; // isi kalau MySQL kamu pakai password
12
13    public static Connection getConnection() throws SQLException {
14        try {
15            // MySQL Connector/J 8
16            Class.forName("com.mysql.cj.jdbc.Driver");
17        } catch (ClassNotFoundException e) {
18            throw new SQLException("MySQL JDBC Driver tidak ditemukan: " + e.getMessage());
19        }
20        return DriverManager.getConnection(URL, USER, PASS);
21    }
22}
```

Tampilan index.jsp, login



The screenshot shows a web browser window with the URL `localhost:8080/TP15/` in the address bar. The page displays a login form titled "Login". It has two input fields: "Username" containing "admin" and "Password" containing "****". Below the password field is a blue "Login" button. At the bottom of the form, there is a hint: "Hint: admin / 1234".

Tampilan view.jsp setelah login dan insert beberapa data dummy

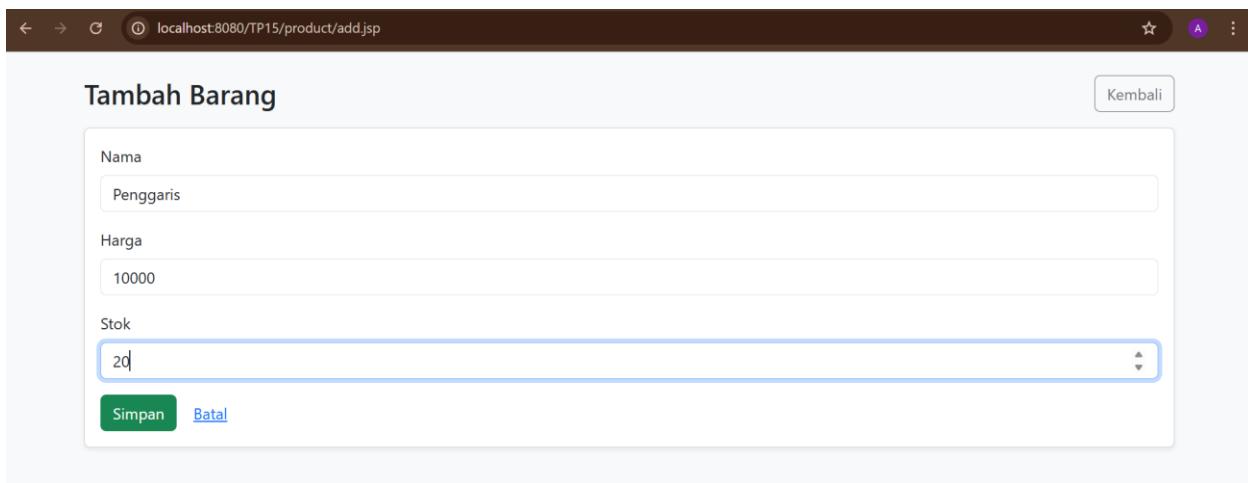


The screenshot shows a web browser window with the URL `localhost:8080/TP15/product/view.jsp` in the address bar. The page title is "Data Barang". It features a table with columns: ID, Nama, Harga, Stok, and Aksi. Two rows of data are displayed:

ID	Nama	Harga	Stok	Aksi
2	Buku	Rp 5000	30	<button>Edit</button> <button>Delete</button>
1	Pensil	Rp 2000	50	<button>Edit</button> <button>Delete</button>

At the top right of the table, there are buttons for "+ Add Barang" and "Logout".

Coba tambah barang



Tambah Barang

Nama
Penggaris

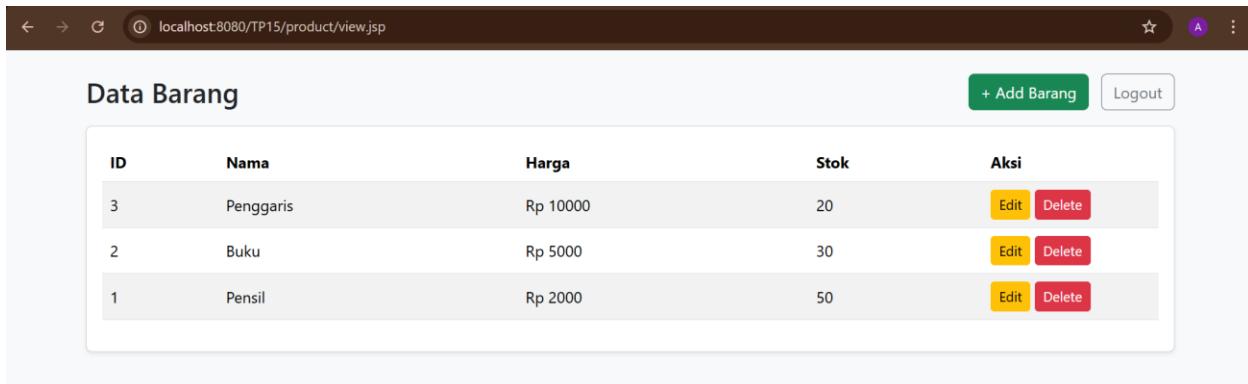
Harga
10000

Stok
20

[Kembali](#)

[Simpan](#) [Batal](#)

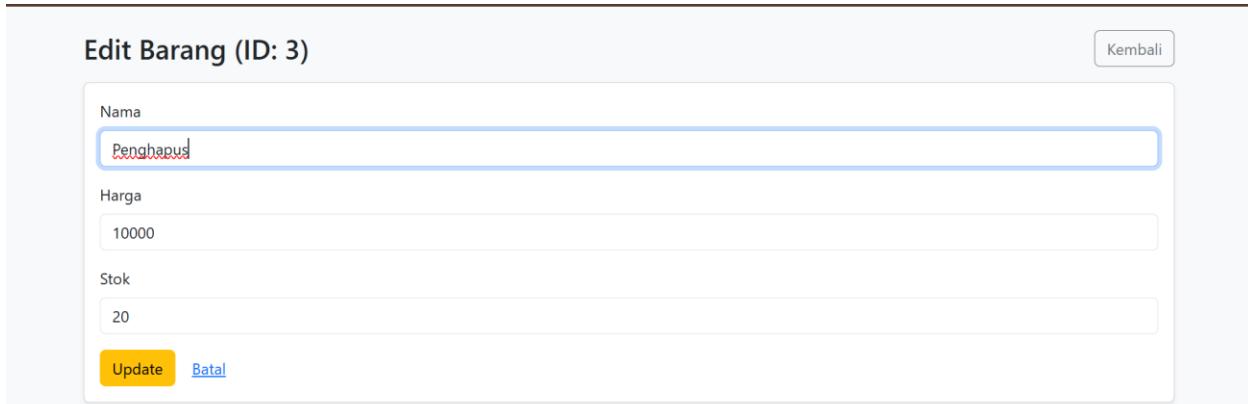
Berhasil tambah barang



ID	Nama	Harga	Stok	Aksi
3	Penggaris	Rp 10000	20	Edit Delete
2	Buku	Rp 5000	30	Edit Delete
1	Pensil	Rp 2000	50	Edit Delete

[+ Add Barang](#) [Logout](#)

Coba edit barang, “Penggaris” jadi “Penghapus”



Edit Barang (ID: 3)

Nama
Penghapus

Harga
10000

Stok
20

[Kembali](#)

[Update](#) [Batal](#)

Berhasil edit barang

The screenshot shows a web browser window with the URL `localhost:8080/TP15/product/view.jsp`. The page title is "Data Barang". A table lists three products: "Penghapus" (ID 3), "Buku" (ID 2), and "Pensil" (ID 1). Each row has columns for ID, Name, Price, Stock, and Actions (Edit and Delete). A green button at the top right says "+ Add Barang" and a white button says "Logout".

ID	Nama	Harga	Stok	Aksi
3	Penghapus	Rp 10000	20	<button>Edit</button> <button>Delete</button>
2	Buku	Rp 5000	30	<button>Edit</button> <button>Delete</button>
1	Pensil	Rp 2000	50	<button>Edit</button> <button>Delete</button>

Coba hapus barang “Pensil”

The screenshot shows a confirmation dialog box with the text "localhost:8080 says" and "Yakin ingin menghapus barang ini?". It has two buttons: "OK" and "Cancel". Behind the dialog, the "Data Barang" table is visible, showing the same three products as the previous screenshot.

Berhasil hapus “Pensil”

The screenshot shows the "Data Barang" table again, but now it only contains two rows: "Penghapus" (ID 3) and "Buku" (ID 2). The green "+ Add Barang" button and white "Logout" button are still present at the top right.

ID	Nama	Harga	Stok	Aksi
3	Penghapus	Rp 10000	20	<button>Edit</button> <button>Delete</button>
2	Buku	Rp 5000	30	<button>Edit</button> <button>Delete</button>