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TP MODUL 15

Index.jsp

Source History

```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>
    <% } %>

```

```
        <form method="post">
            <label>Username</label><br>
            <input type="text" name="username" required><br><br>

            <label>Password</label><br>
            <input type="password" name="password" required><br><br>

            <button type="submit">Login</button>
        </form>
    </body>
    </html>
```

View.jsp

Source History

```
<%@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());
        }
    }
%>
```

```jsp
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>Data Barang</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
  <script>
    function konfirmasiHapus(id){
      if(confirm("Yakin ingin menghapus barang ini?")){
        window.location = "view.jsp?action=delete&id=" + id;
      }
    }
  </script>
</head>
<body class="bg-light">
  <div class="container py-4">
    <div class="d-flex justify-content-between align-items-center mb-3">
      <h3 class="m-0">Data Barang</h3>
      <div>
        <a class="btn btn-success" href="add.jsp">+ Add Barang</a>
        <a class="btn btn-outline-secondary ms-2" href="../logout.jsp">Logout</a>
      </div>
    </div>

    <%
      String err = (String) request.getAttribute("err");
      if (err != null) {
    %>
      <div class="alert alert-danger"><%= err %></div>
    <% } %>

    <div class="card shadow-sm">
      <div class="card-body">
        <div class="table-responsive">
          <table class="table table-striped align-middle">
            <thead>
              <tr>
                <th>ID</th>
                <th>Nama</th>
                <th>Harga</th>
                <th>Stok</th>
                <th style="width:180px;">Aksi</th>
              </tr>
            </thead>
            <tbody>
              <%
                try (Connection conn = JDBC.getConnection();
                     Statement st = conn.createStatement();
                     ResultSet rs = st.executeQuery("SELECT * FROM barang ORDER BY id DESC")) {

                    boolean ada = false;
                    while (rs.next()) {
                      ada = true;
                      int id = rs.getInt("id");
              %>
                <tr>
```

```
                <td><%= id %></td>
                <td><%= rs.getString("nama") %></td>
                <td>Rp <%= rs.getInt("harga") %></td>
                <td><%= rs.getInt("stok") %></td>
                <td>
                  <a class="btn btn-sm btn-warning" href="edit.jsp?id=<%= id %>">Edit</a>
                  <button class="btn btn-sm btn-danger" type="button" onclick="konfirmasiHapus(<%= id %>)">Delete</b
                </td>
              </tr>
            <%
                }
                if (!ada) {
            %>
              <tr><td colspan="5" class="text-center text-muted">Belum ada data.</td></tr>
            <%
                }
              } catch (Exception e) {
            %>
              <tr><td colspan="5" class="text-danger">Error: <%= e.getMessage() %></td></tr>
            <%
              }
            %>
          </tbody>
        </table>
      </div>
    </div>
  </div>
```

Edit.jsp

```
<%@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 idParam = request.getParameter("id");
    if (idParam == null) {
        response.sendRedirect("view.jsp");
        return;
    }
    int id = Integer.parseInt(idParam);

    String msg = null;
    String nama = "";
    int harga = 0;
    int stok = 0;

    if ("POST".equalsIgnoreCase(request.getMethod())) {
        nama = request.getParameter("nama");
        harga = Integer.parseInt(request.getParameter("harga"));
        stok = Integer.parseInt(request.getParameter("stok"));

```

```
            try (Connection conn = JDBC.getConnection();
                 PreparedStatement ps = conn.prepareStatement(
                         "UPDATE barang SET nama=?, harga=?, stok=? WHERE id=?")) {

                ps.setString(1, nama);
                ps.setInt(2, harga);
                ps.setInt(3, stok);
                ps.setInt(4, id);
                ps.executeUpdate();

                response.sendRedirect("view.jsp");
                return;
            } catch (Exception e) {
                msg = "Gagal update: " + e.getMessage();
            }
        } else {
            try (Connection conn = JDBC.getConnection();
                 PreparedStatement ps = conn.prepareStatement("SELECT * FROM barang WHERE id=?")) {

                ps.setInt(1, id);
                try (ResultSet rs = ps.executeQuery()) {
                    if (rs.next()) {
                        nama = rs.getString("nama");
                        harga = rs.getInt("harga");
                        stok = rs.getInt("stok");
                    } else {
                        response.sendRedirect("view.jsp");
                        return;
                    }
                }
            } catch (Exception e) {
                msg = "Gagal ambil data: " + e.getMessage();
            }
        }
    %>

    <!DOCTYPE html>
    <html>
    <head>
      <meta charset="UTF-8">
      <title>Edit Barang</title>
      <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">
    </head>
    <body class="bg-light">
      <div class="container py-4">
        <div class="d-flex justify-content-between align-items-center mb-3">
          <h3 class="m-0">Edit Barang (ID: <%= id %>)</h3>
          <a class="btn btn-outline-secondary" href="view.jsp">Kembali</a>
        </div>

        <% if (msg != null) { %>
          <div class="alert alert-danger"><%= msg %></div>
        <% } %>

        <div class="card shadow-sm">
          <div class="card-body">
            <form method="post">
              <div class="mb-3">
```

```
            <label class="form-label">Nama</label>
            <input class="form-control" type="text" name="nama" value="<%= nama %>" required>
          </div>

          <div class="mb-3">
            <label class="form-label">Harga</label>
            <input class="form-control" type="number" name="harga" value="<%= harga %>" required>
          </div>

          <div class="mb-3">
            <label class="form-label">Stok</label>
            <input class="form-control" type="number" name="stok" value="<%= stok %>" required>
          </div>

          <button class="btn btn-warning" type="submit">Update</button>
          <a class="btn btn-link" href="view.jsp">Batal</a>
        </form>
      </div>
    </div>
  </div>
</body>
</html>
```

Add.jsp

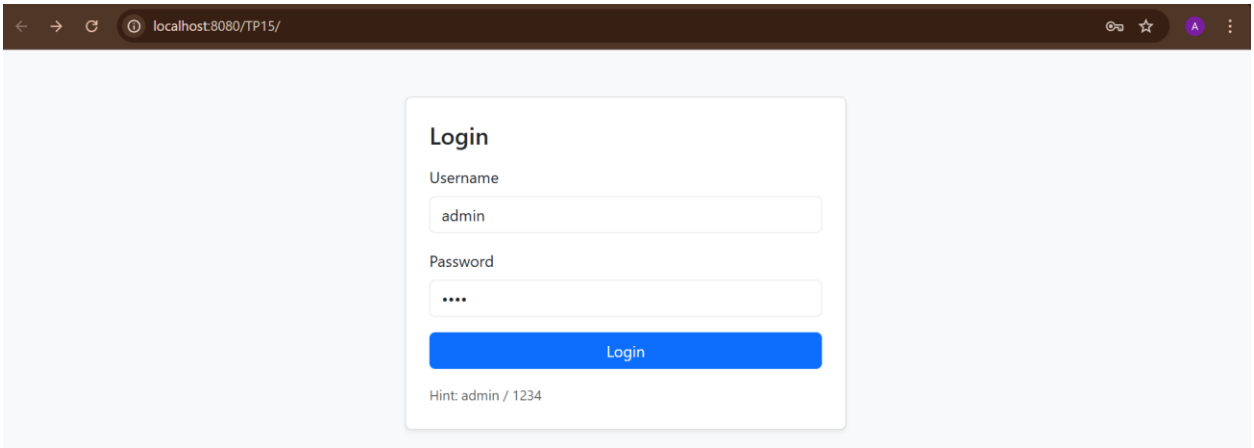
```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.*"%>
<%@page import="db.JDBC"%>


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

    String msg = null;

    if ("POST".equalsIgnoreCase(request.getMethod())) {
        String nama = request.getParameter("nama");
        String hargaStr = request.getParameter("harga");
        String stokStr = request.getParameter("stok");

        try (Connection conn = JDBC.getConnection();
             PreparedStatement ps = conn.prepareStatement(
                     "INSERT INTO barang(nama, harga, stok) VALUES(?,?,?)")) {

            ps.setString(1, nama);
            ps.setInt(2, Integer.parseInt(hargaStr));
            ps.setInt(3, Integer.parseInt(stokStr));
            ps.executeUpdate();

            response.sendRedirect("view.jsp");
            return;
```

```
        } catch (Exception e) {
            msg = "Gagal tambah data: " + e.getMessage();
        }
    }
%>

<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>Add Barang</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
</head>
<body class="bg-light">
  <div class="container py-4">
    <div class="d-flex justify-content-between align-items-center mb-3">
      <h3 class="m-0">Tambah Barang</h3>
      <a class="btn btn-outline-secondary" href="view.jsp">Kembali</a>
    </div>

    <% if (msg != null) { %>
      <div class="alert alert-danger"><%= msg %></div>
    <% } %>

    <div class="card shadow-sm">
      <div class="card-body">
        <form method="post">
          <div class="mb-3">
            <label class="form-label">Nama</label>
            <input class="form-control" type="text" name="nama" required>
          </div>

          <div class="mb-3">
            <label class="form-label">Harga</label>
            <input class="form-control" type="number" name="harga" required>
          </div>

          <div class="mb-3">
            <label class="form-label">Stok</label>
            <input class="form-control" type="number" name="stok" required>
          </div>

          <button class="btn btn-success" type="submit">Simpan</button>
          <a class="btn btn-link" href="view.jsp">Batal</a>
        </form>
      </div>
    </div>
  </div>
</body>
</html>
```

JDBC.java

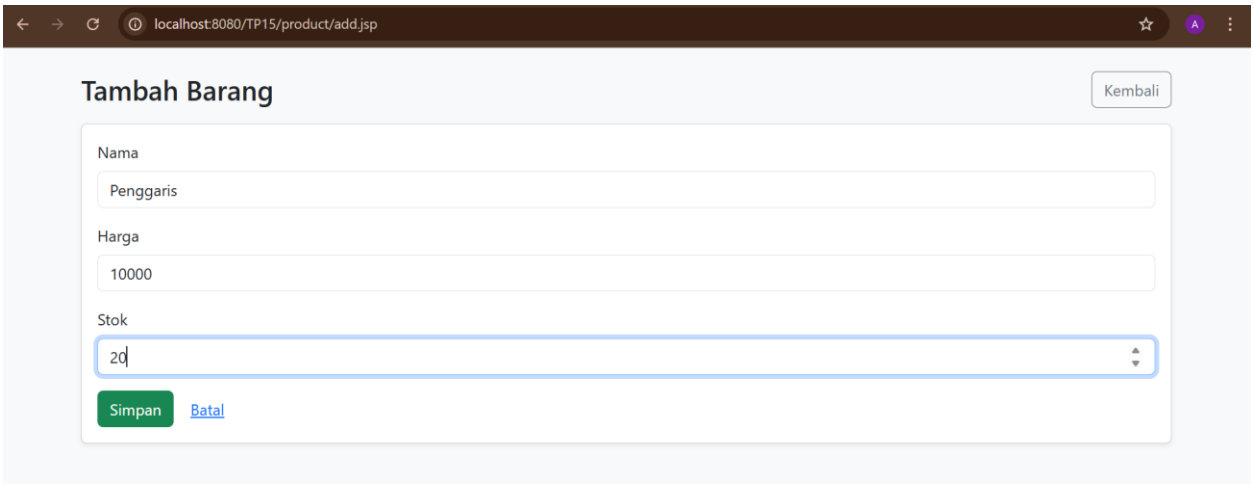
```java
package db;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class JDBC {
    private static final String URL =
            "jdbc:mysql://localhost:3306/db_barang?useSSL=false&serverTimezone=Asia/Jakarta";
    private static final String USER = "root";
    private static final String PASS = ""; // isi kalau MySQL kamu pakai password

    public static Connection getConnection() throws SQLException {
        try {
            // MySQL Connector/J 8
            Class.forName("com.mysql.cj.jdbc.Driver");
        } catch (ClassNotFoundException e) {
            throw new SQLException("MySQL JDBC Driver tidak ditemukan: " + e.getMessage());
        }
        return DriverManager.getConnection(URL, USER, PASS);
    }
}
```

Tampilan index.jsp, login



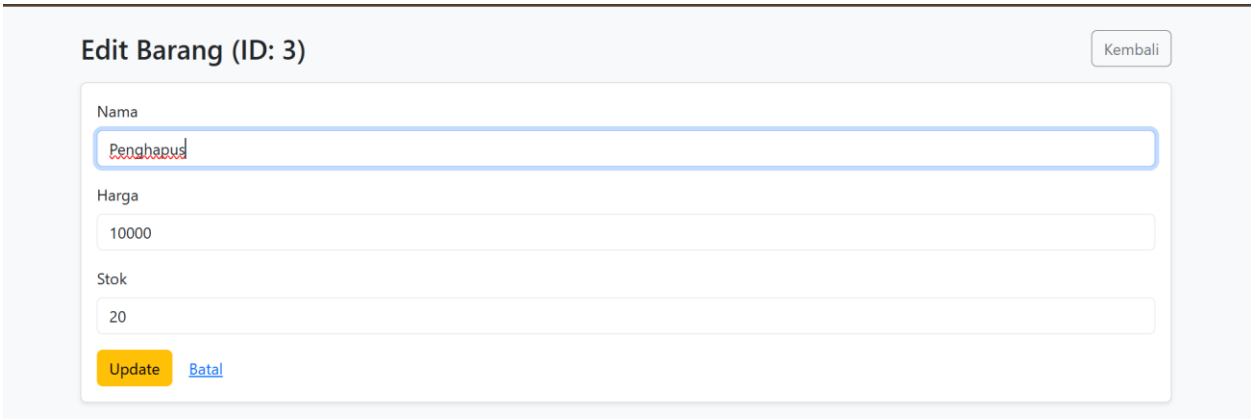
Tampilan view.jsp setelah login dan insert beberapa data dummy

Coba tambah barang



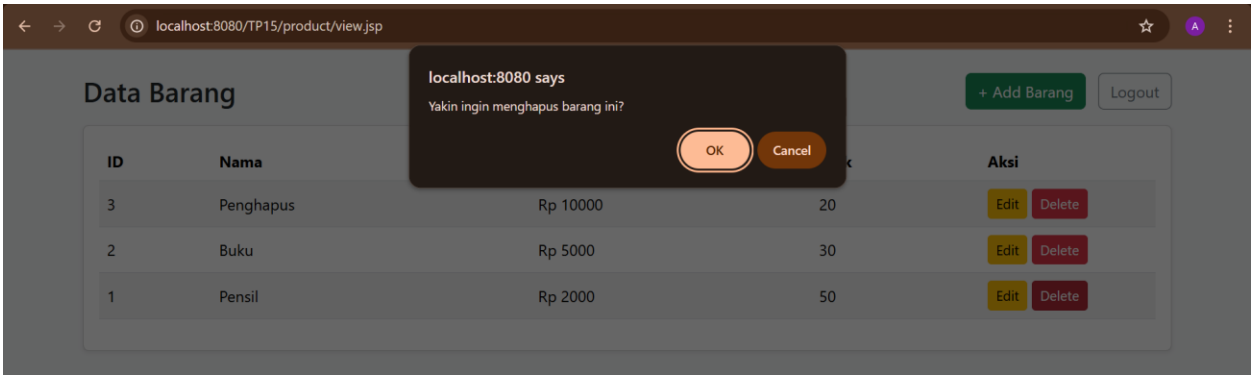
Berhasil tambah barang

Coba edit barang, “Penggaris” jadi “Penghapus”



Berhasil edit barang

Coba hapus barang “Pensil”



Berhasil hapus “Pensil”