Nama : Gilang Wasis Wicaksono
NIM : 103032030130
Kelas : IT – 47 – 05

Output :
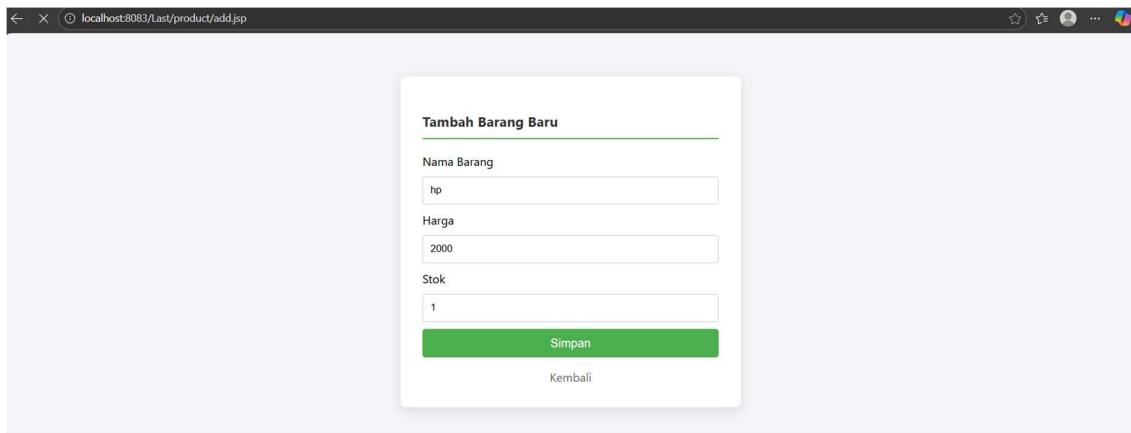
Tambah Barang Baru

Nama Barang

hp
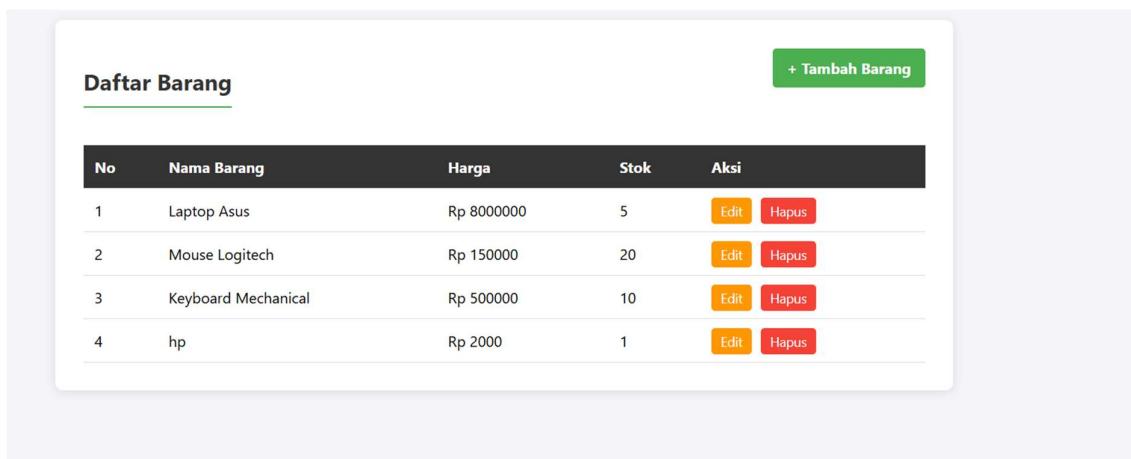
Harga

2000

Stok

1

Simpan
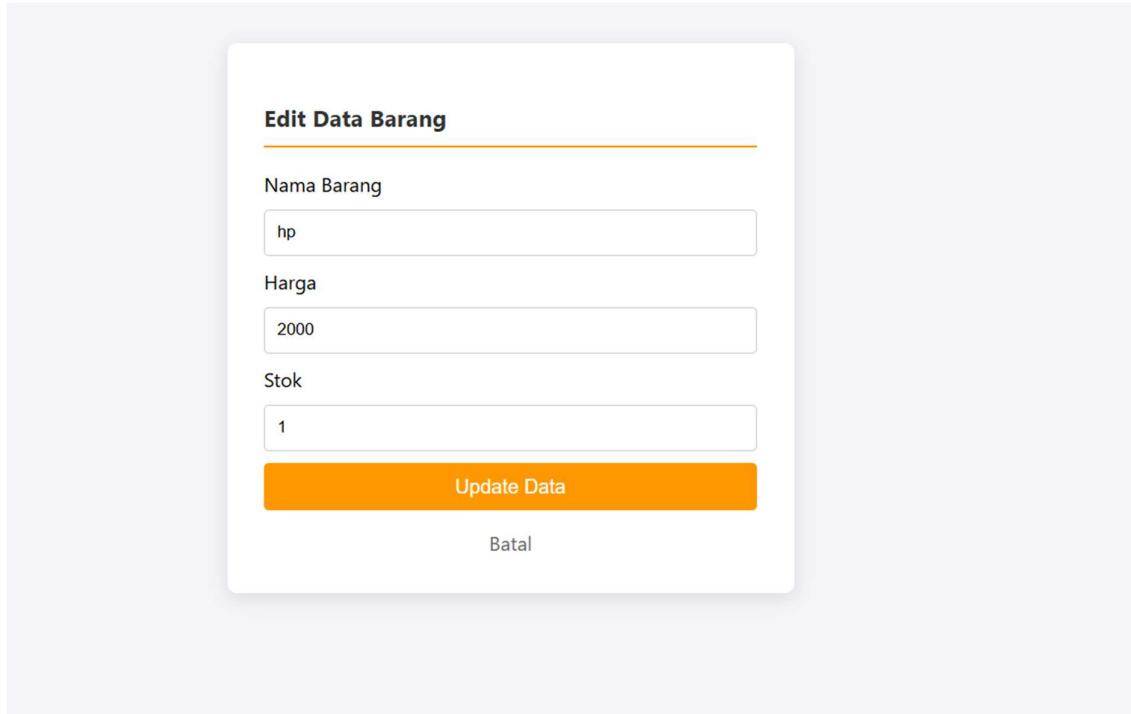
Kembali

Barangnya nambah

Daftar Barang

+ Tambah Barang

No	Nama Barang	Harga	Stok	Aksi	
1	Laptop Asus	Rp 8000000	5	Edit	Hapus
2	Mouse Logitech	Rp 150000	20	Edit	Hapus
3	Keyboard Mechanical	Rp 500000	10	Edit	Hapus
4	hp	Rp 2000	1	Edit	Hapus

Edit Data Barang

Nama Barang

hp

Harga

2000

Stok

1

Update Data

Batal

Edit Data Barang

Nama Barang

hp oppo

Harga

2000

Stok

10

Update Data

Batal

Barangnya teredit

Daftar Barang

+ Tambah Barang

No	Nama Barang	Harga	Stok	Aksi
1	Laptop Asus	Rp 8000000	5	Edit Hapus
2	Mouse Logitech	Rp 150000	20	Edit Hapus
3	Keyboard Mechanical	Rp 500000	10	Edit Hapus
4	hp oppo	Rp 2000	10	Edit Hapus

localhost:8083 says

Yakin ingin menghapus barang ini?

OK   Cancel

Daftar Barang

+ Tambah Barang

No	Nama Barang	Harga	Stok	Aksi
1	Laptop Asus	Rp 8000000	5	Edit Hapus
2	Mouse Logitech	Rp 150000	20	Edit Hapus
3	Keyboard Mechanical	Rp 500000	10	Edit Hapus
4	hp oppo	Rp 2000	10	Edit Hapus

Barangnya terhapus

Daftar Barang

+ Tambah Barang

No	Nama Barang	Harga	Stok	Aksi
1	Laptop Asus	Rp 8000000	5	Edit Hapus
2	Mouse Logitech	Rp 150000	20	Edit Hapus
3	Keyboard Mechanical	Rp 500000	10	Edit Hapus

1. Buat database atau table data di localhost/php/myadmin

Run SQL query/queries on server "127.0.0.1": ⍰

```
1  -- 1. Buat Database
2  CREATE DATABASE db_barang;
3
4  -- Gunakan Database
5  USE db_barang;
6
7  -- 2. Buat Table barang
8  CREATE TABLE barang (
9      id INT AUTO_INCREMENT PRIMARY KEY,
10     nama_barang VARCHAR(100),
11     harga INT,
12     stok INT
13 );
14
15 -- Masukkan Data Dummy
```

Clear   Format   Get auto-saved query

2. table database sudah terbuat

3. buat project

New Project

Steps

1. **Choose Project**
2. ...

Choose Project

Filter:

Categories:

- Java with Maven
- Java with Gradle
- ∨ Java with Ant
  - JavaFX
  - Java Web
  - Java Enterprise
  - NetBeans Modules
- HTML5/JavaScript
- Groovy with Gradle
- C/C++
- PHP

Projects:

- Web Application
- Web Application with Existing Sources
- webfreeform.xml

Description:

Creates an empty Web application in a standard IDE project. A standard project uses an **IDE-generated build script** to build, run, and debug your project.

< Back | Next > | Finish | Cancel | Help

New Web Application

Steps

1. Choose Project
2. Name and Location
3. **Server and Settings**
4. Frameworks

Server and Settings

Add to Enterprise Application: <None>

Server: Apache Tomcat or TomEE (1) | Add...

Java EE Version: Java EE 7 Web

Context Path: /WebApplication1

< Back | Next > | Finish | Cancel | Help
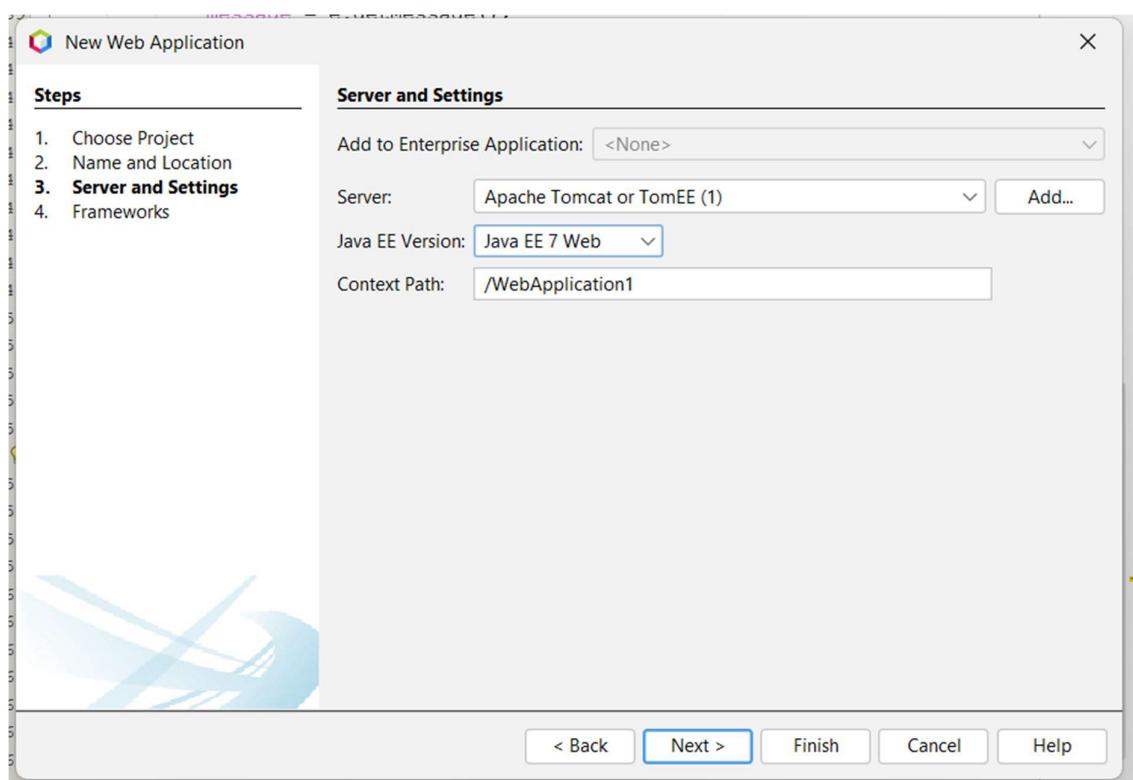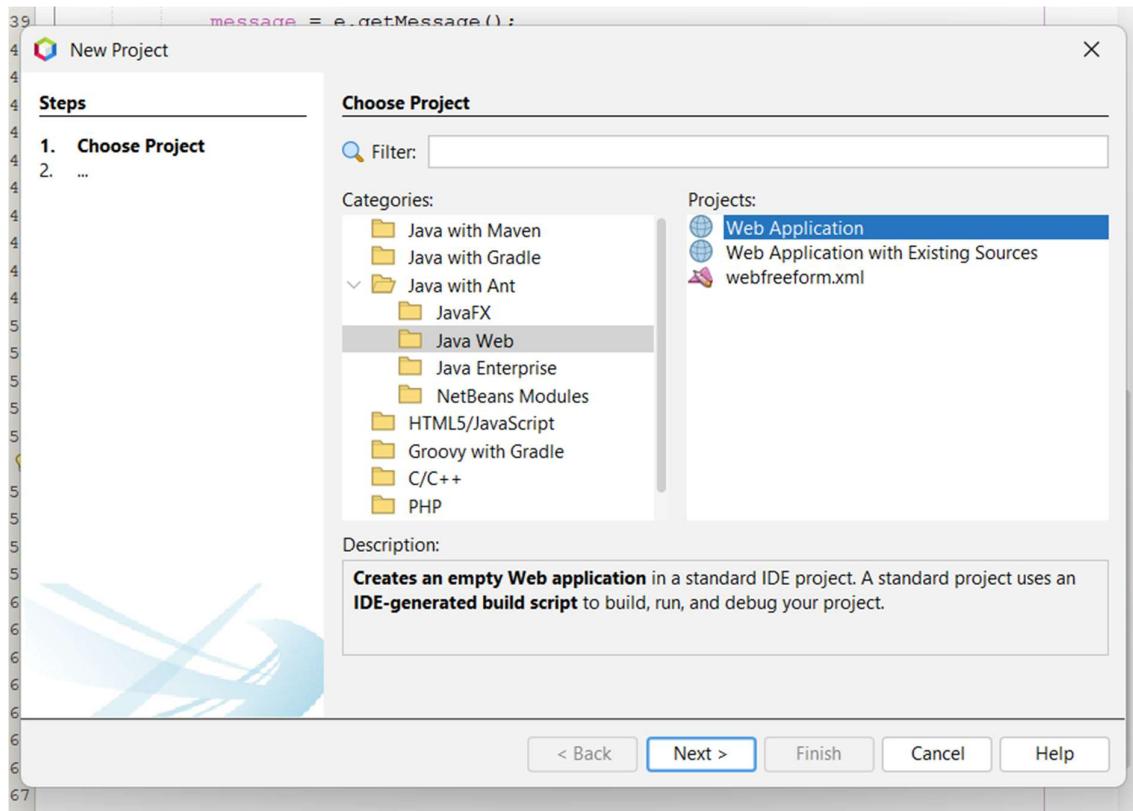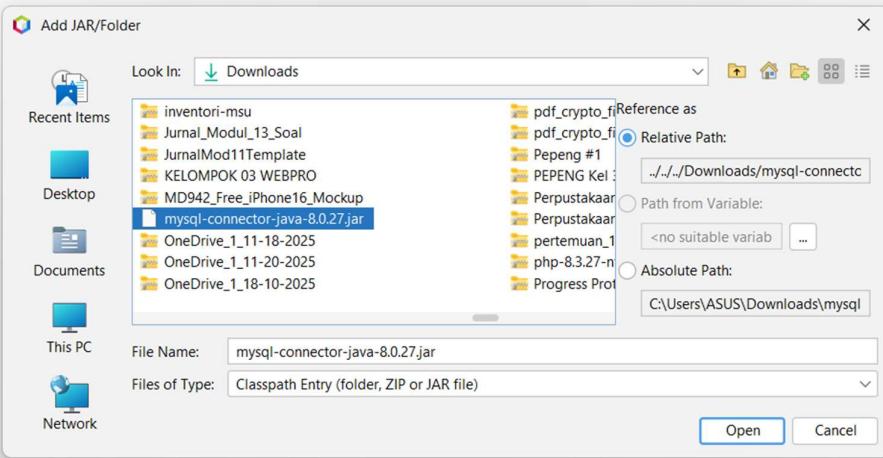
4. add connector

5. buat JDBC class

```
 4    */
 5    package Koneksi;
 6
 7    import java.sql.Connection;
 8    import java.sql.DriverManager;
 9    import java.sql.SQLException;
10
11    public class koneksi {
12        private static Connection koneksi;
13
14        public static Connection getKoneksi() {
15            if (koneksi == null) {
16                try {
17                    String url = "jdbc:mysql://localhost:3306/db_barang";
18                    String user = "root";
19                    String password = "";
20
21                    DriverManager.registerDriver(new com.mysql.jdbc.Driver());
22                    koneksi = DriverManager.getConnection(url, user, password);
23                } catch (SQLException e) {
24                    System.out.println("Error Koneksi: " + e.getMessage());
25                }
26            }
27            return koneksi;
28        }
29    }
```

6. buat index.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Login Admin</title>
    <style>
        body {
            font-family: 'Segoe UI', sans-serif;
            background-color: #f4f4f9;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
        }
        .login-card {
            background: white;
            padding: 40px;
            border-radius: 8px;
            box-shadow: 0 4px 15px rgba(0,0,0,0.1);
            width: 300px;
            text-align: center;
        }
        h2 { color: #333; margin-bottom: 20px; border-bottom: 2px solid #4CAF50; display: inline-block; padding-bottom: 5px; }
        input[type="text"], input[type="password"] {
            width: 100%;
            padding: 12px;
            margin: 10px 0;
            box-sizing: border-box;
            border: 1px solid #ccc;
            border-radius: 5px;
        }

        }
        button {
            background-color: #4CAF50;
            color: white;
            padding: 12px;
            border: none;
            border-radius: 5px;
            width: 100%;
            cursor: pointer;
            font-size: 16px;
            margin-top: 10px;
            font-weight: bold;
        }
        button:hover { background-color: #45a049; }
        .error { color: #f44336; font-size: 14px; margin-top: 15px; }
    </style>
</head>
<body>

    <div class="login-card">
        <h2>Silahkan Login</h2>

        <form method="POST" action="index.jsp">
            <input type="text" name="username" placeholder="Username (admin)" required>
            <input type="password" name="password" placeholder="Password (1234)" required>
            <button type="submit">LOGIN</button>
        </form>

        <%
            String u = request.getParameter("username");
            String p = request.getParameter("password");

            if (u != null && p != null) {
                // Sesuai soal: username "admin", password "1234"
                if (u.equals("admin") && p.equals("1234")) {
```
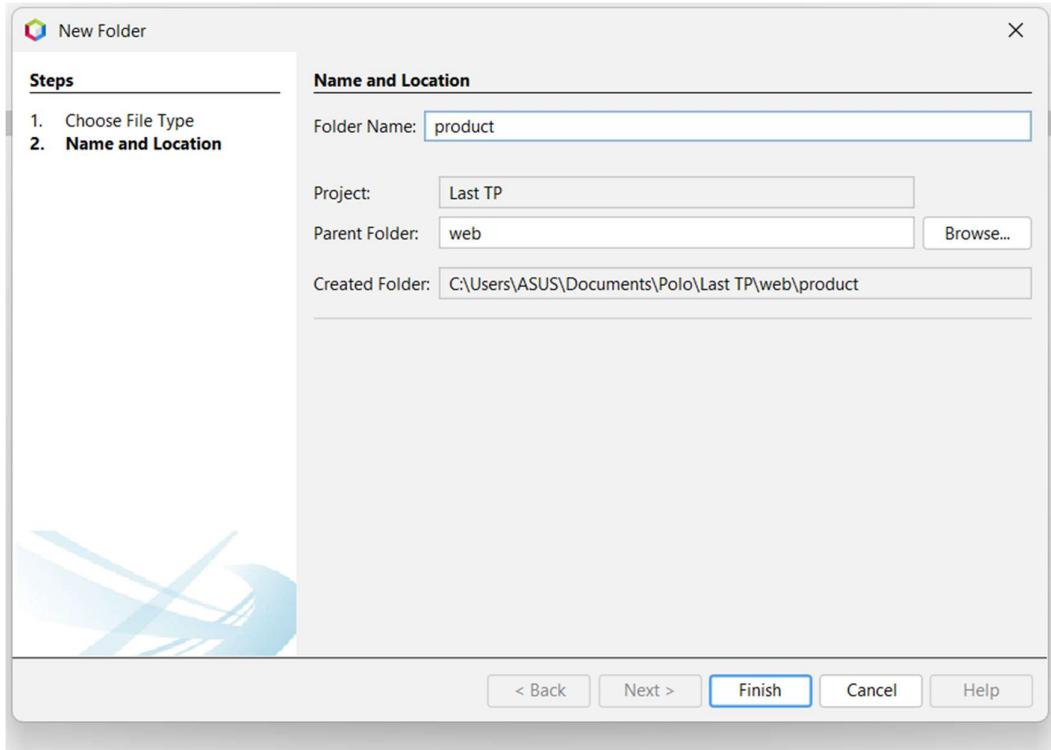
```
                        // Redirect masuk ke dalam folder product
                        response.sendRedirect("product/view.jsp");
                    } else {
                        out.print("<div class='error'>Username atau Password salah!</div>");
                    }
                }
            %>
        </div>

    </body>
    </html>
```

7. buat folder product

8. buaat add.jsp

```jsp
<%@page import="java.sql.*, Koneksi.koneksi"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Tambah Barang</title>
    <style>
        body { font-family: 'Segoe UI', sans-serif; background: #f4f4f9; display: flex; justify-content: center; padding-top: 50px; }
        .card { background: white; padding: 30px; border-radius: 8px; width: 400px; box-shadow: 0 4px 15px rgba(0,0,0,0.1); }
        h3 { border-bottom: 2px solid #4CAF50; padding-bottom: 10px; color: #333; }
        input { width: 100%; padding: 10px; margin: 10px 0; border: 1px solid #ccc; border-radius: 4px; box-sizing: border-box; }
        button { background: #4CAF50; color: white; padding: 10px; width: 100%; border: none; border-radius: 4px; cursor: pointer; font-size: 16px; }
        .back { display: block; text-align: center; margin-top: 15px; color: #666; text-decoration: none; }
    </style>
</head>
<body>
    <div class="card">
        <h3>Tambah Barang Baru</h3>
        <%
            if (request.getMethod().equalsIgnoreCase("POST")) {
                try {
                    Connection conn = koneksi.getKoneksi();
                    String sql = "INSERT INTO barang (nama_barang, harga, stok) VALUES (?, ?, ?)";
                    PreparedStatement ps = conn.prepareStatement(sql);
                    ps.setString(1, request.getParameter("nama"));
                    ps.setInt(2, Integer.parseInt(request.getParameter("harga")));
                    ps.setInt(3, Integer.parseInt(request.getParameter("stok")));
                    ps.executeUpdate();
                    response.sendRedirect("view.jsp");
                } catch (Exception e) { out.println("Error: " + e.getMessage()); }
            }
        %>
        <form method="POST">
            <label>Nama Barang</label><input type="text" name="nama" required>
            <label>Harga</label><input type="number" name="harga" required>
            <label>Stok</label><input type="number" name="stok" required>
            <button type="submit">Simpan</button>
        </form>
        <a href="view.jsp" class="back">Kembali</a>
    </div>
</body>
</html>
```

10. buat view.jsp

```jsp
<%@page import="java.sql.*, Koneksi.koneksi"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Data Barang</title>
    <style>
        body { font-family: 'Segoe UI', sans-serif; background: #f4f4f9; padding: 20px; }
        .container { max-width: 900px; margin: 0 auto; background: white; padding: 30px; border-radius: 8px; box-shadow: 0 2px 10px rgba(0,0,0,0.1); }
        h2 { color: #333; border-bottom: 2px solid #4CAF50; padding-bottom: 10px; display: inline-block; }
        table { width: 100%; border-collapse: collapse; margin-top: 20px; }
        th, td { padding: 12px; text-align: left; border-bottom: 1px solid #ddd; }
        th { background: #333; color: white; }
        .btn-add { background: #4CAF50; color: white; padding: 10px 15px; text-decoration: none; border-radius: 4px; float: right; font-weight: bold;}
        .action { text-decoration: none; padding: 5px 10px; border-radius: 4px; color: white; font-size: 14px; margin-right: 5px; }
        .edit { background: #ff9800; }
        .del { background: #f44336; }
    </style>
    <script>
        function confirmDelete() { return confirm("Yakin ingin menghapus barang ini?"); }
    </script>
</head>
<body>
    <div class="container">
        <h2>Daftar Barang</h2>
        <a href="add.jsp" class="btn-add">+ Tambah Barang</a>

        <table>
            <thead>
                <tr>
                    <th>No</th>
                    <th>Nama Barang</th>
                    <th>Harga</th>
                    <th>Stok</th>
```

```
                    </thead>
                    <tbody>
                        <%
                            try {
                                Connection conn = koneksi.getKoneksi();
                                Statement st = conn.createStatement();
                                ResultSet rs = st.executeQuery("SELECT * FROM barang");
                                int no = 1;
                                while (rs.next()) {
                        %>
                        <tr>
                            <td><%= no++ %></td>
                            <td><%= rs.getString("nama_barang") %></td>
                            <td>Rp <%= rs.getString("harga") %></td>
                            <td><%= rs.getString("stok") %></td>
                            <td>
                                <a href="edit.jsp?id=<%= rs.getString("id") %>" class="action edit">Edit</a>
                                <a href="delete_process.jsp?id=<%= rs.getString("id") %>" onclick="return confirmDelete()" class="action del">Hapus</a>
                            </td>
                        </tr>
                        <%
                                }
                            } catch (Exception e) { out.print(e.getMessage()); }
                        %>
                    </tbody>
                </table>
            </div>
        </body>
    </html>
```

11. buat edit.jsp

```
<%@page import="java.sql.*, Koneksi.koneksi"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
    <title>Edit Barang</title>
    <style>
        body { font-family: 'Segoe UI', sans-serif; background: #f4f4f9; display: flex; justify-content: center; padding-top: 50px; }
        .card { background: white; padding: 30px; border-radius: 8px; width: 400px; box-shadow: 0 4px 15px rgba(0,0,0,0.1); }
        h3 { border-bottom: 2px solid #ff9800; padding-bottom: 10px; color: #333; }
        input { width: 100%; padding: 10px; margin: 10px 0; border: 1px solid #ccc; border-radius: 4px; box-sizing: border-box; }
        button { background: #ff9800; color: white; padding: 10px; width: 100%; border: none; border-radius: 4px; cursor: pointer; font-size: 16px; }
        .back { display: block; text-align: center; margin-top: 15px; color: #666; text-decoration: none; }
    </style>
</head>
<body>
    <div class="card">
        <h3>Edit Data Barang</h3>
        <%
            String id = request.getParameter("id");
            String nama="", harga="", stok="";

            // Logika UPDATE
            if (request.getMethod().equalsIgnoreCase("POST")) {
                try {
                    Connection conn = koneksi.getKoneksi();
                    PreparedStatement ps = conn.prepareStatement("UPDATE barang SET nama_barang=?, harga=?, stok=? WHERE id=?");
                    ps.setString(1, request.getParameter("nama"));
                    ps.setInt(2, Integer.parseInt(request.getParameter("harga")));
                    ps.setInt(3, Integer.parseInt(request.getParameter("stok")));
                    ps.setString(4, id);
                    ps.executeUpdate();
                    response.sendRedirect("view.jsp");
                } catch (Exception e) { out.println("Error Update: " + e.getMessage()); }
            }
```

```jsp
        // Logika AMBIL DATA LAMA
        try {
            Connection conn = koneksi.getKoneksi();
            PreparedStatement ps = conn.prepareStatement("SELECT * FROM barang WHERE id=?");
            ps.setString(1, id);
            ResultSet rs = ps.executeQuery();
            if(rs.next()){
                nama = rs.getString("nama_barang");
                harga = rs.getString("harga");
                stok = rs.getString("stok");
            }
        } catch(Exception e){}
    %>
    <form method="POST">
        <input type="hidden" name="id" value="<%= id %>">
        <label>Nama Barang</label><input type="text" name="nama" value="<%= nama %>" required>
        <label>Harga</label><input type="number" name="harga" value="<%= harga %>" required>
        <label>Stok</label><input type="number" name="stok" value="<%= stok %>" required>
        <button type="submit">Update Data</button>
    </form>
    <a href="view.jsp" class="back">Batal</a>
    </div>
</body>
</html>
```

12. buat delete

```jsp
        // Logika AMBIL DATA LAMA
        try {
            Connection conn = koneksi.getKoneksi();
            PreparedStatement ps = conn.prepareStatement("SELECT * FROM barang WHERE id=?");
            ps.setString(1, id);
            ResultSet rs = ps.executeQuery();
            if(rs.next()){
                nama = rs.getString("nama_barang");
                harga = rs.getString("harga");
                stok = rs.getString("stok");
            }
        } catch(Exception e){}
    %>
    <form method="POST">
        <input type="hidden" name="id" value="<%= id %>">
        <label>Nama Barang</label><input type="text" name="nama" value="<%= nama %>" required>
        <label>Harga</label><input type="number" name="harga" value="<%= harga %>" required>
        <label>Stok</label><input type="number" name="stok" value="<%= stok %>" required>
        <button type="submit">Update Data</button>
    </form>
    <a href="view.jsp" class="back">Batal</a>
    </div>
</body>
</html>
```