

# TP MOD 15

Penambahan fitur **Login** dan **Delete** dari project TP13

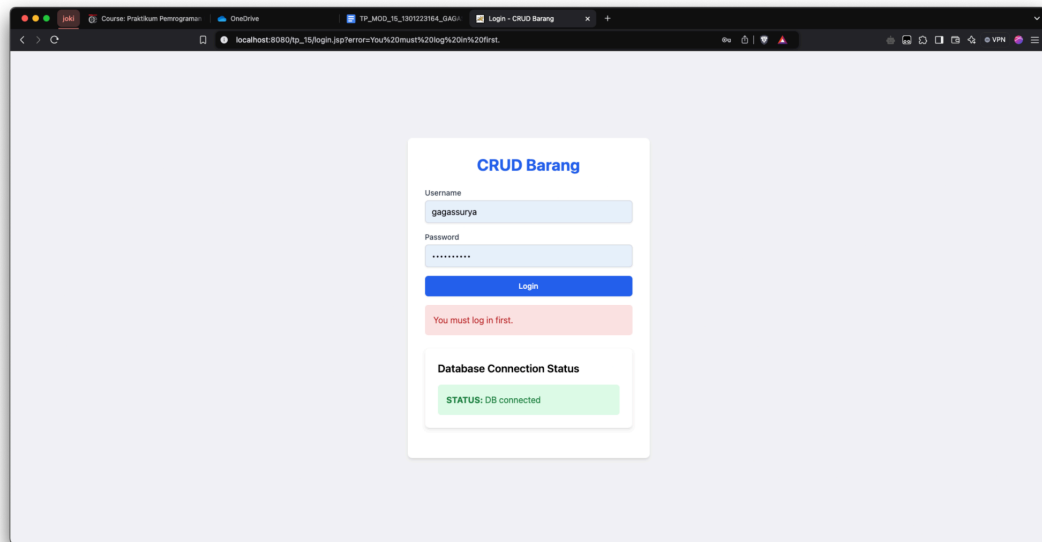
**Nama:** Gagas Surya Laksana

**NIM:** 1301223164

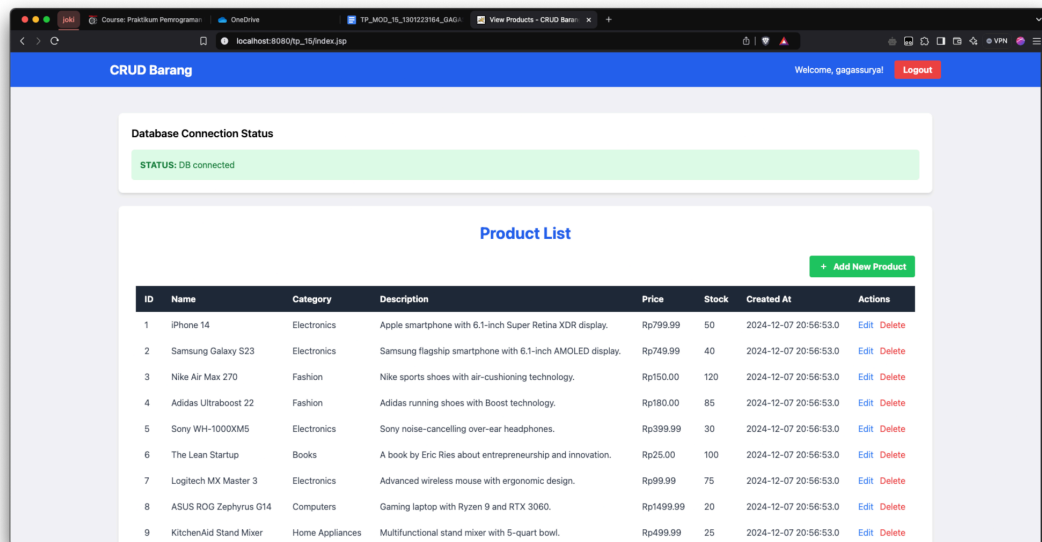
**Kelas:** IF-46-10

## Demo

### 1. login.jsp



### 2. index.jsp



### 3. /product/add.jsp

A screenshot of a web browser displaying the 'Add New Product' form. The browser's address bar shows 'localhost:8080/tp\_13/product/add.jsp'. The form is centered on a light gray background and contains the following fields: 'Name' (filled with 'iphone 12 mini'), 'Category' (filled with 'apple'), 'Description' (filled with 'iphone 12 mini 128GB'), 'Price' (filled with '700'), and 'Stock' (filled with '4'). At the bottom of the form are two buttons: 'Add Product' and 'Back to Product List'.

**Add New Product**

Name  
iphone 12 mini

Category  
apple

Description  
iphone 12 mini 128GB

Price  
700

Stock  
4

[Add Product](#) [Back to Product List](#)

### 4. /product/edit.jsp

A screenshot of a web browser displaying the 'Edit Product' form. The browser's address bar shows 'localhost:8080/tp\_13/barangServlet?action=edit&id=17'. The form is centered on a light gray background and contains the following fields: 'Name' (filled with 'iphone 15 pro'), 'Category' (filled with 'iphone'), 'Description' (filled with 'iphone 15 pro 256GB'), 'Price' (filled with '14000'), and 'Stock' (filled with '5'). At the bottom of the form are two buttons: 'Update Product' and 'Back to Product List'.

**Edit Product**

Name  
iphone 15 pro

Category  
iphone

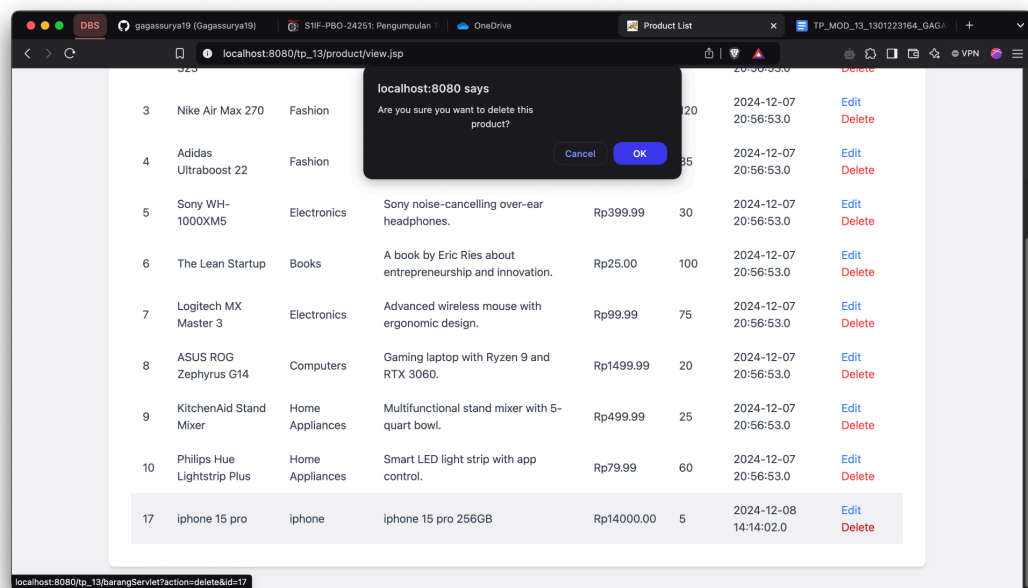
Description  
iphone 15 pro 256GB

Price  
14000

Stock  
5

[Update Product](#) [Back to Product List](#)

## 5. delete



### Query untuk membuat database

```
CREATE DATABASE db_barang;
```

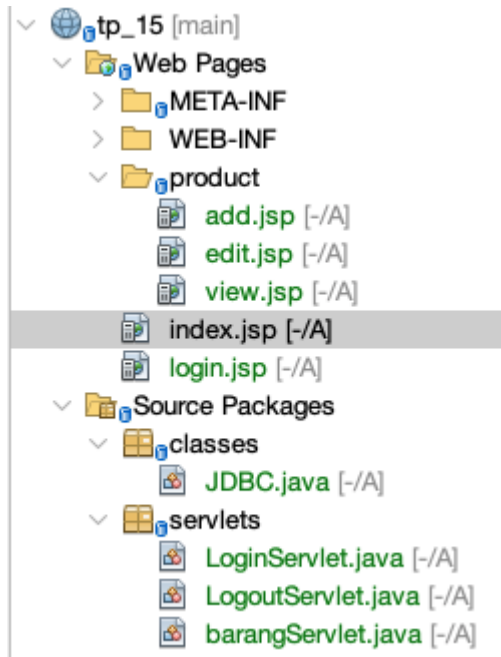
```
CREATE TABLE products (  
  id INT AUTO_INCREMENT PRIMARY KEY,  
  name VARCHAR(255) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT  
  NULL,  
  category VARCHAR(100) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci  
  NOT NULL,  
  description TEXT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci,  
  price DECIMAL(10,2) NOT NULL,  
  stock INT NOT NULL,  
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP  
);
```

```
CREATE TABLE `user` (  
  `id` int NOT NULL AUTO_INCREMENT,  
  `username` varchar(255) DEFAULT NULL,  
  `password` varchar(255) DEFAULT NULL,  
  PRIMARY KEY (`id`)  
) ENGINE=InnoDB AUTO_INCREMENT=3 DEFAULT CHARSET=utf8mb4  
COLLATE=utf8mb4_0900_ai_ci;
```

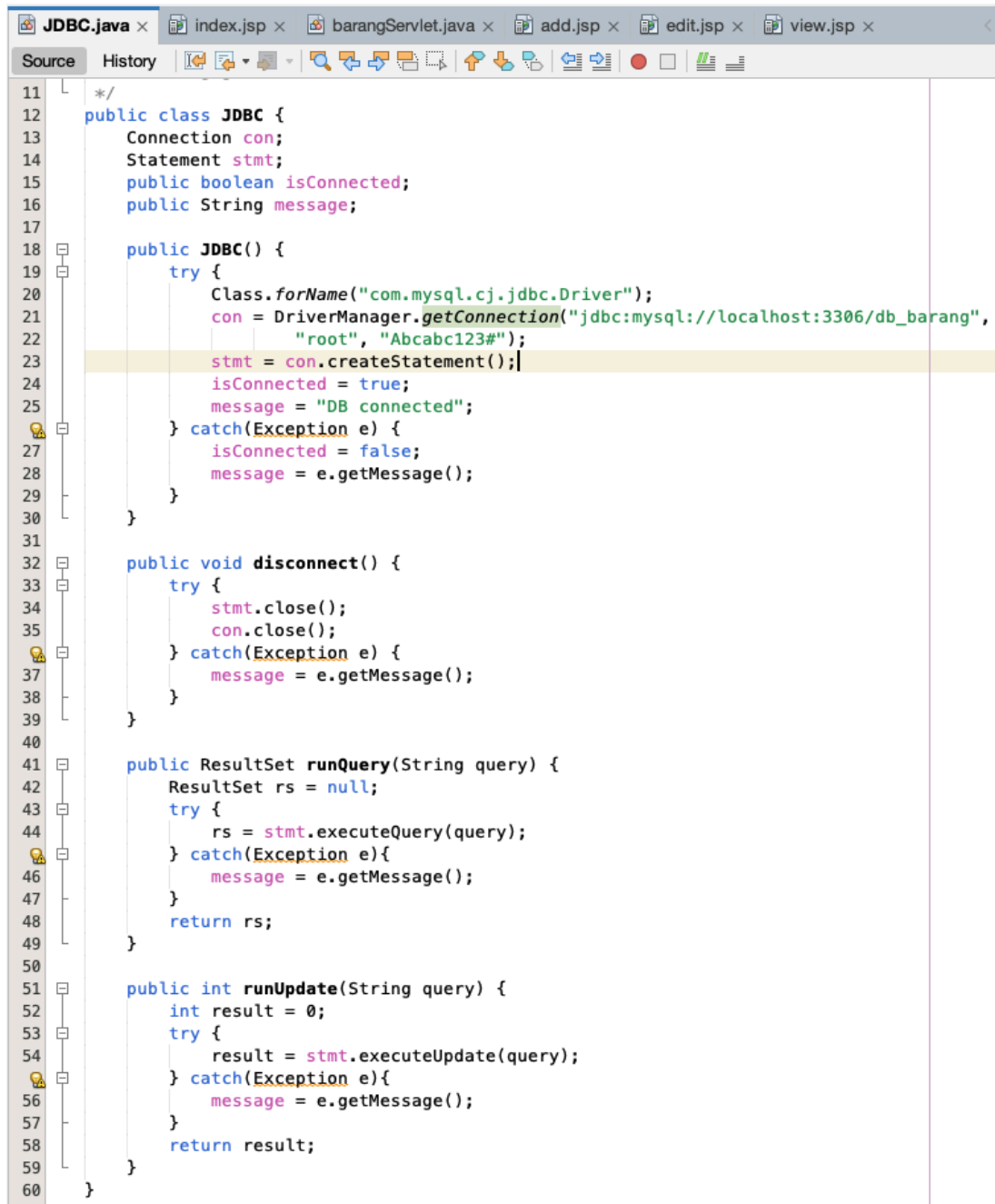
```
INSERT INTO `user` (`id`, `username`, `password`) VALUES  
(1, 'admin', 'admin'),  
(2, 'gagassurya', 'gagassurya');
```

## Step by step

1. Import mysql connector dan membuat stuktur direktori seperti gambar berikut:



## 2. Code pada classes/JDBC.java

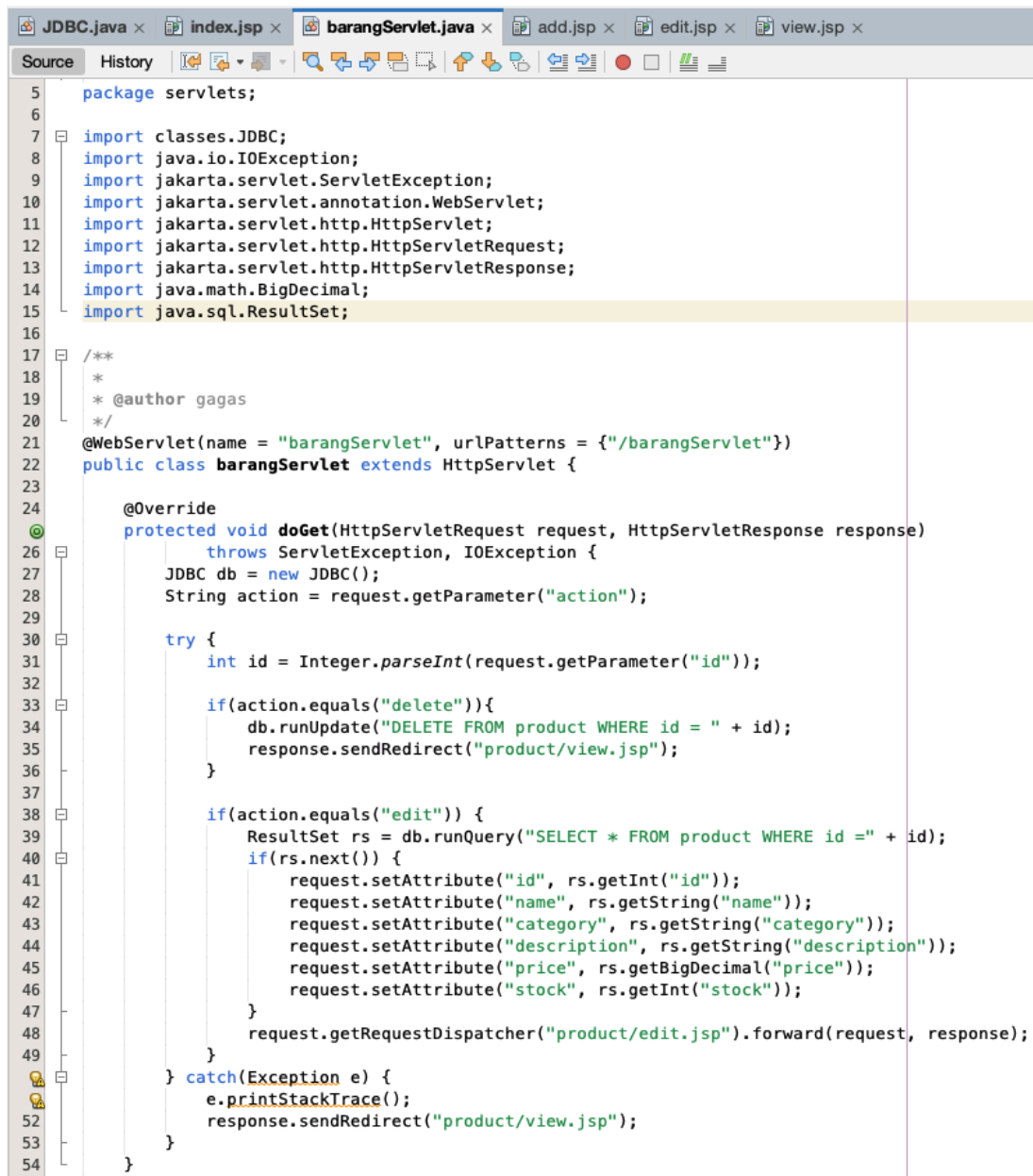


```
11  /*
12  public class JDBC {
13      Connection con;
14      Statement stmt;
15      public boolean isConnected;
16      public String message;
17
18      public JDBC() {
19          try {
20              Class.forName("com.mysql.cj.jdbc.Driver");
21              con = DriverManager.getConnection("jdbc:mysql://localhost:3306/db_barang",
22                  "root", "Abcab123#");
23              stmt = con.createStatement();
24              isConnected = true;
25              message = "DB connected";
26          } catch (Exception e) {
27              isConnected = false;
28              message = e.getMessage();
29          }
30      }
31
32      public void disconnect() {
33          try {
34              stmt.close();
35              con.close();
36          } catch (Exception e) {
37              message = e.getMessage();
38          }
39      }
40
41      public ResultSet runQuery(String query) {
42          ResultSet rs = null;
43          try {
44              rs = stmt.executeQuery(query);
45          } catch (Exception e) {
46              message = e.getMessage();
47          }
48          return rs;
49      }
50
51      public int runUpdate(String query) {
52          int result = 0;
53          try {
54              result = stmt.executeUpdate(query);
55          } catch (Exception e) {
56              message = e.getMessage();
57          }
58          return result;
59      }
60  }
```

3. Code pada index.jsp (penambahan pada check session untuk login dan import page product secara langsung di index.js)

```
index.jsp [-/A] x login.jsp [-/A] x LoginServlet.java [-/A] x LogoutServlet.java [-/A] x view.jsp [-/A] x barangServlet.java [-/A] x edit.jsp [-/A] x add.jsp [-/A] x JDBC.java [-/A]
Source History
1 <%@page import="classes.JDBC, java.sql.ResultSet"%>
2 <%@page contentType="text/html" pageEncoding="UTF-8"%>
3 <%@page import="jakarta.servlet.http.HttpSession"%>
4
5 if (session == null || session.getAttribute("username") == null) {
6     response.sendRedirect("login.jsp?error=You must log in first.");
7     return;
8 }
9
10 JDBC db = new JDBC();
11
12 <!DOCTYPE html>
13 <html lang="en">
14 <head>
15 <meta charset="UTF-8">
16 <meta name="viewport" content="width=device-width, initial-scale=1.0">
17 <title>View Products - CRUD Barang</title>
18 <script src="https://cdn.tailwindcss.com"></script>
19 </head>
20 <body class="bg-gray-100 min-h-screen">
21 <nav class="bg-blue-600 text-white p-4">
22 <div class="container mx-auto flex justify-between items-center">
23 <h1 class="text-2xl font-bold">CRUD Barang</h1>
24 <div>
25 <span class="mr-4">Welcome, <%= session.getAttribute("username") %>!</span>
26 <a href="LogoutServlet" class="bg-red-500 hover:bg-red-600 text-white font-bold py-2 px-4 rounded transition duration-300">Logout</a>
27 </div>
28 </div>
29 </nav>
30
31 <main class="container mx-auto mt-8 p-4">
32 <div class="bg-white rounded-lg shadow-md p-6 mb-6">
33 <h2 class="text-xl font-semibold mb-4">Database Connection Status</h2>
34 <div class="p-4 rounded-md <%= db.isConnected ? "bg-green-100 text-green-700" : "bg-red-100 text-red-700" %>>
35 <p>
36 <strong>STATUS:</strong>
37 <%= db.isConnected ? db.message : "Gagal terkoneksi ke database; " + db.message %>
38 </p>
39 </div>
40 </div>
41 </div>
42
43 <!-- Include view.jsp -->
44 <jsp:include page="product/view.jsp" />
45 </main>
46 </body>
47 </html>
```

#### 4. Code pada servlets/barangServlet.java



```
5 package servlets;
6
7 import classes.JDBC;
8 import java.io.IOException;
9 import jakarta.servlet.ServletException;
10 import jakarta.servlet.annotation.WebServlet;
11 import jakarta.servlet.http.HttpServlet;
12 import jakarta.servlet.http.HttpServletRequest;
13 import jakarta.servlet.http.HttpServletResponse;
14 import java.math.BigDecimal;
15 import java.sql.ResultSet;
16
17 /**
18  *
19  * @author gagas
20  */
21 @WebServlet(name = "barangServlet", urlPatterns = {"/barangServlet"})
22 public class barangServlet extends HttpServlet {
23
24     @Override
25     protected void doGet(HttpServletRequest request, HttpServletResponse response)
26         throws ServletException, IOException {
27         JDBC db = new JDBC();
28         String action = request.getParameter("action");
29
30         try {
31             int id = Integer.parseInt(request.getParameter("id"));
32
33             if(action.equals("delete")){
34                 db.runUpdate("DELETE FROM product WHERE id = " + id);
35                 response.sendRedirect("product/view.jsp");
36             }
37
38             if(action.equals("edit")) {
39                 ResultSet rs = db.runQuery("SELECT * FROM product WHERE id =" + id);
40                 if(rs.next()) {
41                     request.setAttribute("id", rs.getInt("id"));
42                     request.setAttribute("name", rs.getString("name"));
43                     request.setAttribute("category", rs.getString("category"));
44                     request.setAttribute("description", rs.getString("description"));
45                     request.setAttribute("price", rs.getBigDecimal("price"));
46                     request.setAttribute("stock", rs.getInt("stock"));
47                 }
48                 request.getRequestDispatcher("product/edit.jsp").forward(request, response);
49             }
50         } catch (Exception e) {
51             e.printStackTrace();
52             response.sendRedirect("product/view.jsp");
53         }
54     }
55 }
```

```

JDBC.java x index.jsp x barangServlet.java x add.jsp x edit.jsp x view.jsp x
Source History
48 }
49 }
50 } catch(Exception e) {
51     e.printStackTrace();
52     response.sendRedirect("product/view.jsp");
53 }
54 }
55
56 @Override
57 protected void doPost(HttpServletRequest request, HttpServletResponse response)
58     throws ServletException, IOException {
59     JDBC db = new JDBC();
60     String action = request.getParameter("action");
61
62     try {
63         String name = request.getParameter("name");
64         String category = request.getParameter("category");
65         String description = request.getParameter("description");
66         BigDecimal price = new BigDecimal(request.getParameter("price"));
67         int stock = Integer.parseInt(request.getParameter("stock"));
68
69         if(action.equals("create")) {
70             String query = "INSERT INTO product (name, category, description, price, stock) "
71                 + "VALUES ('" + name + "', '" + category + "', '" + description + "', "
72                 + price + ", " + stock + ")";
73             db.runUpdate(query);
74             response.sendRedirect("product/view.jsp");
75         }
76
77         if(action.equals("update")) {
78             int id = Integer.parseInt(request.getParameter("id"));
79             String query = "UPDATE product SET name = '" + name + "', category = '" + category
80                 + "', description = '" + description + "', price = " + price
81                 + ", stock = " + stock + " WHERE id = " + id;
82             db.runUpdate(query);
83             response.sendRedirect("product/view.jsp");
84         }
85     } catch(Exception e) {
86         e.printStackTrace();
87         response.sendRedirect("product/view.jsp");
88     }
89 }
90
91 @Override
92 public String getServletInfo() {
93     return "Short description";
94 } // </editor-fold>
95
96 }
97

```

5. Code pada /product/view.jsp (penambahan pada check session untuk login)

```

1 <%@page import="classes.JDBC, java.sql.ResultSet"%>
2 <%@page contentType="text/html" pageEncoding="UTF-8"%>
3 <%@page import="jakarta.servlet.http.HttpSession"%>
4 <%
5     if (session == null || session.getAttribute("username") == null) {
6         response.sendRedirect("../login.jsp?error=You must log in first.");
7         return;
8     }
9 %>

```



```
JDBC.java x index.jsp x barangServlet.java x add.jsp x edit.jsp x view.jsp x
Source History
1 <%@page import="classes.JDBC, java.sql.ResultSet"%>
2 <%@page contentType="text/html" pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6 <meta charset="UTF-8">
7 <meta name="viewport" content="width=device-width, initial-scale=1.0">
8 <title>Product List</title>
9 <script src="https://cdn.tailwindcss.com"></script>
10 </head>
11 <body class="bg-gray-100 min-h-screen p-8">
12 <div class="max-w-6xl mx-auto bg-white rounded-lg shadow-md p-8">
13 <h1 class="text-3xl font-bold mb-6 text-center text-blue-600">Product List</h1>
14
15 <!-- Flex container with justify-between -->
16 <div class="flex justify-between mb-4">
17 <div>
18 <a href=" ../index.jsp" class="bg-blue-500 hover:bg-blue-600 text-white font-bold
19 py-2 px-4 rounded inline-flex items-center">
20 Back to home
21 </a>
22 </div>
23 <div>
24 <a href="add.jsp" class="bg-green-500 hover:bg-green-600 text-white font-bold py-2
25 px-4 rounded inline-flex items-center">
26 <svg xmlns="http://www.w3.org/2000/svg" class="h-5 w-5 mr-2" viewBox="0 0 20
27 20" fill="currentColor">
28 <path fill-rule="evenodd" d="M10 5a1 1 0 011 1v3h3a1 1 0 10 2h-3v3a1 1 0
29 11-2 0v-3H6a1 1 0 10-2h3V6a1 1 0 011-1z" clip-rule="evenodd" />
30 </svg>
31 Add New Product
32 </a>
33 </div>
34 </div>
35
36 <div class="overflow-x-auto">
37 <table class="min-w-full bg-white">
38 <thead class="bg-gray-800 text-white">
39 <tr>
40 <th class="py-3 px-4 text-left">ID</th>
41 <th class="py-3 px-4 text-left">Name</th>
42 <th class="py-3 px-4 text-left">Category</th>
43 <th class="py-3 px-4 text-left">Description</th>
44 <th class="py-3 px-4 text-left">Price</th>
45 <th class="py-3 px-4 text-left">Stock</th>
46 <th class="py-3 px-4 text-left">Created At</th>
47 <th class="py-3 px-4 text-left">Actions</th>
48 </tr>
49 </thead>
50 <tbody class="text-gray-700">
51 <!-- -->
-->
```

```

JDBC.java x index.jsp x barangServlet.java x add.jsp x edit.jsp x view.jsp x
17 <div>
36 <div class="overflow-x-auto">
37 <table class="min-w-full bg-white">
38 <thead class="bg-gray-800 text-white">
39 <tr>
40 <th class="py-3 px-4 text-left">ID</th>
41 <th class="py-3 px-4 text-left">Name</th>
42 <th class="py-3 px-4 text-left">Category</th>
43 <th class="py-3 px-4 text-left">Description</th>
44 <th class="py-3 px-4 text-left">Price</th>
45 <th class="py-3 px-4 text-left">Stock</th>
46 <th class="py-3 px-4 text-left">Created At</th>
47 <th class="py-3 px-4 text-left">Actions</th>
48 </tr>
49 </thead>
50 <tbody class="text-gray-700">
51 <%
52 JDBC db = new JDBC();
53 ResultSet rs = db.runQuery("SELECT * FROM product");
54 while (rs.next()) {
55 <%
56 <tr class="hover:bg-gray-100">
57 <td class="py-3 px-4"><%= rs.getInt("id") %></td>
58 <td class="py-3 px-4"><%= rs.getString("name") %></td>
59 <td class="py-3 px-4"><%= rs.getString("category") %></td>
60 <td class="py-3 px-4"><%= rs.getString("description") %></td>
61 <td class="py-3 px-4"><%= rs.getBigDecimal("price") %></td>
62 <td class="py-3 px-4"><%= rs.getInt("stock") %></td>
63 <td class="py-3 px-4"><%= rs.getTimestamp("created_at") %></td>
64 <td class="py-3 px-4">
65 <a href="..barangServlet?action=edit&id=<%= rs.getInt("id") %>"
66 class="text-blue-500 hover:text-blue-700 mr-2">Edit</a>
67 <a href="..barangServlet?action=delete&id=<%= rs.getInt("id") %>"
68 class="text-red-500 hover:text-red-700"
69 onclick="return confirm('Are you sure you want to delete this \n\
70 product?')">Delete</a>
71 </td>
72 </tr>
73 <%
74 }
75 db.disconnect();
76 <%
77 </tbody>
78 </table>
79 </div>
80 </div>
81 </body>
82 </html>
83
84

```

## 6. Code pada /product/edit.jsp (penambahan pada check session untuk login)

```

1 <%@page import="classes.JDBC, java.sql.ResultSet"%>
2 <%@page contentType="text/html" pageEncoding="UTF-8"%>
3 <%@page import="jakarta.servlet.http.HttpSession"%>
4 <%
5 if (session == null || session.getAttribute("username") == null) {
6 response.sendRedirect("../login.jsp?error=You must log in first.");
7 return;
8 }
9 <%

```

```
JDBC.java x index.jsp x barangServlet.java x add.jsp x edit.jsp x view.jsp x
Source History
1 <%@page import="classes.JDBC"%>
2 <%@page contentType="text/html" pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6 <meta charset="UTF-8">
7 <meta name="viewport" content="width=device-width, initial-scale=1.0">
8 <title>Edit Product</title>
9 <script src="https://cdn.tailwindcss.com"></script>
10 </head>
11 <body class="bg-gray-100 min-h-screen p-8">
12 <div class="max-w-2xl mx-auto bg-white rounded-lg shadow-md p-8">
13 <h1 class="text-3xl font-bold mb-6 text-center text-blue-600">Edit Product</h1>
14
15 <form method="post" action="barangServlet?action=update" class="space-y-4">
16 <input type="hidden" name="id" value="<%= request.getAttribute("id") %%">
17
18 <div>
19 <label for="name" class="block text-sm font-medium text-gray-700">Name</label>
20 <input type="text" id="name" name="name"
21 value="<%= request.getAttribute("name") %%"
22 required
23 class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
24 focus:border-blue-300 focus:ring focus:ring-blue-200
25 focus:ring-opacity-50">
26 </div>
27
28 <div>
29 <label for="category" class="block text-sm font-medium text-gray-700">
30 Category</label>
31 <input type="text" id="category" name="category"
32 value="<%= request.getAttribute("category") %%"
33 required
34 class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
35 focus:border-blue-300 focus:ring focus:ring-blue-200
36 focus:ring-opacity-50">
37 </div>
38
39 <div>
40 <label for="description" class="block text-sm font-medium text-gray-700">
41 Description</label>
42 <textarea id="description" name="description" rows="3"
43 class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
44 focus:border-blue-300 focus:ring focus:ring-blue-200
45 focus:ring-opacity-50"><%= request.getAttribute("description") %>
46 </textarea>
47 </div>
48
49 <div>
50 <label for="price" class="block text-sm font-medium text-gray-700">Price</label>
51 <input type="number" id="price" name="price" step="0.01"
52 </div>
```

```

34         class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
35         focus:border-blue-300 focus:ring focus:ring-blue-200
36         focus:ring-opacity-50">
37     </div>
38
39     <div>
40         <label for="description" class="block text-sm font-medium text-gray-700">
41             Description</label>
42         <textarea id="description" name="description" rows="3"
43             class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
44             focus:border-blue-300 focus:ring focus:ring-blue-200
45             focus:ring-opacity-50"><%= request.getAttribute("description") %>
46         </textarea>
47     </div>
48
49     <div>
50         <label for="price" class="block text-sm font-medium text-gray-700">Price</label>
51         <input type="number" id="price" name="price" step="0.01"
52             value="<%= request.getAttribute("price") %>"
53             required
54             class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
55             focus:border-blue-300 focus:ring focus:ring-blue-200
56             focus:ring-opacity-50">
57     </div>
58
59     <div>
60         <label for="stock" class="block text-sm font-medium text-gray-700">Stock</label>
61         <input type="number" id="stock" name="stock"
62             value="<%= request.getAttribute("stock") %>"
63             required
64             class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
65             focus:border-blue-300 focus:ring focus:ring-blue-200
66             focus:ring-opacity-50">
67     </div>
68
69     <div class="flex items-center justify-between">
70         <button type="submit" class="bg-blue-500 hover:bg-blue-600 text-white font-bold
71             py-2 px-4 rounded focus:outline-none focus:shadow-outline">
72             Update Product
73         </button>
74         <a href="product/view.jsp" class="text-blue-500 hover:text-blue-700">
75             Back to Product List</a>
76     </div>
77 </form>
78 </div>
79 </body>
80 </html>
81
82

```

# 7. Code pada /product/add.jsp (penambahan pada check session untuk login)

```

1  <%@page import="classes.JDBC, java.sql.ResultSet"%>
2  <%@page contentType="text/html" pageEncoding="UTF-8"%>
3  <%@page import="jakarta.servlet.http.HttpSession"%>
4  <%
5      if (session == null || session.getAttribute("username") == null) {
6          response.sendRedirect("../login.jsp?error=You must log in first.");
7          return;
8      }
9  %>

```

```
JDBC.java x index.jsp x barangServlet.java x add.jsp x edit.jsp x view.jsp x
Source History
1 <%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5 <meta charset="UTF-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <title>Add New Product</title>
8 <script src="https://cdn.tailwindcss.com"></script>
9 </head>
10 <body class="bg-gray-100 min-h-screen p-8">
11 <div class="max-w-2xl mx-auto bg-white rounded-lg shadow-md p-8">
12 <h1 class="text-3xl font-bold mb-6 text-center text-blue-600">Add New Product</h1>
13
14 <form method="post" action="../barangServlet?action=create" class="space-y-4">
15 <div>
16 <label for="name" class="block text-sm font-medium text-gray-700">Name</label>
17 <input type="text" id="name" name="name" required class="mt-1 block w-full
18 rounded-md border-gray-300 shadow-sm focus:border-blue-300 focus:ring
19 focus:ring-blue-200 focus:ring-opacity-50">
20 </div>
21
22 <div>
23 <label for="category" class="block text-sm font-medium text-gray-700">
24 Category</label>
25 <input type="text" id="category" name="category" required
26 class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
27 focus:border-blue-300 focus:ring focus:ring-blue-200
28 focus:ring-opacity-50">
29 </div>
30
31 <div>
32 <label for="description" class="block text-sm font-medium text-gray-700">
33 Description</label>
34 <textarea id="description" name="description" rows="3"
35 class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
36 focus:border-blue-300 focus:ring focus:ring-blue-200
37 focus:ring-opacity-50"></textarea>
38 </div>
39
40 <div>
41 <label for="price" class="block text-sm font-medium text-gray-700">Price</label>
42 <input type="number" id="price" name="price" step="0.01" required
43 class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
44 focus:border-blue-300 focus:ring focus:ring-blue-200
45 focus:ring-opacity-50">
46 </div>
47
48 <div>
49 <label for="stock" class="block text-sm font-medium text-gray-700">Stock</label>
50 <input type="number" id="stock" name="stock" required class="mt-1 block w-full
51 rounded-md border-gray-300 shadow-sm focus:border-blue-300 focus:ring
```

```
JDBC.java x index.jsp x barangServlet.java x add.jsp x edit.jsp x view.jsp x
Source History
21
22
23     <div>
24         <label for="category" class="block text-sm font-medium text-gray-700">
25             Category</label>
26         <input type="text" id="category" name="category" required
27             class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
28             focus:border-blue-300 focus:ring focus:ring-blue-200
29             focus:ring-opacity-50">
30     </div>
31
32     <div>
33         <label for="description" class="block text-sm font-medium text-gray-700">
34             Description</label>
35         <textarea id="description" name="description" rows="3"
36             class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
37             focus:border-blue-300 focus:ring focus:ring-blue-200
38             focus:ring-opacity-50"></textarea>
39     </div>
40
41     <div>
42         <label for="price" class="block text-sm font-medium text-gray-700">Price</label>
43         <input type="number" id="price" name="price" step="0.01" required
44             class="mt-1 block w-full rounded-md border-gray-300 shadow-sm
45             focus:border-blue-300 focus:ring focus:ring-blue-200
46             focus:ring-opacity-50">
47     </div>
48
49     <div>
50         <label for="stock" class="block text-sm font-medium text-gray-700">Stock</label>
51         <input type="number" id="stock" name="stock" required class="mt-1 block w-full
52             rounded-md border-gray-300 shadow-sm focus:border-blue-300 focus:ring
53             focus:ring-blue-200 focus:ring-opacity-50">
54     </div>
55
56     <div class="flex items-center justify-between">
57         <button type="submit" class="bg-blue-500 hover:bg-blue-600 text-white font-bold
58             py-2 px-4 rounded focus:outline-none focus:shadow-outline">
59             Add Product
60         </button>
61         <a href="view.jsp" class="text-blue-500 hover:text-blue-700">
62             Back to Product List</a>
63     </div>
64 </form>
65 </div>
66 </body>
67 </html>
68
```

## 8. login.jsp

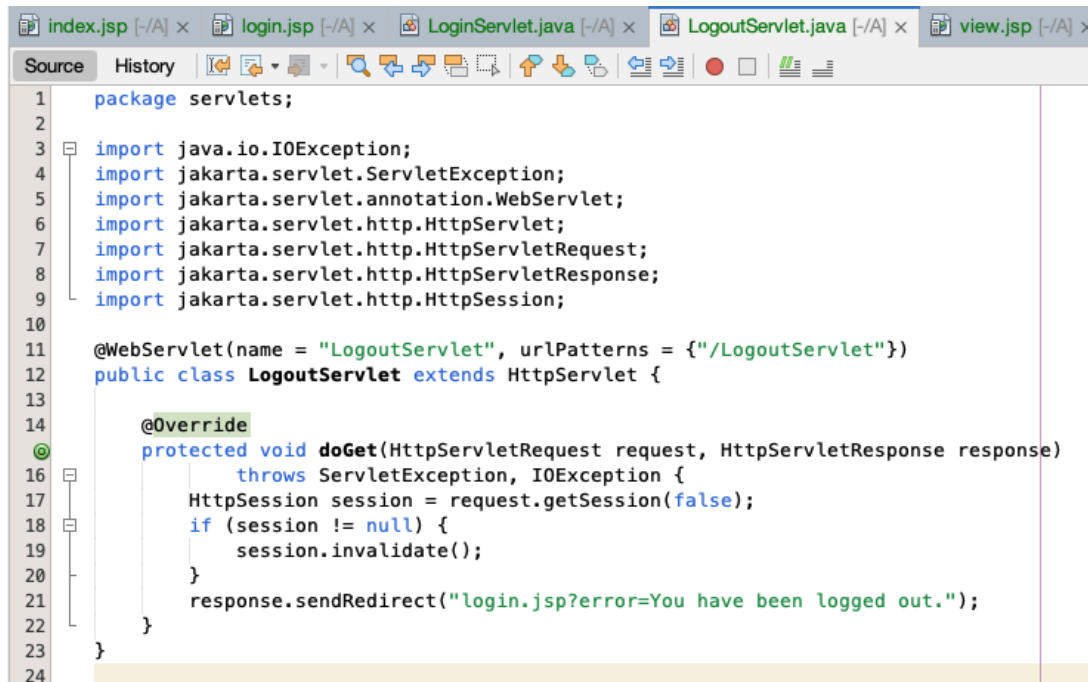
```
index.jsp x login.jsp x LoginServlet.java x LogoutServlet.java x view.jsp x barangServlet.java x edit.jsp x add.jsp x JDBC.java x
Source History
1 <%@page contentType="text/html" pageEncoding="UTF-8"%>
2 <%@page import="classes.JDBC, java.sql.ResultSet"%>
3 <% JDBC db = new JDBC(); %>
4 <!DOCTYPE html>
5 <html lang="en">
6 <head>
7 <meta charset="UTF-8">
8 <meta name="viewport" content="width=device-width, initial-scale=1.0">
9 <title>Login - CRUD Barang</title>
10 <script src="https://cdn.tailwindcss.com"></script>
11 </head>
12 <body class="bg-gray-100 min-h-screen flex flex-col items-center justify-center">
13 <div class="bg-white p-8 rounded-lg shadow-md max-w-md w-full">
14 <h1 class="text-3xl font-bold mb-6 text-center text-blue-600">CRUD Barang</h1>
15
16 <form action="LoginServlet" method="POST" class="space-y-4">
17 <div>
18 <label for="username" class="block text-sm font-medium text-gray-700">Username</label>
19 <input type="text" id="username" name="username" placeholder="admin" required
20 class="mt-1 block w-full px-3 py-2 bg-white border border-gray-300 rounded-md shadow-sm focus:outline-none focus:ring-blue-500 focus:border-blue-500">
21 </div>
22 <div>
23 <label for="password" class="block text-sm font-medium text-gray-700">Password</label>
24 <input type="password" id="password" name="password" placeholder="admin" required
25 class="mt-1 block w-full px-3 py-2 bg-white border border-gray-300 rounded-md shadow-sm focus:outline-none focus:ring-blue-500 focus:border-blue-500">
26 </div>
27 <div>
28 <button type="submit"
29 class="w-full flex justify-center py-2 px-4 border border-transparent rounded-md shadow-sm text-sm font-medium text-white bg-blue-600 hover:bg-blue-700
30 focus:outline-none focus:ring-2 focus:ring-offset-2 focus:ring-blue-500">
31 Login
32 </button>
33 </div>
34 </form>
35
36 <%
37 String error = request.getParameter("error");
38 if (error != null) {
39 <div class="mt-4 p-4 bg-red-100 text-red-700 rounded-md">
40 <p><%= error %></p>
41 </div>
42 <% } %>
43
44 <div class="bg-white rounded-lg shadow-md p-6 my-6">
45 <h2 class="text-xl font-semibold mb-4">Database Connection Status</h2>
46 <div class="p-4 rounded-md <%= db.isConnected ? "bg-green-100 text-green-700" : "bg-red-100 text-red-700" %>>
47 <p>
48
49 <div class="bg-white rounded-lg shadow-md p-6 my-6">
50 <h2 class="text-xl font-semibold mb-4">Database Connection Status</h2>
51 <div class="p-4 rounded-md <%= db.isConnected ? "bg-green-100 text-green-700" : "bg-red-100 text-red-700" %>>
52 <p>
53 <strong>STATUS:</strong>
54 <%= db.isConnected ? db.message : "Gagal terkoneksi ke database;" + db.message %>
55 </p>
56 </div>
57 </div>
58 </body>
59 </html>
```

## 9. loginServlet.java

```
index.jsp [-/A] x login.jsp [-/A] x LoginServlet.java [-/A] x LogoutServlet.java [-/A] x view.jsp [-/A] x barangServlet.java [-/A] x edit.jsp [-/A] x
Source History
1 package servlets;
2
3 import java.io.IOException;
4 import java.sql.ResultSet;
5 import jakarta.servlet.ServletException;
6 import jakarta.servlet.annotation.WebServlet;
7 import jakarta.servlet.http.HttpServlet;
8 import jakarta.servlet.http.HttpServletRequest;
9 import jakarta.servlet.http.HttpServletResponse;
10 import jakarta.servlet.http.HttpSession;
11 import classes.JDBC;
12
13 @WebServlet(name = "LoginServlet", urlPatterns = {"/LoginServlet"})
14 public class LoginServlet extends HttpServlet {
15
16     @Override
17     protected void doPost(HttpServletRequest request, HttpServletResponse response)
18         throws ServletException, IOException {
19         String username = request.getParameter("username");
20         String password = request.getParameter("password");
21
22         JDBC jdbc = new JDBC();
23
24         if (!jdbc.isConnected()) {
25             response.sendRedirect("login.jsp?error=" + jdbc.message);
26             return;
27         }
28
29         boolean isValidUser = false;
30
31         try {
32             String query = "SELECT * FROM user WHERE username = '" + username + "' AND password = '" + password + "'";
33             ResultSet rs = jdbc.runQuery(query);
34
35             if (rs != null && rs.next()) {
36                 isValidUser = true;
37             }
38
39             if (rs != null) {
40                 rs.close();
41             }
42         } catch (Exception e) {
43             response.sendRedirect("login.jsp?error=An error occurred: " + e.getMessage());
44             return;
45         } finally {
46             jdbc.disconnect();
47         }
48
49         if (isValidUser) {
50             HttpSession session = request.getSession();
51             session.setAttribute("username", username);
52             session.setMaxInactiveInterval(30 * 60); // session aktif selama 30 menit
53             response.sendRedirect("index.jsp");
54         } else {
55             response.sendRedirect("login.jsp?error=Invalid username or password.");
56         }
57     }
58 }
```



## 10. LogoutServlet.java



```
1 package servlets;
2
3 import java.io.IOException;
4 import jakarta.servlet.ServletException;
5 import jakarta.servlet.annotation.WebServlet;
6 import jakarta.servlet.http.HttpServlet;
7 import jakarta.servlet.http.HttpServletRequest;
8 import jakarta.servlet.http.HttpServletResponse;
9 import jakarta.servlet.http.HttpSession;
10
11 @WebServlet(name = "LogoutServlet", urlPatterns = {"/LogoutServlet"})
12 public class LogoutServlet extends HttpServlet {
13
14     @Override
15     protected void doGet(HttpServletRequest request, HttpServletResponse response)
16         throws ServletException, IOException {
17         HttpSession session = request.getSession(false);
18         if (session != null) {
19             session.invalidate();
20         }
21         response.sendRedirect("login.jsp?error=You have been logged out.");
22     }
23 }
24
```