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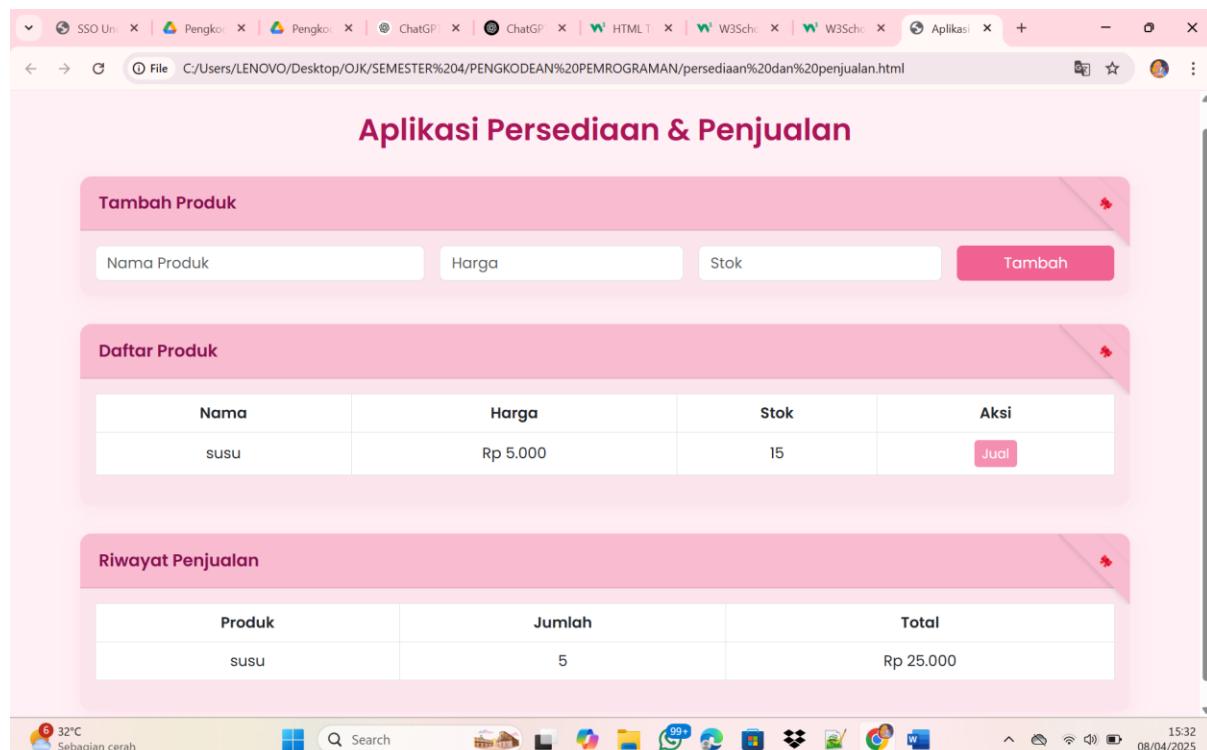
Kelas : D

Mata Kuliah : Pengkodean & Pemrograman

## TUGAS 3

### PERSEDIAAN DAN PENJUALAN

Buat aplikasi sederhana persediaan dan penjualan dengan menggunakan kode HTML, CSS, JavaScript.



The screenshot shows the code editor interface of a browser-based code editor. On the left, the HTML and CSS code for the application is visible, including the DOCTYPE declaration, meta tags, title, head section with links to Google Fonts, and the body section with its styles. On the right, the generated preview of the application is shown, displaying the same three sections: "Tambah Produk", "Daftar Produk", and "Riwayat Penjualan", all styled with pink and white colors.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Aplikasi Persediaan & Penjualan</title>
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="stylesheet" href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet"/>
<style>
  body {
    background-color: #fff0f5;
    font-family: 'Poppins', sans-serif;
    color: #880e4f;
  }
  h2 {
    font-weight: 600;
    margin-bottom: 30px;
    color: #ad1457;
  }
</style>
```

Kode :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0"/>
<title>Aplikasi Persediaan & Penjualan</title>
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet"/>

<style>
body {
background-color: #fff0f5;
font-family: 'Poppins', sans-serif;
color: #880e4f;
}

h2 {
font-weight: 600;
margin-bottom: 30px;
color: #ad1457;
}

.card {
background-color: #fce4ec;
border: none;
border-radius: 12px;
box-shadow: 0 4px 20px rgba(240, 98, 146, 0.1);
margin-bottom: 30px;
position: relative;
```

```
    overflow: hidden;  
}  
  
.card-header {  
    background-color: #f8bbd0;  
    color: #880e4f;  
    font-weight: 600;  
    font-size: 18px;  
    border-top-left-radius: 12px;  
    border-top-right-radius: 12px;  
    padding: 15px 20px;  
}
```

```
.ribbon {  
    width: 80px;  
    height: 80px;  
    overflow: hidden;  
    position: absolute;  
    top: -5px;  
    right: -5px;  
}
```

```
.ribbon span {  
    position: absolute;  
    display: block;  
    width: 120px;  
    padding: 5px 0;  
    background-color: #f8bbd0;  
    color: #fff;  
    text-align: center;  
    transform: rotate(45deg);  
    top: 20px;
```

```
    right: -30px;  
    font-size: 12px;  
    font-weight: 600;  
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);  
}  
  
 .
```

```
.btn-success {  
    background-color: #f06292;  
    border: none;  
}  
  
 .
```

```
.btn-success:hover {  
    background-color: #ec407a;  
}  
  
 .
```

```
.btn-danger {  
    background-color: #f48fb1;  
    border: none;  
}  
  
 .
```

```
.btn-danger:hover {  
    background-color: #f06292;  
}  
  
 .
```

```
.form-control:focus {  
    border-color: #f06292;  
    box-shadow: 0 0 0 0.2rem rgba(240, 98, 146, 0.25);  
}  
  
 .
```

```
table thead {  
    background-color: #f8bbd0;  
    color: #880e4f;  
}
```

```
}
```

```
table th, table td {
    vertical-align: middle;
}
</style>
</head>
<body>
<div class="container mt-5">
<h2 class="text-center">Aplikasi Persediaan & Penjualan</h2>

<div class="card">
<div class="card-header">
    Tambah Produk
    <div class="ribbon"><span>  </span></div>
</div>
<div class="card-body">
<div class="row g-3">
    <div class="col-md-4">
        <input type="text" id="productName" class="form-control" placeholder="Nama Produk" />
    </div>
    <div class="col-md-3">
        <input type="number" id="productPrice" class="form-control" placeholder="Harga" />
    </div>
    <div class="col-md-3">
        <input type="number" id="productStock" class="form-control" placeholder="Stok" />
    </div>
    <div class="col-md-2 d-grid">
        <button class="btn btn-success" onclick="addProduct()">Tambah</button>
    </div>

```

```
</div>
</div>
</div>

<div class="card">
<div class="card-header">
    Daftar Produk
    <div class="ribbon"><span>  </span></div>
</div>
<div class="card-body">
    <table class="table table-bordered text-center">
        <thead>
            <tr>
                <th>Nama</th>
                <th>Harga</th>
                <th>Stok</th>
                <th>Aksi</th>
            </tr>
        </thead>
        <tbody id="productTableBody"></tbody>
    </table>
</div>
</div>
```

```
<div class="card">
<div class="card-header">
    Riwayat Penjualan
    <div class="ribbon"><span>  </span></div>
</div>
<div class="card-body">
    <table class="table table-bordered text-center">
        <thead>
```

```
<tr>
    <th>Produk</th>
    <th>Jumlah</th>
    <th>Total</th>
</tr>
</thead>
<tbody id="salesHistoryBody"></tbody>
</table>
</div>
</div>
</div>

<script>
let products = [];
let salesHistory = [];

function addProduct() {
    let name = document.getElementById("productName").value;
    let price = parseFloat(document.getElementById("productPrice").value);
    let stock = parseInt(document.getElementById("productStock").value);

    if (!name || isNaN(price) || isNaN(stock)) {
        alert("Semua kolom harus diisi dengan benar!");
        return;
    }

    products.push({ name, price, stock });
    renderProducts();

    document.getElementById("productName").value = "";
    document.getElementById("productPrice").value = "";
    document.getElementById("productStock").value = "";
}
```

```
}
```

```
function renderProducts() {
  let tbody = document.getElementById("productTableBody");
  tbody.innerHTML = "";

  products.forEach((product, index) => {
    let row = `
      <tr>
        <td>${product.name}</td>
        <td>Rp ${product.price.toLocaleString()}</td>
        <td>${product.stock}</td>
        <td><button class='btn btn-danger btn-sm'
          onclick='sellProduct(${index})'>Jual</button></td>
      </tr>
    `;
    tbody.innerHTML += row;
  });
}
```

```
function sellProduct(index) {
  let quantity = prompt("Masukkan jumlah yang ingin dijual:");
  quantity = parseInt(quantity);
  if (isNaN(quantity) || quantity <= 0 || quantity > products[index].stock) {
    alert("Jumlah tidak valid!");
    return;
}
```

```
products[index].stock -= quantity;
salesHistory.push({
  name: products[index].name,
  quantity: quantity,
```

```
total: products[index].price * quantity
});

renderProducts();
renderSalesHistory();
}

function renderSalesHistory() {
let tbody = document.getElementById("salesHistoryBody");
tbody.innerHTML = "";

salesHistory.forEach(sale => {
let row = `
<tr>
<td>${sale.name}</td>
<td>${sale.quantity}</td>
<td>Rp ${sale.total.toLocaleString()}</td>
</tr>
`;
tbody.innerHTML += row;
});

}
</script>
</body>
</html>
```