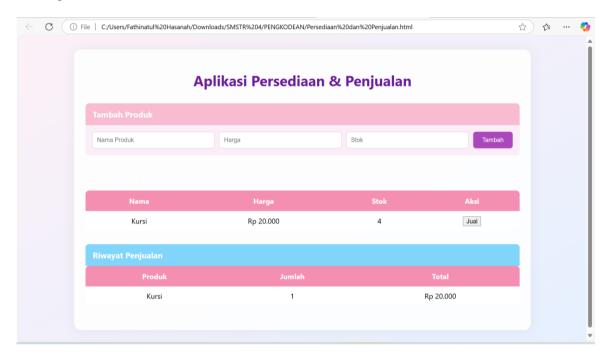Nama : Fathinatul Hasanah
NIM : 12030123140294
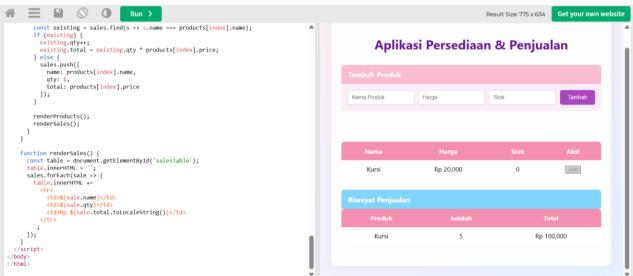Kelas : D
Mata Kuliah : Pengkodean dan Pemrograman

TUGAS 3
PERSEDIAAN DAN PENJUALAN

Membuat aplikasi sederhana persediaan dan penjualan dengan menggunakan kode HTML, CSS, dan Java Script.

```html
<!DOCTYPE html>
<html lang="id">
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <title>Aplikasi Persediaan & Penjualan</title>
  <style>
    body {
      font-family: 'Segoe UI', sans-serif;
      background: linear-gradient(to bottom right, #fdf1f7, #e6f0ff);
      margin: 0;
      padding: 30px;
    }

    .container {
      max-width: 960px;
      margin: auto;
      background: #ffffffd9;
      padding: 25px;
      border-radius: 15px;
      box-shadow: 0 0 30px rgba(0, 0, 0, 0.05);
    }

    h1 {
      text-align: center;
      margin-bottom: 30px;
      color: #6a1b9a;
    }

    section {
      margin-bottom: 30px;
    }

    h2 {
      font-size: 18px;
      margin-bottom: 0;
      color: #fff;
      padding: 12px 16px;
      border-radius: 8px 8px 0 0;
    }

    .form {
      display: flex;
      flex-wrap: wrap;
      gap: 10px;
      padding: 15px;
      background: #fceef8;
      border-radius: 0 0 8px 8px;
    }

    .form input {
      padding: 10px;
      border-radius: 6px;
      border: 1px solid #ccc;
      flex: 1;
```

```css
    min-width: 140px;
}

.form button {
  background-color: #ab47bc;
  color: white;
  border: none;
  padding: 10px 20px;
  border-radius: 6px;
  cursor: pointer;
  transition: 0.3s;
}

.form button:hover {
  background-color: #8e24aa;
}

table {
  width: 100%;
  border-collapse: collapse;
  background-color: #fff5fa;
  border-radius: 8px;
  overflow: hidden;
}

th {
  background-color: #f48fb1;
  color: white;
  padding: 12px;
}

td {
  padding: 10px;
  text-align: center;
  background-color: #fff;
}

tr:nth-child(even) td {
  background-color: #fdf2f8;
}

.sales-section h2 {
  background-color: #81d4fa;
}

.sales-section table {
  background-color: #e1f5fe;
}

.sales-section td {
  background-color: #ffffff;
}

.sales-section tr:nth-child(even) td {
  background-color: #f0fbff;
```

```html
      }

    button:disabled {
      background-color: #ccc;
      cursor: not-allowed;
    }

    /* Header Colors */
    .produk-section h2 {
      background-color: #f8bbd0;
    }
  </style>
</head>
<body>
  <div class="container">
    <h1>Aplikasi Persediaan & Penjualan</h1>

    <section class="produk-section">
      <h2>Tambah Produk</h2>
      <div class="form">
        <input type="text" id="productName" placeholder="Nama Produk">
        <input type="number" id="productPrice" placeholder="Harga">
        <input type="number" id="productStock" placeholder="Stok">
        <button onclick="addProduct()">Tambah</button>
      </div>
    </section>

    <section>
      <h2>Daftar Produk</h2>
      <table>
        <thead>
          <tr>
            <th>Nama</th>
            <th>Harga</th>
            <th>Stok</th>
            <th>Aksi</th>
          </tr>
        </thead>
        <tbody id="productTable"></tbody>
      </table>
    </section>

    <section class="sales-section">
      <h2>Riwayat Penjualan</h2>
      <table>
        <thead>
          <tr>
            <th>Produk</th>
            <th>Jumlah</th>
            <th>Total</th>
          </tr>
        </thead>
        <tbody id="salesTable"></tbody>
      </table>
    </section>
```

```
    </div>

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

      function addProduct() {
        const name = document.getElementById('productName').value.trim();
        const price = parseFloat(document.getElementById('productPrice').value);
        const stock = parseInt(document.getElementById('productStock').value);

        if (name && !isNaN(price) && !isNaN(stock)) {
          products.push({ name, price, stock });
          renderProducts();
          document.getElementById('productName').value = '';
          document.getElementById('productPrice').value = '';
          document.getElementById('productStock').value = '';
        } else {
          alert('Isi semua kolom dengan benar!');
        }
      }

      function renderProducts() {
        const table = document.getElementById('productTable');
        table.innerHTML = '';
        products.forEach((product, index) => {
          table.innerHTML += `
            <tr>
              <td>${product.name}</td>
              <td>Rp ${product.price.toLocaleString()}</td>
              <td>${product.stock}</td>
              <td>
                <button onclick="sellProduct(${index})" ${product.stock === 0 ? 'disabled' :
'}>Jual</button>
              </td>
            </tr>
          `;
        });
      }

      function sellProduct(index) {
        if (products[index].stock > 0) {
          products[index].stock--;

          const existing = sales.find(s => s.name === products[index].name);
          if (existing) {
            existing.qty++;
            existing.total = existing.qty * products[index].price;
          } else {
            sales.push({
              name: products[index].name,
              qty: 1,
              total: products[index].price
            });
          }
```

```
    renderProducts();
    renderSales();
   }
  }

 function renderSales() {
   const table = document.getElementById('salesTable');
   table.innerHTML = '';
   sales.forEach(sale => {
    table.innerHTML += `
      <tr>
       <td>${sale.name}</td>
       <td>${sale.qty}</td>
       <td>Rp ${sale.total.toLocaleString()}</td>
      </tr>
     `;
   });
  }
 </script>
</body>
</html>
```