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Listing Program

Index.php

```
<?= $this->extend('layout/template') ?>

<?= $this->section('content') ?>

<?= $this->section('header_action') ?>
   <?php if(session()->get('peran') != 'pemilik'): ?>
   <a href="<?= base_url('penjualan/create') ?>" class="bg-blue-600 hover:bg-blue-700 text-white px-5 py-2.5 rounded-xl font-bold shadow-lg shadow-blue-200 transition-all flex items-center gap-2">
       <i class="fas fa-cash-register"></i> Transaksi Baru (Kasir)
   </a>
   <?php endif; ?>
<?= $this->endSection() ?>

<div class="bg-white rounded-xl shadow-sm overflow-hidden border border-slate-100">
   <div class="overflow-x-auto">
      <table class="w-full text-left text-sm">
         <thead class="bg-slate-50 text-slate-500 uppercase font-bold border-b border-slate-100">
            <tr>
               <th class="px-6 py-4">No Faktur</th>
               <th class="px-6 py-4">Tanggal</th>
               <th class="px-6 py-4">Kasir</th>
               <th class="px-6 py-4 text-right">Total</th>
               <th class="px-6 py-4 text-center">Aksi</th>
            </tr>
         </thead>
         <tbody class="divide-y divide-slate-100">
            <?php if(empty($penjualan)): ?>
            <tr>
               <td colspan="5" class="px-6 py-8 text-center text-slate-400 italic">
                  Belum ada transaksi penjualan.
               </td>
            </tr>
            <?php else: ?>
               <?php foreach($penjualan as $p): ?>
               <tr class="hover:bg-slate-50 transition-colors">
                  <td class="px-6 py-4 font-bold text-slate-800">
                     <a href="<?= base_url('penjualan/show/' . $p['id']) ?>" class="text-blue-600 hover:text-blue-800 hover:underline">
                        <?= $p['no_faktur'] ?>
                     </a>
                  </td>
                  <td class="px-6 py-4 text-slate-600">
                     <?= date('d M Y H:i', strtotime($p['created_at'])) ?>
                  </td>
                  <td class="px-6 py-4 text-slate-600">
                     <i class="fas fa-user-circle mr-1 text-slate-400"></i> <?= $p['kasir'] ?>
                  </td>
                  <td class="px-6 py-4 text-right font-bold text-blue-600">
                     Rp <?= number_format($p['total_harga'], 0, ',', '.') ?>
```

```
                </td>
                <td class="px-6 py-4
text-center">
                    <a href="<?=
base_url('penjualan/print/' . $p['id'])
?>" target="_blank" class="inline-
flex items-center justify-center w-8
h-8 rounded-lg bg-slate-100 text-
slate-600 hover:bg-slate-200
transition-colors" title="Cetak
Struk">
                        <i class="fas fa-
print"></i>
                    </a>
                </td>
            </tr>
            <?php endforeach; ?>
        <?php endif; ?>
    </tbody>
  </table>
 </div>
</div>

<?= $this->endSection() ?>
```

Welcome_message.php

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <title>Welcome to CodeIgniter
4!</title>
 <meta name="description"
content="The small framework with
powerful features">
 <meta name="viewport"
content="width=device-width,
initial-scale=1.0">
 <link rel="shortcut icon"
type="image/png"
href="/favicon.ico">

 <!-- STYLES -->

 <style {csp-style-nonce}>
    * {
      transition: background-color
300ms ease, color 300ms ease;
    }
    *:focus {
      background-color: rgba(221,
72, 20, .2);
      outline: none;
    }
    html, body {
      color: rgba(33, 37, 41, 1);
      font-family: -apple-system,
BlinkMacSystemFont, "Segoe UI",
Helvetica, Arial, sans-serif, "Apple
Color Emoji", "Segoe UI Emoji";
      font-size: 16px;
      margin: 0;
      padding: 0;
      -webkit-font-smoothing:
antialiased;
      -moz-osx-font-smoothing:
grayscale;
      text-rendering:
optimizeLegibility;
    }
    header {
      background-color: rgba(247,
248, 249, 1);
      padding: .4rem 0 0;
    }
    .menu {
      padding: .4rem 2rem;
    }
    header ul {
      border-bottom: 1px solid
rgba(242, 242, 242, 1);
      list-style-type: none;
      margin: 0;
      overflow: hidden;
      padding: 0;
      text-align: right;
    }
    header li {
      display: inline-block;
    }
    header li a {
      border-radius: 5px;
```

```
            color: rgba(0, 0, 0, .5);
            display: block;
            height: 44px;
            text-decoration: none;
        }
        header li.menu-item a {
            border-radius: 5px;
            margin: 5px 0;
            height: 38px;
            line-height: 36px;
            padding: .4rem .65rem;
            text-align: center;
        }
        header li.menu-item a:hover,
        header li.menu-item a:focus {
            background-color: rgba(221, 72, 20, .2);
            color: rgba(221, 72, 20, 1);
        }
        header .logo {
            float: left;
            height: 44px;
            padding: .4rem .5rem;
        }
        header .menu-toggle {
            display: none;
            float: right;
            font-size: 2rem;
            font-weight: bold;
        }
        header .menu-toggle button {
            background-color: rgba(221, 72, 20, .6);
            border: none;
            border-radius: 3px;
            color: rgba(255, 255, 255, 1);
            cursor: pointer;
            font: inherit;
            font-size: 1.3rem;
            height: 36px;
            padding: 0;
            margin: 11px 0;
            overflow: visible;
            width: 40px;
        }
        header .menu-toggle button:hover,
        header .menu-toggle button:focus {
            background-color: rgba(221, 72, 20, .8);
            color: rgba(255, 255, 255, .8);
        }
        header .heroe {
            margin: 0 auto;
            max-width: 1100px;
            padding: 1rem 1.75rem 1.75rem 1.75rem;
        }
        header .heroe h1 {
            font-size: 2.5rem;
            font-weight: 500;
        }
        header .heroe h2 {
            font-size: 1.5rem;
            font-weight: 300;
        }
        section {
            margin: 0 auto;
            max-width: 1100px;
            padding: 2.5rem 1.75rem 3.5rem 1.75rem;
        }
        section h1 {
            margin-bottom: 2.5rem;
        }
        section h2 {
            font-size: 120%;
            line-height: 2.5rem;
            padding-top: 1.5rem;
        }
        section pre {
            background-color: rgba(247, 248, 249, 1);
            border: 1px solid rgba(242, 242, 242, 1);
            display: block;
            font-size: .9rem;
            margin: 2rem 0;
            padding: 1rem 1.5rem;
            white-space: pre-wrap;
            word-break: break-all;
        }
        section code {
```

```
            display: block;
        }
        section a {
            color: rgba(221, 72, 20, 1);
        }
        section svg {
            margin-bottom: -5px;
            margin-right: 5px;
            width: 25px;
        }
        .further {
            background-color: rgba(247,
248, 249, 1);
            border-bottom: 1px solid
rgba(242, 242, 242, 1);
            border-top: 1px solid
rgba(242, 242, 242, 1);
        }
        .further h2:first-of-type {
            padding-top: 0;
        }
        .svg-stroke {
            fill: none;
            stroke: #000;
            stroke-width: 32px;
        }
        footer {
            background-color: rgba(221,
72, 20, .8);
            text-align: center;
        }
        footer .environment {
            color: rgba(255, 255, 255, 1);
            padding: 2rem 1.75rem;
        }
        footer .copyrights {
            background-color: rgba(62,
62, 62, 1);
            color: rgba(200, 200, 200, 1);
            padding: .25rem 1.75rem;
        }
        @media (max-width: 629px) {
            header ul {
                padding: 0;
            }
            header .menu-toggle {
                padding: 0 1rem;
            }
            header .menu-item {
                background-color:
rgba(244, 245, 246, 1);
                border-top: 1px solid
rgba(242, 242, 242, 1);
                margin: 0 15px;
                width: calc(100% - 30px);
            }
            header .menu-toggle {
                display: block;
            }
            header .hidden {
                display: none;
            }
            header li.menu-item a {
                background-color:
rgba(221, 72, 20, .1);
            }
            header li.menu-item a:hover,
            header li.menu-item a:focus {
                background-color:
rgba(221, 72, 20, .7);
                color: rgba(255, 255, 255,
.8);
            }
        }
    </style>
</head>
<body>

<!-- HEADER: MENU + HEROE
SECTION -->
<header>

    <div class="menu">
        <ul>
            <li class="logo">
                <a
href="https://codeigniter.com"
target="_blank">
                    <svg role="img" aria-
label="Visit CodeIgniter.com official
website!"
xmlns="http://www.w3.org/2000/svg
" viewBox="0 0 2100 500"
height="44"><path fill="#dd4814"
```

d="M148.2 411c-20.53-9.07-34.48-28.61-36.31-50.99 1.2-23.02 13.36-44.06 32.67-56.61-3.17 7.73-2.4 16.53 2 23.6 5.01 7 13.63 10.36 22.07 8.61 12.02-3.38 19.06-15.86 15.68-27.89-1.2-4.21-3.6-8.03-6.88-10.91-13.6-11.06-20.43-28.44-18-45.81 2.33-9.2 7.42-17.52 14.61-23.8-5.4 14.4 9.83 28.61 20.05 35.6 18.14 10.88 35.6 22.84 52.32 35.81 18.27 14.4 28.23 36.94 26.67 60-4.11 24.54-21.47 44.8-45.13 52.4 47.33-10.53 96.13-48.13 97.06-101.46-.93-42.67-26.4-80.96-65.33-98.4h-1.73c.86 2.09 1.28 4.34 1.2 6.61.13-1.47.13-2.93 0-4.4.21 1.73.21 3.47 0 5.2-2.96 12.13-15.2 19.6-27.36 16.64-4.86-1.2-9.2-3.93-12.32-7.87-15.6-20 0-42.76 2.61-64.76 1.6-28.13-11.25-55.02-34.05-71.46 11.41 19.02-3.79 44-14.84 58.21-11.07 14.21-27.07 24.8-40.11 37.2-14.05 13.07-26.93 27.44-38.49 42.8-24.99 30.53-34.8 70.8-26.67 109.4 11.15 37.2 42.07 65.15 80.2 72.4h.21l-.13-.12Zm324.56-159.8q0-17.92 6.16-35.56 6.44-17.92 18.48-31.92t29.68-22.68q17.64-8.96 40.04-8.96 26.6 0 45.36 12.04 19.04 12.04 28 31.36l-15.4 9.52q-4.76-9.8-11.76-16.52-6.72-6.72-14.56-10.92-7.84-4.2-16.24-5.88-8.4-1.96-16.52-1.96-17.92 0-31.64 7.28-13.72 7.28-23.24 19.04-9.24 11.76-14 26.6-4.76 14.56-4.76 29.68 0 16.52 5.6 31.64 5.88 15.12 15.68 26.88 10.08 11.48 23.52 18.48 13.72 6.72 29.68 6.72 8.4 0 17.08-1.96 8.96-2.24 17.08-6.72 8.4-4.76 15.4-11.48 7-7 11.76-16.8l16.24 8.4q-4.76 11.2-13.44 19.88-8.68 8.4-19.32 14.28-10.64 5.88-22.68 8.96-11.76 3.08-23.24 3.08-20.44 0-37.52-8.96-17.08-8.96-29.4-23.24-12.32-14.56-19.32-32.76-6.72-18.48-6.72-37.52Zm263.48 103.6q-15.96 0-29.12-5.88-13.16-6.16-22.96-16.52-9.52-10.36-14.84-24.08Q664 294.6 664 279.48q0-15.4 5.32-29.12 5.6-13.72 15.12-24.08 9.8-10.36 22.96-16.52t28.84-6.16q15.68 0 28.84 6.16 13.44 6.16 22.96 16.52 9.8 10.36 15.12 24.08 5.6 13.72 5.6 29.12 0 15.12-5.32 28.84t-15.12 24.08q-9.52 10.36-22.96 16.52-13.16 5.88-29.12 5.88Zm-52.92-75.04q0 12.32 4.2 22.96 4.2 10.36 11.2 18.48 7.28 7.84 16.8 12.32 9.8 4.48 20.72 4.48 10.92 0 20.44-4.48 9.8-4.76 17.08-12.6 7.28-8.12 11.48-18.76 4.2-10.64 4.2-22.96 0-12.04-4.2-22.68-4.2-10.92-11.48-18.76-7.28-8.12-17.08-12.6-9.52-4.76-20.44-4.76-10.92 0-20.44 4.76-9.52 4.48-16.8 12.6-7.28 8.12-11.48 19.04-4.2 10.64-4.2 22.96ZM900.6 354.8q-15.12 0-28.56 6.16-12.88-6.44-22.12-16.8t-14.56-23.8q-5.04-13.72-5.04-28.56 0-15.4 5.04-29.12 5.04-14 13.72-24.36 8.96-10.36 21-16.24 12.32-6.16 26.88-6.16 18.48 0 32.76 9.8 14.28 9.52 22.4 23.24V147.6h19.04v179.76q0 7.84 6.72 7.84V352q-4.2.84-6.72.84-6.72 0-11.76-4.2-5.04-4.48-5.04-10.64v-14.28Q946.24 338 931.4 346.4t-30.8 8.4Zm4.2-16.8q7 0 14.84-2.8 8.12-2.8 15.12-7.56 7-5.04 11.76-11.48 5.04-6.72 6.16-14.28V256.8q-2.8-7.56-8.12-14-5.32-6.72-12.32-11.76-6.72-5.04-14.56-7.84-7.84-2.8-15.4-2.8-11.76 0-21.28 5.04-9.52 5.04-16.52 13.44-6.72 8.12-10.36 18.76-3.64 10.64-3.64 21.84 0 11.76 4.2 22.4 4.2 10.64 11.48 18.76 7.28 7.84 17.08 12.6Q893.32 338 904.8 338Zm173.04 16.8q-15.96 0-29.4-5.88-13.16-6.16-22.96-16.52-9.8-10.64-15.4-24.36-5.32-13.72-5.32-29.4 0-15.4 5.32-28.84 5.6-13.72 15.12-23.8 9.8-10.36 23.24-16.24 13.44-6.16 29.12-6.16 15.96 0 29.12 6.16 13.44 5.88 22.96 16.24 9.52 10.36 14.84 23.8 5.32 13.44 5.32

28.56v4.48q0 2.24-.28 3.08h-124.88q.84 11.76 5.32 21.84 4.76 9.8 12.04 17.08 7.28 7.28 16.52 11.48 9.52 3.92 20.16 3.92 7 0 14-1.96t12.88-5.32q5.88-3.36 10.64-8.12 4.76-5.04 7.28-10.92l16.52 4.48q-3.36 8.12-9.52 14.84-6.16 6.44-14.28 11.48-8.12 4.76-17.92 7.56-9.8 2.52-20.44 2.52Zm-53.48-83.44h107.24q-.84-11.76-5.6-21.28-4.48-9.8-11.76-16.8-7-7-16.52-10.92-9.24-3.92-19.88-3.92-10.64 0-20.16 3.92t-16.8 10.92q-7 7-11.48 16.8-4.2 9.8-5.04 21.28Zm193.2 80.64h-38.64V153.2h38.64V352Zm93.52.84q-14.84 0-26.88-5.88t-21-15.96q-8.68-10.36-13.44-23.8-4.76-13.44-4.76-28.56 0-15.96 5.04-29.68 5.04-13.72 14-24.08 8.96-10.36 21.56-16.24 12.6-5.88 27.72-5.88 17.08 0 29.96 7.84 12.88 7.56 21.28 20.44v-25.76h32.76V345q0 16.24-6.16 29.12-6.16 12.88-17.08 21.84-10.64 8.96-25.76 13.72-14.84 4.76-32.48 4.76-24.08 0-40.6-7.84-16.24-8.12-28-22.68l20.44-19.88q8.4 10.36 21 16.24 12.88 5.88 27.16 5.88 8.68 0 16.52-2.24 8.12-2.52 14.28-7.56 6.16-5.04 9.52-12.88 3.64-7.84 3.64-18.48v-18.48q-7.28 12.6-20.44 19.6-13.16 6.72-28.28 6.72Zm12.6-29.96q6.16 0 11.76-1.96t10.36-5.32q4.76-3.36 8.4-7.84 3.64-4.48 5.6-9.52v-35q-5.04-12.88-15.96-20.72-10.64-7.84-22.4-7.84-8.68 0-15.68 3.92-7 3.64-12.04 10.08-5.04 6.16-7.84 14.28-2.52 8.12-2.52 16.8 0 8.96 3.08 16.8t8.4 13.72q5.6 5.88 12.88 9.24 7.28 3.36 15.96 3.36Zm243.88-62.44V352h-37.52v-82.32q0-17.64-6.16-25.76-6.16-8.12-17.08-8.12-5.6 0-11.48 2.24-5.88 2.24-11.2 6.44-5.04 3.92-9.24 9.52t-6.16 12.32V352h-37.52V205.28h33.88v27.16q8.12-14 23.52-21.84t34.72-7.84q13.72 0 22.4 5.04 8.68 5.04 13.44 13.16 4.76 8.12 6.44 18.48 1.96 10.36 1.96 21Zm70.28 91.56h-37.52V205.28h37.52V352Zm0-167.16h-37.52V147.6h37.52v37.24Zm114.24 129.92 7.56 29.68q-7.56 3.36-18.48 6.72-10.92 3.36-22.96 3.36-7.84 0-14.84-1.96-6.72-1.96-12.04-6.16-5.04-4.48-8.12-11.2-3.08-7-3.08-16.8v-84.28h-19.32v-28.84h19.32v-47.6h37.52v47.6h30.8v28.84h-30.8v71.68q0 7.84 3.92 11.2 4.2 3.08 10.08 3.08t11.48-1.96q5.6-1.96 8.96-3.36Zm91.56 40.04q-17.64 0-31.92-5.88-14.28-6.16-24.36-16.52t-15.68-24.08q-5.32-13.72-5.32-28.84 0-15.68 5.32-29.4 5.32-14 15.4-24.36 10.08-10.64 24.36-16.8 14.56-6.16 32.48-6.16 17.92 0 31.92 6.16 14.28 6.16 24.08 16.52 10.08 10.36 15.12 24.08 5.32 13.72 5.32 28.56 0 3.64-.28 7 0 3.36-.56 5.6h-113.4q.84 8.68 4.2 15.4 3.36 6.72 8.68 11.48 5.32 4.76 12.04 7.28 6.72 2.52 14 2.52 11.2 0 21-5.32 10.08-5.6 13.72-14.56l32.2 8.96q-8.12 16.8-26.04 27.72-17.64 10.64-42.28 10.64Zm-38.08-88.48h76.16q-1.4-16.52-12.32-26.32-10.64-10.08-26.04-10.08-7.56 0-14.28 2.8-6.44 2.52-11.48 7.28t-8.4 11.48q-3.08 6.72-3.64 14.84Zm225.12-62.72v34.16q-17.08.28-30.52 6.72-13.44 6.16-19.32 18.76V352h-37.52V205.28h34.44v31.36q3.92-7.56 9.24-13.44 5.32-6.16 11.48-10.64t12.32-6.72q6.44-2.52 12.32-2.52h4.48q1.68 0 3.08.28Z"/></svg>

        <li class="menu-toggle">
            <button id="menuToggle">☰</button>


```
        <li class="menu-item
hidden"><a
href="#">Home</a></li>
        <li class="menu-item
hidden"><a
href="https://codeigniter.com/user_g
uide/" target="_blank">Docs</a>
        </li>
        <li class="menu-item
hidden"><a
href="https://forum.codeigniter.com/
"
target="_blank">Community</a></li
>
        <li class="menu-item
hidden"><a
              href="https://codeigniter
.com/contribute"
target="_blank">Contribute</a>
        </li>
      </ul>
   </div>

   <div class="heroe">

      <h1>Welcome to CodeIgniter
<?=
CodeIgniter\CodeIgniter::CI_VERSI
ON ?></h1>

      <h2>The small framework with
powerful features</h2>

   </div>

</header>

<!-- CONTENT -->

<section>

   <h1>About this page</h1>

   <p>The page you are looking at is
being generated dynamically by
CodeIgniter.</p>

   <p>If you would like to edit this
page you will find it located at:</p>

   <pre><code>app/Views/welcome
_message.php</code></pre>

   <p>The corresponding controller
for this page can be found at:</p>

   <pre><code>app/Controllers/Hom
e.php</code></pre>

</section>

<div class="further">

   <section>

      <h1>Go further</h1>

      <h2>
         <svg
xmlns='http://www.w3.org/2000/svg'
viewBox='0 0 512 512'><rect x='32'
y='96' width='64' height='368' rx='16'
ry='16' class="svg-stroke" /><line
x1='112' y1='224' x2='240' y2='224'
class="svg-stroke" /><line x1='112'
y1='400' x2='240' y2='400'
class="svg-stroke" /><rect x='112'
y='160' width='128' height='304'
rx='16' ry='16' class="svg-stroke"
/><rect x='256' y='48' width='96'
height='416' rx='16' ry='16'
class="svg-stroke" /><path
d='M422.46,96.11l-40.4,4.25c-
11.12,1.17-19.18,11.57-
17.93,23.1l34.92,321.59c1.26,11.53,
11.37,20,22.49,18.84l40.4-
4.25c11.12-1.17,19.18-11.57,17.93-
23.1L445,115C443.69,103.42,433.58
,94.94,422.46,96.11Z' class="svg-
stroke"/></svg>
         Learn
      </h2>
```

The User Guide contains an introduction, tutorial, a number of "how to"
guides, and then reference documentation for the components that make up
the framework. Check the <a href="https://codeigniter.com/user_guide/"
target="_blank">User Guide !

<h2>
<svg xmlns='http://www.w3.org/2000/svg' viewBox='0 0 512 512'><path d='M431,320.6c-1-3.6,1.2-8.6,3.3-12.2a33.68,33.68,0,0,1,2.1-3.1A162,162,0,0,0,464,215c.3-92.2-77.5-167-173.7-167C206.4,48,136.4,105.1,120,180.9a160.7,160.7,0,0,0-3.7,34.2c0,92.3,74.8,169.1,171,169.1,15.3,0,35.9-4.6,47.2-7.7s22.5-7.2,25.4-8.3a26.44,26.44,0,0,1,9.3-1.7,26,26,0,0,1,10.1,2L436,388.6a13.52,13.52,0,0,0,3.9,1,8,8,0,0,0,8-8,12.85,12.85,0,0,0-.5-2.7Z' class="svg-stroke" /><path d='M66.46,232a146.23,146.23,0,0,0,6.39,152.67c2.31,3.49,3.61,6.19,3.21,8s-11.93,61.87-11.93,61.87a8,8,0,0,0,2.71,7.68A8.17,8.17,0,0,0,72,464a7.26,7.26,0,0,0,2.91-.6l56.21-22a15.7,15.7,0,0,1,12,.2c18.94,7.38,39.88,12,60.83,12A159.21,159.21,0,0,0,284,432.11' class="svg-stroke" /></svg>
Discuss
</h2>

CodeIgniter is a community-developed open source project, with several
venues for the community members to gather and exchange ideas. View all
the threads on <a href="https://forum.codeigniter.com/"
target="_blank">CodeIgniter's forum, or <a href="https://join.slack.com/t/codeigniterchat/shared_invite/zt-rl30zw00-obL1Hr1q1ATvkzVkFp8S0Q"
target="_blank">chat on Slack !

<h2>
<svg xmlns='http://www.w3.org/2000/svg' viewBox='0 0 512 512'><line x1='176' y1='48' x2='336' y2='48' class="svg-stroke" /><line x1='118' y1='304' x2='394' y2='304' class="svg-stroke" /><path d='M208,48v93.48a64.09,64.09,0,0,1-9.88,34.18L73.21,373.49C48.4,412.78,76.63,464,123.08,464H388.92c46.45,0,74.68-51.22,49.87-90.51L313.87,175.66A64.09,64.09,0,0,1,304,141.48V48' class="svg-stroke" /></svg>
Contribute
</h2>

CodeIgniter is a community driven project and accepts contributions
of code and documentation from the community. Why not

join us ?

</section>

```
<!-- FOOTER: DEBUG INFO +
COPYRIGHTS -->

<footer>
   <div class="environment">

      <p>Page rendered in
{elapsed_time} seconds using
{memory_usage} MB of
memory.</p>

      <p>Environment: <?=
ENVIRONMENT ?></p>

   </div>

   <div class="copyrights">

      <p>&copy; <?= date('Y') ?>
CodeIgniter Foundation. CodeIgniter
is open source project released under
the MIT
         open source licence.</p>

   </div>

</footer>

<!-- SCRIPTS -->

<script {csp-script-nonce}>
   document.getElementById("menu
Toggle").addEventListener('click',
toggleMenu);
   function toggleMenu() {
      var menuItems =
document.getElementsByClassName
('menu-item');
      for (var i = 0; i <
menuItems.length; i++) {
         var menuItem =
menuItems[i];
         menuItem.classList.toggle("h
idden");
      }
   }
</script>
<!-- -->

</body>
</html>
```

Landing.php

```
<!DOCTYPE html>
<html lang="id">
<head>
   <meta charset="UTF-8">
   <meta name="viewport"
content="width=device-width,
initial-scale=1.0">
   <title><?= $title ?></title>
   <script
src="https://cdn.tailwindcss.com"></
script>
   <link
href="https://cdnjs.cloudflare.com/aj
ax/libs/font-
awesome/6.0.0/css/all.min.css"
rel="stylesheet">
   <script src="//unpkg.com/alpinejs"
defer></script>
   <script
src="https://cdn.jsdelivr.net/npm/swe
etalert2@11"></script>
</head>
<body class="bg-slate-50 text-slate-
800 font-sans min-h-screen">

   <div class="max-w-2xl mx-auto
px-4 py-8">
      <!-- Brand -->
      <div class="text-center mb-8">
         <div class="inline-flex items-
center justify-center w-16 h-16 bg-
blue-600 rounded-xl text-white text-
2xl font-bold mb-4 shadow-lg
shadow-blue-200">
            PC
         </div>
         <h1 class="text-2xl font-bold
text-slate-900">Portal Supplier</h1>
```

```
            <p class="text-slate-500">Panglong Cinta Tanjung Balai</p>
        </div>

        <?php if(session()->getFlashdata('success')): ?>
        <div class="bg-emerald-100 border border-emerald-200 text-emerald-700 px-4 py-3 rounded-xl mb-6 flex items-center shadow-sm">
            <i class="fas fa-check-circle mr-3 text-lg"></i>
            <?= session()->getFlashdata('success') ?>
        </div>
        <?php endif; ?>

        <!-- PO Card -->
        <div class="bg-white rounded-2xl shadow-xl overflow-hidden border border-slate-100 mb-6">
            <div class="bg-slate-900 px-6 py-4 flex justify-between items-center text-white">
                <div>
                    <h2 class="font-bold text-lg">Purchase Order</h2>
                    <p class="text-slate-400 text-sm"><?= $po['no_po'] ?></p>
                </div>
                <div class="text-right">
                    <span class="block text-xs text-slate-400 uppercase">Total</span>
                    <span class="block font-bold text-emerald-400">Rp <?= number_format($po['total_estimasi'], 0, ',', '.') ?></span>
                </div>
            </div>

            <div class="p-6">
                <!-- Status Bar -->
                <div class="mb-6 flex justify-between items-center bg-slate-50 p-3 rounded-lg border border-slate-100">
                    <span class="text-sm font-medium text-slate-500">Status Saat Ini:</span>
                    <?php
                        $statusClass = [
                            'terkirim' => 'bg-blue-100 text-blue-700',
                            'dikonfirmasi' => 'bg-yellow-100 text-yellow-700',
                            'diterima' => 'bg-emerald-100 text-emerald-700',
                        ];
                        $label = ucfirst($po['status']);
                    ?>
                    <span class="px-3 py-1 rounded-full text-sm font-bold <?= $statusClass[$po['status']] ?? 'bg-gray-100' ?>"><?= $label ?></span>
                </div>

                <!-- Items -->
                <h3 class="font-bold text-slate-800 mb-3 border-b pb-2">Detail Barang</h3>
                <ul class="space-y-4 mb-8">
                    <?php foreach($items as $item): ?>
                    <li class="flex justify-between items-start">
                        <div>
                            <div class="font-bold text-slate-800"><?= $item['nama_barang'] ?></div>
                            <div class="text-xs text-slate-500"><?= $item['jumlah_dipesan'] ?> x Rp <?= number_format($item['harga_satuan'],0,',','.') ?></div>
                        </div>
                        <div class="font-medium text-slate-700">
                            Rp <?= number_format($item['jumlah_dipes
```

```
an'] * $item['harga_satuan'], 0, ',', '.') ?>
                    </div>
                </li>
                <?php endforeach; ?>
            </ul>

            <!-- Actions -->
            <div class="space-y-3">
                <?php if($po['status'] == 'terkirim'): ?>
                    <button onclick="confirmAction('<?= base_url('supplier/status/'.$token.'/confirm') ?>', 'Konfirmasi Pesanan?', 'Anda menyatakan sanggup memenuhi pesanan ini.', 'Ya, Siap Kirim', '#2563EB')" class="block w-full text-center bg-blue-600 hover:bg-blue-700 text-white font-bold py-4 rounded-xl shadow-lg shadow-blue-200 transition-transform active:scale-95">
                        <i class="fas fa-check-double mr-2"></i> Siap Dikirim (Konfirmasi)
                    </button>
                <?php endif; ?>

                <?php if($po['status'] == 'dikonfirmasi'): ?>
                    <div class="bg-blue-50 text-blue-800 p-4 rounded-xl text-center mb-3 text-sm">
                        <i class="fas fa-info-circle mr-1"></i> Pesanan telah dikonfirmasi. Silakan kirim barang.
                    </div>
                    <button onclick="confirmAction('<?= base_url('supplier/status/'.$token.'/shipped') ?>', 'Barang Sudah Dikirim?', 'Pastikan barang sudah dalam perjalanan ke toko kami.', 'Ya, Sudah Dikirim', '#059669')" class="block w-full text-center bg-emerald-600 hover:bg-emerald-700 text-white font-bold py-4 rounded-xl shadow-lg shadow-emerald-200 transition-transform active:scale-95">
                        <i class="fas fa-truck mr-2"></i> Barang Sudah Dikirim
                    </button>
                <?php endif; ?>

                <?php if($po['status'] == 'diterima'): ?>
                    <div class="bg-emerald-50 text-emerald-800 p-4 rounded-xl text-center">
                        <i class="fas fa-check-circle mr-1"></i> Transaksi Selesai. Terima kasih!
                    </div>
                <?php endif; ?>
            </div>

        </div>
    </div>

    <p class="text-center text-xs text-slate-400 mt-8">
        &copy; <?= date('Y') ?> Panglong Cinta Tanjung Balai. All rights reserved.
    </p>
</div>

<script>
    function confirmAction(url, title, text, btnText, btnColor) {
        Swal.fire({
            title: title,
            text: text,
            icon: 'question',
            showCancelButton: true,
            confirmButtonColor: btnColor,
            cancelButtonColor: '#94a3b8',
            confirmButtonText: btnText,
            cancelButtonText: 'Batal'
```

```
        }).then((result) => {
            if (result.isConfirmed) {
                window.location.href =
url;
            }
        })
    }
  </script>
</body>
</html>
```

Show.php

```
<?= $this->extend('layout/template')
?>

<?= $this->section('content') ?>

<div class="mb-6 flex justify-
between items-center">
  <div>
    <div class="flex items-center
gap-2 text-sm text-slate-500 mb-1">
      <a href="<?=
base_url('penjualan') ?>"
class="hover:text-blue-
600">Riwayat Penjualan</a>
      <span>/</span>
      <span class="text-slate-700
font-medium">Detail
Transaksi</span>
    </div>
    <h1 class="text-3xl font-bold
text-slate-900"><?= $p['no_faktur']
?></h1>
  </div>
  <div class="flex gap-3">
    <a href="<?=
base_url('penjualan') ?>" class="px-4
py-2 bg-white border border-slate-
300 rounded-lg text-slate-700 font-
bold hover:bg-slate-50 transition-
colors">
      Kembali
    </a>
    <a href="<?=
base_url('penjualan/print/' . $p['id'])
?>" target="_blank" class="px-4 py-
2 bg-teal-500 hover:bg-teal-600 text-
white rounded-lg font-bold shadow-
lg shadow-teal-200 transition-colors
flex items-center gap-2">
      <i class="fas fa-print"></i>
Cetak Struk
    </a>
  </div>
</div>

<div class="grid grid-cols-1 lg:grid-
cols-3 gap-6">
  <!-- Transaction Info -->
  <div class="lg:col-span-1 space-y-
6">
    <div class="bg-white rounded-
xl shadow-sm border border-slate-
100 p-6">
      <h3 class="font-bold text-
slate-800 mb-4 border-b border-
slate-100 pb-2">Informasi
Transaksi</h3>

      <div class="space-y-3">
        <div>
          <div class="text-xs text-
slate-500 uppercase font-
bold">Waktu Transaksi</div>
          <div class="text-slate-
800 font-medium"><?= date('d F Y,
H:i', strtotime($p['created_at']))
?></div>
        </div>
        <div>
          <div class="text-xs text-
slate-500 uppercase font-
bold">Kasir</div>
          <div class="text-slate-
800 font-medium flex items-center
gap-2">
            <div class="w-6 h-6
rounded-full bg-blue-100 text-blue-
600 flex items-center justify-center
text-xs">
              <i class="fas fa-
user"></i>
```

```
                </div>
                <?= $p['kasir'] ?>
              </div>
            </div>
            <div>
              <div class="text-xs text-slate-500 uppercase font-bold">Metode Pembayaran</div>
              <div class="text-slate-800 font-medium">Tunai (Cash)</div>
            </div>
          </div>
        </div>

        <div class="bg-blue-50 rounded-xl border border-blue-100 p-6">
          <div class="text-blue-800 mb-1 font-medium">Total Pembayaran</div>
          <div class="text-3xl font-bold text-blue-900">Rp <?= number_format($p['total_harga'], 0, ',', '.') ?></div>
          <div class="mt-2 text-xs text-blue-600 flex items-center gap-1">
            <i class="fas fa-check-circle"></i> Lunas
          </div>
        </div>
      </div>

      <!-- Items List -->
      <div class="lg:col-span-2">
        <div class="bg-white rounded-xl shadow-sm border border-slate-100 overflow-hidden">
          <div class="px-6 py-4 border-b border-slate-100 bg-slate-50">
            <h3 class="font-bold text-slate-800">Rincian Barang</h3>
          </div>
          <div class="overflow-x-auto">
            <table class="w-full text-left text-sm">
              <thead class="bg-white text-slate-500 uppercase font-bold border-b border-slate-100">
                <tr>
                  <th class="px-6 py-3 bg-slate-50/50">Barang</th>
                  <th class="px-6 py-3 bg-slate-50/50 text-center">Jumlah</th>
                  <th class="px-6 py-3 bg-slate-50/50 text-right">Harga Satuan</th>
                  <th class="px-6 py-3 bg-slate-50/50 text-right">Subtotal</th>
                </tr>
              </thead>
              <tbody class="divide-y divide-slate-100">
                <?php foreach($items as $item): ?>
                <tr>
                  <td class="px-6 py-4">
                    <div class="font-bold text-slate-800"><?= $item['nama_barang'] ?></div>
                    <div class="text-xs text-slate-500"><?= $item['kode_barang'] ?></div>
                  </td>
                  <td class="px-6 py-4 text-center">
                    <span class="px-2 py-1 bg-slate-100 rounded text-slate-700 font-bold text-xs">
                      <?= $item['jumlah'] ?> <?= $item['nama_satuan'] ?>
                    </span>
                  </td>
                  <td class="px-6 py-4 text-right font-medium text-slate-600">
```

```
                        Rp <?= number_format($item['harga_satuan'], 0, ',', '.') ?>
                    </td>
                    <td class="px-6 py-4 text-right font-bold text-slate-800">
                        Rp <?= number_format($item['subtotal'], 0, ',', '.') ?>
                    </td>
                </tr>
                <?php endforeach; ?>
            </tbody>
            <tfoot class="bg-slate-50 border-t border-slate-200">
                <tr>
                    <td colspan="3" class="px-6 py-3 text-right text-slate-500 font-medium">Subtotal</td>
                    <td class="px-6 py-3 text-right font-medium text-slate-800">
                        Rp <?= number_format($p['total_harga'] / 1.11, 0, ',', '.') ?>
                    </td>
                </tr>
                <tr>
                    <td colspan="3" class="px-6 py-1 text-right text-slate-500 font-medium border-none">PPN (11%)</td>
                    <td class="px-6 py-1 text-right font-medium text-slate-800 border-none">
                        Rp <?= number_format($p['total_harga'] - ($p['total_harga'] / 1.11), 0, ',', '.') ?>
                    </td>
                </tr>
                <tr>
                    <td colspan="3" class="px-6 py-4 text-right text-slate-800 font-bold text-lg">TOTAL AKHIR</td>
                    <td class="px-6 py-4 text-right font-bold text-blue-600 text-lg">
                        Rp <?= number_format($p['total_harga'], 0, ',', '.') ?>
                    </td>
                </tr>
            </tfoot>
        </table>
    </div>
  </div>
</div>

<?= $this->endSection() ?>
```

Print.php

```
<!DOCTYPE html>
<html lang="id">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Struk: <?= $p['no_faktur'] ?></title>
  <style>
    body {
      font-family: 'Courier New', Courier, monospace;
      font-size: 12px;
      color: #000;
      width: 58mm; /* Thermal Paper Width */
      margin: 0;
      padding: 5px;
    }
    .text-center { text-align: center; }
    .text-right { text-align: right; }
    .font-bold { font-weight: bold; }
    .border-b { border-bottom: 1px dashed #000; margin-bottom: 5px; padding-bottom: 5px; }
```

```
        .border-t { border-top: 1px dashed #000; margin-top: 5px; padding-top: 5px; }
        .w-full { width: 100%; }
        .mb-1 { margin-bottom: 4px; }
        .text-sm { font-size: 10px; }

        @media print {
            @page { margin: 0; }
            body { padding: 0 5px; }
        }
    </style>
</head>
<body onload="window.print()">

    <script>
        window.onafterprint = function() {
            window.location.href = '<?= base_url('penjualan/create') ?>';
        };

        // Fallback for browsers that don't support onafterprint well or if user cancels quickly
        // window.addEventListener('focus', function() { setTimeout(function() { window.location.href = '<?= base_url('penjualan/create') ?>'; }, 1000); });
    </script>

    <div class="text-center mb-1">
        <div class="font-bold" style="font-size: 14px;"><?= get_app_name() ?></div>
        <div class="text-sm"><?= get_setting('deskripsi_toko', 'Toko Bahan Bangunan') ?></div>
        <div class="text-sm"><?= get_setting('alamat_toko', 'Jl. Raya Utama No. 123') ?></div>
    </div>

    <div class="border-b text-sm">
        <?= date('d/m/Y H:i', strtotime($p['created_at'])) ?><br>
        No: <?= $p['no_faktur'] ?><br>
        Kasir: <?= $p['kasir'] ?>
    </div>

    <table class="w-full mb-1">
        <?php foreach($items as $item): ?>
        <tr>
            <td colspan="2"><?= $item['nama_barang'] ?></td>
        </tr>
        <tr>
            <td><?= $item['jumlah'] ?> x <?= number_format($item['harga_satuan'], 0, ',', '.') ?></td>
            <td class="text-right"><?= number_format($item['subtotal'], 0, ',', '.') ?></td>
        </tr>
        <?php endforeach; ?>
    </table>

    <div class="border-t">
        <table class="w-full font-bold">
            <tr>
                <td>Subtotal</td>
                <td class="text-right">Rp <?= number_format($p['total_harga'] / 1.11, 0, ',', '.') ?></td>
            </tr>
            <tr>
                <td class="text-sm font-normal">PPN (11%)</td>
                <td class="text-right text-sm font-normal">Rp <?= number_format($p['total_harga'] - ($p['total_harga'] / 1.11), 0, ',', '.') ?></td>
            </tr>
            <tr>
                <td>TOTAL</td>
                <td class="text-right">Rp <?=
```

```
number_format($p['total_harga'], 0, ',', '.') ?></td>
            </tr>
        </table>
    </div>

    <div class="text-center border-t" style="margin-top: 10px;">
        Terima Kasih<br>
        Selamat Belanja Kembali
    </div>

</body>
</html>
```

Create.php

```
<?= $this->extend('layout/template') ?>

<?= $this->section('content') ?>

<!-- POS System Wrapper -->
<div class="flex flex-col lg:flex-row gap-6 h-[calc(100vh-120px)] overflow-hidden" x-data="posSystem()">

    <!-- Left Section: Product Catalog -->
    <div class="flex-1 flex flex-col bg-white rounded-2xl shadow-sm border border-slate-100 overflow-hidden">

        <!-- Header: Search & Categories -->
        <div class="p-6 pb-0">
            <h1 class="text-2xl font-bold text-slate-800 mb-1">Transaksi Penjualan</h1>
            <p class="text-slate-400 text-sm mb-6">Input data penjualan barang real-time</p>

            <!-- Search Bar -->
            <div class="relative mb-6">
                <i class="fas fa-search absolute left-5 top-4 text-slate-400"></i>
                <input type="text" x-model="search" placeholder="Cari Nama Barang atau Scan Barcode..."
                    class="w-full pl-12 pr-12 py-3.5 bg-slate-50 border-none rounded-xl text-slate-700 font-medium focus:ring-2 focus:ring-teal-400 placeholder-slate-400"
                    autofocus>
                <button class="absolute right-4 top-3.5 text-slate-400">
                    <i class="fas fa-barcode text-lg"></i>
                </button>
            </div>

            <!-- Category Tabs -->
            <div class="flex gap-2 overflow-x-auto pb-6 no-scrollbar">
                <button @click="activeCategory = 'all'"
                    :class="activeCategory === 'all' ? 'bg-blue-600 text-white shadow-lg shadow-blue-200' : 'bg-slate-100 text-slate-600 hover:bg-slate-200'"
                    class="px-6 py-2.5 rounded-xl font-bold text-sm whitespace-nowrap transition-all">
                    Semua
                </button>
                <?php foreach($kategori as $k): ?>
                <button @click="activeCategory = '<?= $k['nama_kategori'] ?>'"
                    :class="activeCategory === '<?= $k['nama_kategori'] ?>' ? 'bg-blue-600 text-white shadow-lg shadow-blue-200' : 'bg-slate-100 text-slate-600 hover:bg-slate-200'"
                    class="px-6 py-2.5 rounded-xl font-bold text-sm whitespace-nowrap transition-all">
```

```
                <?= $k['nama_kategori'] ?>
            </button>
            <?php endforeach; ?>
        </div>
    </div>

    <!-- Product Grid -->
    <div class="flex-1 overflow-y-auto p-6 pt-0 custom-scrollbar">
        <div class="grid grid-cols-2 lg:grid-cols-3 xl:grid-cols-4 gap-4">
            <template x-for="item in filteredItems" :key="item.id">
                <button @click="addToCart(item)"
                    class="group bg-white rounded-2xl border border-slate-100 p-3 hover:border-blue-500 hover:shadow-xl hover:shadow-blue-100 transition-all text-left flex flex-col h-full relative overflow-hidden">

                    <!-- Image Placeholder with Stock Badge -->
                    <div class="h-32 bg-slate-100 rounded-xl mb-3 relative overflow-hidden flex items-center justify-center group-hover:bg-blue-50 transition-colors">
                        <!-- Using FontAwesome as placeholder icon, or actual image if available -->
                        <i class="fas fa-box text-4xl text-slate-300 group-hover:text-blue-300 transition-colors"></i>

                        <!-- Stock Badge -->
                        <span class="absolute bottom-2 left-2 bg-yellow-400 text-yellow-900 text-[10px] font-bold px-2 py-0.5 rounded-md shadow-sm" x-show="item.stok <= 10">
                            <span x-text="item.stok"></span> <span x-text="item.nama_satuan"></span> Tersisa
                        </span>
                        <span class="absolute bottom-2 left-2 bg-emerald-500 text-white text-[10px] font-bold px-2 py-0.5 rounded-md shadow-sm" x-show="item.stok > 10">
                            <span x-text="item.stok"></span> <span x-text="item.nama_satuan"></span> Tersisa
                        </span>
                    </div>

                    <div class="flex-1">
                        <h3 class="font-bold text-slate-800 text-sm leading-snug mb-1 line-clamp-2" x-text="item.nama_barang"></h3>
                        <!-- Category label small -->
                        <p class="text-[10px] text-slate-400 mb-2" x-text="item.nama_kategori || 'Umum'"></p>
                    </div>

                    <div class="mt-auto">
                        <div class="font-bold text-blue-600 text-lg" x-text="formatRupiah(item.harga_jual)"></div>
                    </div>
                </button>
            </template>

            <div x-show="filteredItems.length === 0" class="col-span-full flex flex-col items-center justify-center py-20 text-slate-400">
```

```
                <i class="far fa-folder-open text-5xl mb-4 opacity-50"></i>
                <p class="font-medium">Barang tidak ditemukan</p>
            </div>
        </div>
    </div>
</div>

<!-- Right Section: Cart & Payment -->
<div class="w-full lg:w-[400px] flex flex-col bg-white rounded-2xl shadow-sm border border-slate-100 overflow-hidden">

    <!-- Cart Header -->
    <div class="p-6 border-b border-slate-50 flex justify-between items-center">
        <h2 class="font-bold text-lg text-slate-900">Keranjang Belanja</h2>
        <button @click="cart = []" x-show="cart.length > 0" class="text-xs font-bold text-red-500 hover:text-red-600 transition-colors">
            KOSONGKAN
        </button>
    </div>

    <!-- Cart Items List -->
    <div class="flex-1 overflow-y-auto p-4 space-y-3 custom-scrollbar">
        <template x-for="(item, index) in cart" :key="item.id">
            <div class="flex gap-3 items-start bg-slate-50 p-3 rounded-xl border border-transparent hover:border-slate-200 transition-colors group">
                <!-- Qty Controls (Verticalish layout for compactness or Standard horizontal) -->
                <div class="flex-1">
                    <h4 class="font-bold text-sm text-slate-800 mb-1" x-text="item.name"></h4>
                    <div class="flex justify-between items-center">
                        <p class="text-xs text-slate-500" x-text="formatRupiah(item.price) + ' / ' + item.unit"></p>

                        <!-- Qty Buttons -->
                        <div class="flex items-center gap-2 bg-white rounded-lg border border-slate-200 px-1 py-0.5 shadow-sm">
                            <button @click="updateQty(index, -1)" class="w-6 h-6 flex items-center justify-center text-slate-400 hover:text-slate-600 text-xs">
                                <i class="fas fa-minus"></i>
                            </button>
                            <input type="number" x-model.number="item.qty" @change="validateQty(index)" class="w-10 text-center text-sm font-bold text-slate-800 bg-transparent border-none focus:ring-0 p-0 m-0 no-spinners" min="1" :max="item.max_stock">
                            <button @click="updateQty(index, 1)" class="w-6 h-6 flex items-center justify-center text-blue-600 hover:text-blue-700 text-xs">
                                <i class="fas fa-plus"></i>
                            </button>
                        </div>
                    </div>
                </div>
```

```
                <div class="flex flex-col items-end justify-between h-full gap-2">
                    <button @click="removeFromCart(index)" class="text-slate-300 hover:text-red-500 transition-colors">
                        <i class="fas fa-trash-alt text-xs"></i>
                    </button>
                    <span class="font-bold text-sm text-slate-800" x-text="formatRupiah(item.subtotal)"></span>
                </div>
            </div>
        </template>

        <!-- Empty State -->
        <div x-show="cart.length === 0" class="h-full flex flex-col items-center justify-center text-center p-8">
            <div class="w-16 h-16 bg-slate-50 rounded-full flex items-center justify-center mb-4">
                <i class="fas fa-shopping-basket text-slate-300 text-2xl"></i>
            </div>
            <p class="text-slate-500 font-medium">Keranjang masih kosong</p>
            <p class="text-xs text-slate-400 mt-1">Pilih produk di sisi kiri untuk memulai transaksi</p>
        </div>
    </div>

    <!-- Billing Section -->
    <div class="p-6 bg-white border-t border-slate-100 shadow-[0_-5px_25px_rgba(0,0,0,0.03)] z-10">
        <!-- Totals -->
        <div class="space-y-2 mb-6">
            <div class="flex justify-between text-sm">
                <span class="text-slate-500">Subtotal</span>
                <span class="font-bold text-slate-700" x-text="formatRupiah(subTotal)"></span>
            </div>
            <!-- Tax -->
            <div class="flex justify-between text-sm">
                <span class="text-slate-500">PPN (11%)</span>
                <span class="font-bold text-slate-700" x-text="formatRupiah(taxAmount)"></span>
            </div>

            <div class="flex justify-between items-end pt-4 border-t border-dashed border-slate-200 mt-2">
                <span class="text-slate-800 font-bold uppercase text-sm">Total Akhir</span>
                <span class="text-3xl font-bold text-slate-900" x-text="formatRupiah(grandTotal)"></span>
            </div>
        </div>

        <!-- Payment Input -->
        <div class="mb-6">
            <div class="flex justify-between items-end mb-2">
                <label class="block text-xs uppercase font-bold text-slate-400">Bayar (Cash)</label>
                <button type="button" @click="setUangPas()" class="text-xs bg-emerald-100 text-emerald-700 hover:bg-emerald-200 px-3 py-1 rounded-md font-bold transition-colors">
```

```
                    <i class="fas fa-money-bill-wave mr-1"></i> Uang Pas
                </button>
            </div>
            <div class="relative mb-3">
                <span class="absolute left-4 top-4 text-slate-400 text-lg font-bold">Rp</span>
                <input type="text" x-model="formattedPayAmount" @input="updatePayAmount()"
                    class="w-full pl-12 pr-4 py-3.5 bg-slate-50 border-2 border-slate-200 rounded-xl font-bold text-slate-800 text-2xl focus:outline-none focus:border-blue-500 focus:bg-white transition-colors" placeholder="0">
            </div>

            <div class="flex justify-between items-center px-4 py-3 bg-slate-100 border border-slate-200 rounded-xl">
                <span class="text-xs uppercase font-bold text-slate-500">Kembali</span>
                <span class="font-bold text-emerald-600 text-xl" x-text="formatRupiah(changeAmount)"></span>
            </div>
        </div>

        <!-- Action Button -->
        <form action="<?= base_url('penjualan/store') ?>" method="post" @submit.prevent="submitForm">
            <?= csrf_field() ?>
            <input type="hidden" name="items" :value="JSON.stringify(cart)">
            <!-- Pass PPN or let backend calc? Let's assume backend recalcs for security, but we save total. -->

            <button type="submit"
                :disabled="cart.length === 0 || payAmount < grandTotal"
                :class="cart.length === 0 || payAmount < grandTotal ? 'bg-slate-200 text-slate-400 cursor-not-allowed' : 'bg-blue-600 hover:bg-blue-700 text-white shadow-lg shadow-blue-200 hover:-translate-y-0.5'"
                class="w-full py-4 rounded-xl font-bold transition-all flex items-center justify-center gap-2">
                <i class="fas fa-print"></i> Simpan & Cetak Struk
            </button>
        </form>
    </div>
</div>

<style>
    /* Custom Scrollbar for sleek look */
    .custom-scrollbar::-webkit-scrollbar {
        width: 6px;
    }
    .custom-scrollbar::-webkit-scrollbar-track {
        background: transparent;
    }
    .custom-scrollbar::-webkit-scrollbar-thumb {
        background-color: #cbd5e1;
        border-radius: 20px;
    }
    .no-scrollbar::-webkit-scrollbar {
        display: none; /* Hide scrollbar for tabs */
    }
    .no-scrollbar {
        -ms-overflow-style: none;
```

```
        scrollbar-width: none;
    }

    /* Remove number arrows */
    .no-spinners::-webkit-inner-spin-button,
    .no-spinners::-webkit-outer-spin-button {
        -webkit-appearance: none;
        margin: 0;
    }
    .no-spinners {
        -moz-appearance: textfield;
    }
</style>

<script>
    const allProducts = <?= json_encode($barang) ?>;

    function posSystem() {
        return {
            search: '',
            activeCategory: 'all',
            cart: [],
            formattedPayAmount: '',
            payAmount: 0,

            get filteredItems() {
                let items = allProducts;

                // Filter by Category
                if (this.activeCategory !== 'all') {
                    items = items.filter(item => item.nama_kategori === this.activeCategory);
                }

                // Filter by Search
                if (this.search !== '') {
                    const term = this.search.toLowerCase();
                    items = items.filter(item =>
                        item.nama_barang.toLowerCase().includes(term) ||
                        item.kode_barang.toLowerCase().includes(term)
                    );
                }

                return items;
            },

            get subTotal() {
                return this.cart.reduce((total, item) => total + item.subtotal, 0);
            },

            get taxAmount() {
                return this.subTotal * 0.11; // 11% PPN
            },

            get grandTotal() {
                return this.subTotal + this.taxAmount;
            },

            get changeAmount() {
                return Math.max(0, this.payAmount - this.grandTotal);
            },

            addToCart(product) {
                const existingItem = this.cart.find(item => item.id === product.id);

                if (existingItem) {
                    if(existingItem.qty < product.stok) {
                        existingItem.qty++;
                        existingItem.subtotal = existingItem.qty * existingItem.price;
                    } else {
                        Swal.fire({
                            toast: true,
                            position: 'top-end',
                            icon: 'warning',
```

```
                    title: 'Stok barang
mencukupi batas',
                    showConfirmButto
n: false,
                    timer: 2000
                });
            }
        } else {
            if (product.stok > 0) {
                this.cart.push({
                    id: product.id,
                    name:
product.nama_barang,
                    price:
parseFloat(product.harga_jual),
                    qty: 1,
                    satuan_id:
product.satuan_dasar_id,
                    unit:
product.nama_satuan,
                    subtotal:
parseFloat(product.harga_jual),
                    max_stock:
parseInt(product.stok)
                });
            } else {
                Swal.fire({
                    toast: true,
                    position: 'top-end',
                    icon: 'error',
                    title: 'Stok Habis',
                    showConfirmButto
n: false,
                    timer: 2000
                });
            }
        }
    },

    validateQty(index) {
        const item =
this.cart[index];
        let qty = parseInt(item.qty);
        if (isNaN(qty) || qty < 1)
qty = 1;

        if (qty > item.max_stock) {
            qty = item.max_stock;
            Swal.fire({
                toast: true,
                position: 'top-end',
                icon: 'warning',
                title: 'Maksimal stok: '
+ item.max_stock,
                showConfirmButton:
false,
                timer: 2000
            });
        }

        item.qty = qty;
        item.subtotal = item.qty *
item.price;
    },

    updateQty(index, change) {
        const item =
this.cart[index];
        const newQty = item.qty +
change;

        if (newQty > 0 &&
newQty <= item.max_stock) {
            item.qty = newQty;
            item.subtotal = item.qty
* item.price;
        } else if (newQty >
item.max_stock) {
            Swal.fire({
                toast: true,
                position: 'top-end',
                icon: 'warning',
                title: 'Maksimal stok: '
+ item.max_stock,
                showConfirmButton:
false,
                timer: 2000
            });
        }
    },

    removeFromCart(index) {
        this.cart.splice(index, 1);
    },
```

```
        formatRupiah(number) {
            return new
Intl.NumberFormat('id-ID', { style:
'currency', currency: 'IDR',
minimumFractionDigits: 0
}).format(number);
        },

        setUangPas() {
            if(this.grandTotal > 0) {
                this.payAmount =
this.grandTotal;
                this.formattedPayAmou
nt = new Intl.NumberFormat('id-
ID').format(this.payAmount);
            }
        },

        updatePayAmount() {
            // Remove all non-digits
            let val =
this.formattedPayAmount.replace(/\
D/g, '');
            this.payAmount =
parseInt(val) || 0;

            // Format back to dot
separated
            if(val !== '') {
                this.formattedPayAmou
nt = new Intl.NumberFormat('id-
ID').format(this.payAmount);
            } else {
                this.formattedPayAmou
nt = '';
            }
        },

        submitForm(e) {
            if(this.cart.length === 0)
return;

            // Optional: Store Pay
Amount & Change in hidden input if
needed server side
            // For now just submit cart

            Swal.fire({
                title: 'Selesai
Transaksi?',
                html: `
                    <div class="text-left
bg-slate-50 p-4 rounded-lg text-sm">
                        <div class="flex
justify-between mb-1"><span>Total
Belanja:</span> <span class="font-
bold">${this.formatRupiah(this.gran
dTotal)}</span></div>
                        <div class="flex
justify-between mb-
1"><span>Tunai:</span> <span
class="font-bold text-blue-
600">${this.formatRupiah(this.payA
mount)}</span></div>
                        <div class="flex
justify-between border-t pt-2 mt-
2"><span>Kembali:</span> <span
class="font-bold text-emerald-
600">${this.formatRupiah(this.chan
geAmount)}</span></div>
                    </div>
                `,
                icon: 'question',
                showCancelButton: true,
                confirmButtonColor:
'#2563EB', // Blue-600
                cancelButtonColor:
'#94a3b8',
                confirmButtonText: 'Ya,
Cetak Struk',
                cancelButtonText:
'Batal'
            }).then((result) => {
                if (result.isConfirmed) {
                    e.target.submit();
                }
            });
        }
    }
</script>
<?= $this->endSection() ?>
```

Pdf_Pembelian.php

```
<!DOCTYPE html>
<html>
<head>
    <title><?= $title ?></title>
    <?= view('laporan/pdf_styles') ?>
</head>
<body>
    <div class="header">
        <table style="width: 100%; border: none;">
            <tr>
                <td style="width: 160px; border: none; vertical-align: middle; text-align: left; padding: 0;">
                    <?php
                        $logo = get_logo_base64();
                        $nama_toko = get_app_name();
                    ?>
                    <?php if($logo): ?>
                        <img src="<?= $logo ?>" style="width: 150px; height: auto;">
                    <?php endif; ?>
                </td>
                <td style="border: none; vertical-align: middle; text-align: center;">
                    <h1 style="margin: 0; font-size: 18pt;"><?= $nama_toko ?></h1>
                    <p style="margin: 5px 0 0; font-size: 14pt; font-weight: bold;"><?= $title ?></p>
                    <p class="subtitle" style="margin-top: 5px;">Periode: <?= date('d/m/Y', strtotime($start_date)) ?> - <?= date('d/m/Y', strtotime($end_date)) ?></p>
                </td>
            </tr>
        </table>
    </div>

    <table>
        <thead>
            <tr>
                <th width="5%">No</th>
                <th width="15%">Tanggal</th>
                <th width="20%">No PO</th>
                <th width="25%">Pemasok</th>
                <th width="15%" class="text-center">Status</th>
                <th width="20%" class="text-right">Total Est.</th>
            </tr>
        </thead>
        <tbody>
            <?php if(empty($pembelian)): ?>
            <tr>
                <td colspan="6" class="text-center">Tidak ada data pembelian</td>
            </tr>
            <?php else: ?>
                <?php $no = 1; foreach($pembelian as $p): ?>
                <tr>
                    <td class="text-center"><?= $no++ ?></td>
                    <td><?= date('d/m/Y', strtotime($p['created_at'])) ?></td>
                    <td><?= $p['no_po'] ?></td>
                    <td><?= $p['nama_toko'] ?></td>
                    <td class="text-center"><?= ucfirst($p['status']) ?></td>
                    <td class="text-right">Rp <?= number_format($p['total_estimasi'], 0, ',', '.') ?></td>
                </tr>
                <?php endforeach; ?>
                <tr class="total-row">
```

```
                <td colspan="5"
class="text-right">Total
Pembelian</td>
                <td class="text-
right">Rp <?=
number_format($total_pembelian, 0,
',', '.') ?></td>
            </tr>
        <?php endif; ?>
    </tbody>
</table>

<div class="meta">
    Dicetak pada: <?= date('d/m/Y
H:i') ?> | Oleh: <?= session()-
>get('nama_lengkap') ?>
</div>
</body>
</html>
```

Pdf_Penjualan.php

```
<!DOCTYPE html>
<html>
<head>
<title><?= $title ?></title>
<?= view('laporan/pdf_styles') ?>
</head>
<body>
<div class="header">
    <table style="width: 100%;
border: none;">
        <tr>
            <td style="width: 160px;
border: none; vertical-align: middle;
text-align: left; padding: 0;">
                <?php
                    $logo =
get_logo_base64();
                    $nama_toko =
get_app_name();
                ?>
                <?php if($logo): ?>
                    <img src="<?= $logo
?>" style="width: 150px; height:
auto;">
                <?php endif; ?>
            </td>
            <td style="border: none;
vertical-align: middle; text-align:
center;">
                <h1 style="margin: 0;
font-size: 18pt;"><?= $nama_toko
?></h1>
                <p style="margin: 5px 0
0; font-size: 14pt; font-weight:
bold;"><?= $title ?></p>
                <p class="subtitle"
style="margin-top: 5px;">Periode:
<?= date('d/m/Y',
strtotime($start_date)) ?> - <?=
date('d/m/Y', strtotime($end_date))
?></p>
            </td>
        </tr>
    </table>
</div>

<table>
    <thead>
        <tr>
            <th width="5%">No</th>
            <th
width="15%">Tanggal</th>
            <th width="20%">No
Faktur</th>
            <th
width="20%">Kasir</th>
            <th width="20%"
class="text-right">Total</th>
        </tr>
    </thead>
    <tbody>
        <?php if(empty($penjualan)):
?>
        <tr>
            <td colspan="5"
class="text-center">Tidak ada data
penjualan</td>
        </tr>
        <?php else: ?>
            <?php $no = 1;
foreach($penjualan as $p): ?>
            <tr>
```

```
                <td class="text-
center"><?= $no++ ?></td>
                <td><?= date('d/m/Y
H:i', strtotime($p['created_at']))
?></td>
                <td><?= $p['no_faktur']
?></td>
                <td><?= $p['kasir']
?></td>
                <td class="text-
right">Rp <?=
number_format($p['total_harga'], 0,
',', '.') ?></td>
            </tr>
            <?php endforeach; ?>
            <tr class="total-row">
                <td colspan="4"
class="text-right">Total
Pendapatan</td>
                <td class="text-
right">Rp <?=
number_format($total_pendapatan,
0, ',', '.') ?></td>
            </tr>
        <?php endif; ?>
    </tbody>
</table>

<div class="meta">
    Dicetak pada: <?= date('d/m/Y
H:i') ?> | Oleh: <?= session()-
>get('nama_lengkap') ?>
</div>
</body>
</html>
```

Pdf_stok.php

```
<!DOCTYPE html>
<html>
<head>
    <title><?= $title ?></title>
    <?= view('laporan/pdf_styles') ?>
</head>
<body>
    <div class="header">
        <table style="width: 100%;
border: none;">
            <tr>
                <td style="width: 160px;
border: none; vertical-align: middle;
text-align: left; padding: 0;">
                    <?php
                        $logo =
get_logo_base64();
                        $nama_toko =
get_app_name();
                    ?>
                    <?php if($logo): ?>
                        <img src="<?= $logo
?>" style="width: 150px; height:
auto;">
                    <?php endif; ?>
                </td>
                <td style="border: none;
vertical-align: middle; text-align:
center;">
                    <h1 style="margin: 0;
font-size: 18pt;"><?= $nama_toko
?></h1>
                    <p style="margin: 5px 0
0; font-size: 14pt; font-weight:
bold;"><?= $title ?></p>
                    <p class="subtitle"
style="margin-top: 5px;">Per
Tanggal: <?= date('d F Y',
strtotime($date)) ?></p>
                </td>
            </tr>
        </table>
    </div>

    <table>
        <thead>
            <tr>
                <th width="5%">No</th>
                <th
width="15%">Kode</th>
                <th width="30%">Nama
Barang</th>
                <th
width="15%">Kategori</th>
```

```
            <th width="10%"
class="text-center">Stok</th>
            <th width="10%"
class="text-center">Satuan</th>
            <th width="15%"
class="text-right">Nilai Aset</th>
          </tr>
        </thead>
        <tbody>
          <?php if(empty($stok)): ?>
          <tr>
            <td colspan="7"
class="text-center">Tidak ada data
stok</td>
          </tr>
          <?php else: ?>
            <?php
              $no = 1;
              foreach($stok as $s):
                $cost =
isset($s['harga_beli']) ?
$s['harga_beli'] : 0;
                $aset = $s['stok'] *
$cost;
            ?>
            <tr>
              <td class="text-
center"><?= $no++ ?></td>
              <td><?=
$s['kode_barang'] ?></td>
              <td><?=
$s['nama_barang'] ?></td>
              <td><?=
$s['nama_kategori'] ?></td>
              <td class="text-center
<?= $s['stok'] <= $s['rop_min'] ?
'font-bold' : '' ?>" style="<?=
$s['stok'] <= $s['rop_min'] ? 'color:
red;' : '' ?>">
                <?= $s['stok'] ?>
              </td>
              <td class="text-
center"><?= $s['nama_satuan']
?></td>
              <td class="text-
right">Rp <?= number_format($aset,
0, ',', '.') ?></td>
            </tr>
            <?php endforeach; ?>
            <tr class="total-row">
              <td colspan="6"
class="text-right">Total Nilai Aset
Stok</td>
              <td class="text-
right">Rp <?=
number_format($total_aset, 0, ',', '.')
?></td>
            </tr>
          <?php endif; ?>
        </tbody>
    </table>

    <div class="meta">
        Dicetak pada: <?= date('d/m/Y
H:i') ?> | Oleh: <?= session()-
>get('nama_lengkap') ?>
    </div>
</body>
</html>
```

Pembelian.php

```
<?= $this->extend('layout/template')
?>

<?= $this->section('content') ?>

<?= $this->section('header_action')
?>
    <div class="flex items-center gap-
3 no-print">
        <a href="<?=
base_url('laporan/print_pembelian?st
art_date=' . $start_date .
'&end_date=' . $end_date) ?>"
target="_blank" class="bg-white
border border-slate-300 hover:bg-
slate-50 text-slate-700 px-4 py-2
rounded-lg font-bold transition-
colors flex items-center gap-2">
            <i class="fas fa-print"></i>
Cetak PDF
        </a>
    </div>
```

```
<?= $this->endSection() ?>

<!-- Filter & Summary -->
<div class="grid grid-cols-1 lg:grid-cols-4 gap-6 mb-6 no-print">
    <!-- Filter -->
    <div class="lg:col-span-3 bg-white rounded-xl shadow-sm border border-slate-100 p-6">
        <form action="" method="get" class="flex items-end gap-4">
            <div class="flex-1">
                <label class="block text-sm font-bold text-slate-700 mb-2">Dari Tanggal</label>
                <input type="date" name="start_date" value="<?= $start_date ?>" class="w-full rounded-lg border-slate-300">
            </div>
            <div class="flex-1">
                <label class="block text-sm font-bold text-slate-700 mb-2">Sampai Tanggal</label>
                <input type="date" name="end_date" value="<?= $end_date ?>" class="w-full rounded-lg border-slate-300">
            </div>
            <button type="submit" class="bg-blue-600 hover:bg-blue-700 text-white px-6 py-2.5 rounded-lg font-bold transition-colors">
                <i class="fas fa-filter mr-2"></i> Filter
            </button>
            <a href="<?= base_url('laporan/pembelian') ?>" class="bg-slate-100 hover:bg-slate-200 text-slate-600 px-4 py-2.5 rounded-lg font-bold transition-colors">
                Reset
            </a>
        </form>
    </div>

    <!-- Summary Card -->
    <div class="bg-gradient-to-br from-emerald-600 to-emerald-800 rounded-xl shadow-lg shadow-emerald-200 p-6 text-white">
        <div class="flex items-center justify-between mb-4">
            <div class="opacity-80 font-medium text-sm">Total Pembelian</div>
            <div class="w-8 h-8 rounded-full bg-white/20 flex items-center justify-center">
                <i class="fas fa-shopping-bag"></i>
            </div>
        </div>
        <div class="text-2xl font-bold">Rp <?= number_format($total_pembelian, 0, ',', '.') ?></div>
        <div class="mt-2 text-xs opacity-70">
            Periode: <?= date('d M', strtotime($start_date)) ?> - <?= date('d M Y', strtotime($end_date)) ?>
        </div>
    </div>
</div>

<!-- Table -->
<div class="bg-white rounded-xl shadow-sm overflow-hidden border border-slate-100">
    <div class="overflow-x-auto">
        <table class="w-full text-left text-sm">
            <thead class="bg-slate-50 text-slate-500 uppercase font-bold border-b border-slate-100">
                <tr>
                    <th class="px-6 py-4">Tanggal</th>
                    <th class="px-6 py-4">No PO</th>
```

```
                <th class="px-6 py-4">Pemasok</th>
                <th class="px-6 py-4 text-center">Status</th>
                <th class="px-6 py-4 text-right">Estimasi Total</th>
                <th class="px-6 py-4 text-center">Aksi</th>
            </tr>
        </thead>
        <tbody class="divide-y divide-slate-100">
            <?php if(empty($pembelian)): ?>
            <tr>
                <td colspan="6" class="px-6 py-8 text-center text-slate-400 italic">
                    Tidak ada data pembelian pada periode ini.
                </td>
            </tr>
            <?php else: ?>
                <?php foreach($pembelian as $p): ?>
                <tr class="hover:bg-slate-50 transition-colors">
                    <td class="px-6 py-4 text-slate-600">
                        <?= date('d/m/Y', strtotime($p['created_at'])) ?>
                    </td>
                    <td class="px-6 py-4 font-bold text-slate-800">
                        <?= $p['no_po'] ?>
                    </td>
                    <td class="px-6 py-4 text-slate-600">
                        <?= $p['nama_toko'] ?>
                    </td>
                    <td class="px-6 py-4 text-center">
                        <?php
                            $statusClass = match($p['status']) {
                                'draft' => 'bg-slate-100 text-slate-600',
                                'terkirim' => 'bg-blue-100 text-blue-700',
                                'dikonfirmasi' => 'bg-amber-100 text-amber-700',
                                'dikirim' => 'bg-purple-100 text-purple-700',
                                'diterima' => 'bg-emerald-100 text-emerald-700',
                                'parsial' => 'bg-teal-100 text-teal-700',
                                default => 'bg-slate-100 text-slate-600'
                            };
                        ?>
                        <span class="px-2 py-1 rounded text-xs font-bold uppercase <?= $statusClass ?>">
                            <?= $p['status'] ?>
                        </span>
                    </td>
                    <td class="px-6 py-4 text-right font-bold text-slate-800">
                        Rp <?= number_format($p['total_estimasi'], 0, ',', '.') ?>
                    </td>
                    <td class="px-6 py-4 text-center">
                        <a href="<?= base_url('pembelian/show/' . $p['id']) ?>" class="text-blue-600 hover:text-blue-800 font-medium text-xs">Detail</a>
                    </td>
                </tr>
                <?php endforeach; ?>
            <?php endif; ?>
        </tbody>
    </table>
  </div>
</div>

<?= $this->endSection() ?>
```

Penjualan.php

```
<?= $this->extend('layout/template') ?>

<?= $this->section('content') ?>

<?= $this->section('header_action') ?>
    <div class="flex items-center gap-3 no-print">
        <a href="<?= base_url('laporan/print_penjualan?start_date=' . $start_date . '&end_date=' . $end_date) ?>" target="_blank" class="bg-white border border-slate-300 hover:bg-slate-50 text-slate-700 px-4 py-2 rounded-lg font-bold transition-colors flex items-center gap-2">
            <i class="fas fa-print"></i> Cetak PDF
        </a>
    </div>
<?= $this->endSection() ?>

<!-- Print Only Header -->
<div class="hidden block-print mb-6">
    <h1 class="text-2xl font-bold text-slate-900 text-center uppercase tracking-wider">Laporan Penjualan</h1>
    <p class="text-center text-slate-500 text-sm mt-1">Panglong Cinta Tanjung Balai</p>
    <p class="text-center text-slate-500 text-xs mt-1">Periode: <?= date('d/m/Y', strtotime($start_date)) ?> - <?= date('d/m/Y', strtotime($end_date)) ?></p>
    <hr class="mt-4 border-slate-300">
</div>

<!-- Filter & Summary -->
<div class="grid grid-cols-1 lg:grid-cols-4 gap-6 mb-6 no-print">
    <!-- Filter -->
    <div class="lg:col-span-3 bg-white rounded-xl shadow-sm border border-slate-100 p-6">
        <form action="" method="get" class="flex items-end gap-4">
            <div class="flex-1">
                <label class="block text-sm font-bold text-slate-700 mb-2">Dari Tanggal</label>
                <input type="date" name="start_date" value="<?= $start_date ?>" class="w-full rounded-lg border-slate-300">
            </div>
            <div class="flex-1">
                <label class="block text-sm font-bold text-slate-700 mb-2">Sampai Tanggal</label>
                <input type="date" name="end_date" value="<?= $end_date ?>" class="w-full rounded-lg border-slate-300">
            </div>
            <button type="submit" class="bg-blue-600 hover:bg-blue-700 text-white px-6 py-2.5 rounded-lg font-bold transition-colors">
                <i class="fas fa-filter mr-2"></i> Filter
            </button>
            <a href="<?= base_url('laporan/penjualan') ?>" class="bg-slate-100 hover:bg-slate-200 text-slate-600 px-4 py-2.5 rounded-lg font-bold transition-colors">
                Reset
            </a>
        </form>
    </div>

    <!-- Summary Card -->
    <div class="bg-gradient-to-br from-blue-600 to-blue-800 rounded-
```

```
xl shadow-lg shadow-blue-200 p-6 text-white">
        <div class="flex items-center justify-between mb-4">
            <div class="opacity-80 font-medium text-sm">Total Pendapatan</div>
            <div class="w-8 h-8 rounded-full bg-white/20 flex items-center justify-center">
                <i class="fas fa-coins"></i>
            </div>
        </div>
        <div class="text-2xl font-bold">Rp <?= number_format($total_pendapatan, 0, ',', '.') ?></div>
        <div class="mt-2 text-xs opacity-70">
            Periode: <?= date('d M', strtotime($start_date)) ?> - <?= date('d M Y', strtotime($end_date)) ?>
        </div>
    </div>
</div>

<!-- Table -->
<div class="bg-white rounded-xl shadow-sm overflow-hidden border border-slate-100">
    <div class="overflow-x-auto">
        <table class="w-full text-left text-sm">
            <thead class="bg-slate-50 text-slate-500 uppercase font-bold border-b border-slate-100">
                <tr>
                    <th class="px-6 py-4">Tanggal</th>
                    <th class="px-6 py-4">No Faktur</th>
                    <th class="px-6 py-4">Kasir</th>
                    <th class="px-6 py-4 text-right">Total</th>
                    <th class="px-6 py-4 text-center">Aksi</th>
                </tr>
            </thead>
            <tbody class="divide-y divide-slate-100">
                <?php if(empty($penjualan)): ?>
                <tr>
                    <td colspan="5" class="px-6 py-8 text-center text-slate-400 italic">
                        Tidak ada data penjualan pada periode ini.
                    </td>
                </tr>
                <?php else: ?>
                    <?php foreach($penjualan as $p): ?>
                    <tr class="hover:bg-slate-50 transition-colors">
                        <td class="px-6 py-4 text-slate-600">
                            <?= date('d/m/Y H:i', strtotime($p['created_at'])) ?>
                        </td>
                        <td class="px-6 py-4 font-bold text-slate-800">
                            <?= $p['no_faktur'] ?>
                        </td>
                        <td class="px-6 py-4 text-slate-600">
                            <?= $p['kasir'] ?>
                        </td>
                        <td class="px-6 py-4 text-right font-bold text-slate-800">
                            Rp <?= number_format($p['total_harga'], 0, ',', '.') ?>
                        </td>
                        <td class="px-6 py-4 text-center">
                            <a href="<?= base_url('penjualan/show/' . $p['id']) ?>" class="text-blue-600 hover:text-
```

```
blue-800 font-medium text-
xs">Detail</a>
                    </td>
                </tr>
                <?php endforeach; ?>
            <?php endif; ?>
        </tbody>
    </table>
  </div>
</div>

<?= $this->endSection() ?>
```

Stok.php

```
<?= $this->extend('layout/template')
?>

<?= $this->section('content') ?>

<?= $this->section('header_action')
?>
  <a href="<?=
base_url('laporan/print_stok') ?>"
target="_blank" class="bg-white
border border-slate-300 hover:bg-
slate-50 text-slate-700 px-4 py-2
rounded-lg font-bold transition-
colors flex items-center gap-2">
    <i class="fas fa-print"></i>
Cetak PDF
  </a>
<?= $this->endSection() ?>

<!-- Summary Card -->
<div class="grid grid-cols-1 md:grid-
cols-2 lg:grid-cols-3 gap-6 mb-8">
  <div class="bg-gradient-to-br
from-indigo-600 to-indigo-800
rounded-xl shadow-lg shadow-
indigo-200 p-6 text-white">
    <div class="flex items-center
justify-between mb-4">
      <div class="opacity-80 font-
medium text-sm">Total Nilai
Aset</div>
      <div class="w-8 h-8 rounded-
full bg-white/20 flex items-center
justify-center">
        <i class="fas fa-
warehouse"></i>
      </div>
    </div>
    <div class="text-3xl font-
bold">Rp <?=
number_format($total_aset, 0, ',', '.')
?></div>
    <div class="mt-2 text-xs
opacity-70">
      Berdasarkan Harga Beli
Terakhir
    </div>
  </div>
</div>

<!-- Table -->
<div class="bg-white rounded-xl
shadow-sm overflow-hidden border
border-slate-100">
  <div class="px-6 py-4 border-b
border-slate-100 bg-slate-50 flex
justify-between items-center">
    <h3 class="font-bold text-slate-
700">Rincian Per Barang</h3>
  </div>
  <div class="overflow-x-auto">
    <table class="w-full text-left
text-sm">
      <thead class="bg-white text-
slate-500 uppercase font-bold
border-b border-slate-100">
        <tr>
          <th class="px-6 py-
4">Barang</th>
          <th class="px-6 py-
4">Kategori</th>
          <th class="px-6 py-4
text-center">Stok</th>
          <th class="px-6 py-4
text-right">Harga Beli Update</th>
          <th class="px-6 py-4
text-right">Subtotal Aset</th>
        </tr>
```

```
            </thead>
            <tbody class="divide-y divide-slate-100">
                <?php foreach($stok as $s):
                    $cost = isset($s['harga_beli']) ? $s['harga_beli'] : 0;
                    $assetVal = $s['stok'] * $cost;
                ?>
                <tr class="hover:bg-slate-50 transition-colors">
                    <td class="px-6 py-4">
                        <div class="font-bold text-slate-800"><?= $s['nama_barang'] ?></div>
                        <div class="text-xs text-slate-500"><?= $s['kode_barang'] ?></div>
                    </td>
                    <td class="px-6 py-4 text-slate-600">
                        <?= $s['nama_kategori'] ?>
                    </td>
                    <td class="px-6 py-4 text-center">
                        <?php if($s['stok'] <= 5): ?>
                            <span class="text-red-500 font-bold"><?= $s['stok'] ?></span>
                        <?php else: ?>
                            <span class="text-slate-700 font-bold"><?= $s['stok'] ?></span>
                        <?php endif; ?>
                        <span class="text-xs text-slate-400"><?= $s['nama_satuan'] ?></span>
                    </td>
                    <td class="px-6 py-4 text-right text-slate-600">
                        Rp <?= number_format($cost, 0, ',', '.') ?>
                    </td>
                    <td class="px-6 py-4 text-right font-bold text-indigo-700">
                        Rp <?= number_format($assetVal, 0, ',', '.') ?>
                    </td>
                </tr>
                <?php endforeach; ?>
            </tbody>
        </table>
    </div>
</div>

<?= $this->endSection() ?>
```

Gudang.php

```
<?= $this->extend('layout/template') ?>

<?= $this->section('content') ?>

<!-- KPI Cards -->
<div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-4 gap-6 mb-8">

    <!-- Penjualan Bulan Ini (Blue) -->
    <div class="bg-blue-600 rounded-xl shadow-lg p-6 text-white relative overflow-hidden group hover:shadow-xl transition-all duration-300">
        <div class="absolute right-0 top-0 opacity-10 transform translate-x-3 -translate-y-3 group-hover:scale-110 transition-transform">
            <i class="fas fa-chart-line text-8xl"></i>
        </div>
        <div class="relative z-10">
            <div class="flex items-center justify-between mb-4">
                <div>
                    <p class="text-blue-100 text-sm font-medium">Penjualan Bulan Ini</p>
```

```
                <p class="text-2xl font-bold mt-1">Rp <?= number_format($sales_month, 0, ',', '.') ?></p>
            </div>
            <div class="bg-white/20 p-3 rounded-lg backdrop-blur-sm">
                <i class="fas fa-cash-register text-xl text-white"></i>
            </div>
        </div>
        <div class="text-sm text-blue-50 opacity-90">
            <?= date('F Y') ?>
        </div>
    </div>
</div>

<!-- Pembelian Bulan Ini (Emerald) - REPLACED Total Produk for relevance -->
<div class="bg-emerald-600 rounded-xl shadow-lg p-6 text-white relative overflow-hidden group hover:shadow-xl transition-all duration-300">
    <div class="absolute right-0 top-0 opacity-10 transform translate-x-3 -translate-y-3 group-hover:scale-110 transition-transform">
        <i class="fas fa-shopping-bag text-8xl"></i>
    </div>
    <div class="relative z-10">
        <div class="flex items-center justify-between mb-4">
            <div>
                <p class="text-emerald-100 text-sm font-medium">Pembelian Bulan Ini</p>
                <p class="text-2xl font-bold mt-1">Rp <?= number_format($purchase_month, 0, ',', '.') ?></p>
            </div>
            <div class="bg-white/20 p-3 rounded-lg backdrop-blur-sm">
                <i class="fas fa-truck-loading text-xl text-white"></i>
            </div>
        </div>
        <div class="text-sm text-emerald-50 opacity-90">
            <?= date('F Y') ?>
        </div>
    </div>
</div>

<!-- Stok Kritis (Red) -->
<div class="bg-red-600 rounded-xl shadow-lg p-6 text-white relative overflow-hidden group hover:shadow-xl transition-all duration-300">
    <div class="absolute right-0 top-0 opacity-10 transform translate-x-3 -translate-y-3 group-hover:scale-110 transition-transform">
        <i class="fas fa-exclamation-triangle text-8xl"></i>
    </div>
    <div class="relative z-10">
        <div class="flex items-center justify-between mb-4">
            <div>
                <p class="text-red-100 text-sm font-medium">Stok Kritis</p>
                <p class="text-3xl font-bold mt-1"><?= $low_stock_count ?></p>
            </div>
            <div class="bg-white/20 p-3 rounded-lg backdrop-blur-sm">
                <i class="fas fa-exclamation-triangle text-xl text-white"></i>
            </div>
        </div>
        <div class="text-sm text-red-50 opacity-90">
            Perlu re-order segera
        </div>
    </div>
```

```
    </div>

    <!-- Estimasi Profit (Amber) - Mockup calc: Sales - 80% (COGS est) -->
    <div class="bg-amber-500 rounded-xl shadow-lg p-6 text-white relative overflow-hidden group hover:shadow-xl transition-all duration-300">
        <div class="absolute right-0 top-0 opacity-10 transform translate-x-3 -translate-y-3 group-hover:scale-110 transition-transform">
            <i class="fas fa-coins text-8xl"></i>
        </div>
        <div class="relative z-10">
            <div class="flex items-center justify-between mb-4">
                <div>
                    <p class="text-amber-100 text-sm font-medium">Est. Profit Kasar</p>
                    <!-- Simple assumption: Profit is ~20% of sales for visualization -->
                    <p class="text-2xl font-bold mt-1">Rp <?= number_format($sales_month * 0.2, 0, ',', '.') ?></p>
                </div>
                <div class="bg-white/20 p-3 rounded-lg backdrop-blur-sm">
                    <i class="fas fa-hand-holding-usd text-xl text-white"></i>
                </div>
            </div>
            <div class="text-sm text-amber-50 opacity-90">
                ~20% Margin
            </div>
        </div>
    </div>

</div>

<div class="grid grid-cols-1 lg:grid-cols-3 gap-8 mb-8">

    <!-- Sales Chart -->
    <div class="lg:col-span-2 bg-white rounded-xl shadow-sm border border-slate-100 p-6">
        <div class="flex justify-between items-center mb-6">
            <h3 class="font-bold text-slate-800">Tren Penjualan (7 Hari Terakhir)</h3>
        </div>
        <div class="h-64 relative">
            <canvas id="salesChart"></canvas>
        </div>
    </div>

    <!-- Top Products -->
    <div class="lg:col-span-1 bg-white rounded-xl shadow-sm border border-slate-100 p-6">
        <h3 class="font-bold text-slate-800 mb-4">Produk Terlaris</h3>

        <!-- Product Chart -->
        <div class="h-40 mb-4 relative">
            <canvas id="productChart"></canvas>
        </div>

        <div class="space-y-4">
            <?php if (empty($top_products)): ?>
                <p class="text-slate-400 text-center py-4 italic">Belum ada data penjualan</p>
            <?php else: ?>
                <?php foreach ($top_products as $index => $prod): ?>
                    <div class="flex items-center justify-between">
                        <div class="flex items-center gap-3">
```

```
                    <div class="w-8 h-8 rounded-full bg-blue-100 text-blue-600 flex items-center justify-center font-bold text-xs">
                        <?= $index + 1 ?>
                    </div>
                    <div>
                        <p class="text-sm font-bold text-slate-700 line-clamp-1"><?= $prod['nama_barang'] ?></p>
                        <p class="text-xs text-slate-500"><?= $prod['total_qty'] ?> Terjual</p>
                    </div>
                </div>
                <!-- Mock trend icon -->
                <i class="fas fa-arrow-trend-up text-emerald-500 text-xs"></i>
            </div>
            <?php endforeach; ?>
        <?php endif; ?>
    </div>
    <div class="mt-6 pt-4 border-t border-slate-100 text-center">
        <a href="<?= base_url('laporan/penjualan') ?>" class="text-sm text-blue-600 hover:text-blue-800 font-medium">Lihat Laporan Lengkap</a>
    </div>
  </div>
</div>

<?= $this->endSection() ?>

<?= $this->section('scripts') ?>
<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
<script>
  document.addEventListener('DOMContentLoaded', function() {
    const ctx = document.getElementById('salesChart').getContext('2d');

    // Gradient for chart
    const gradient = ctx.createLinearGradient(0, 0, 0, 400);
    gradient.addColorStop(0, 'rgba(37, 99, 235, 0.2)'); // Blue with opacity
    gradient.addColorStop(1, 'rgba(37, 99, 235, 0)');

    new Chart(ctx, {
        type: 'line',
        data: {
            labels: <?= $chart_labels ?>, // Passed from controller
            datasets: [{
                label: 'Penjualan (Rp)',
                data: <?= $chart_data ?>, // Passed from controller
                borderColor: '#2563EB', // Blue-600
                backgroundColor: gradient,
                borderWidth: 2,
                pointBackgroundColor: '#FFFFFF',
                pointBorderColor: '#2563EB',
                pointRadius: 4,
                fill: true,
                tension: 0.4
            }]
        },
        options: {
            responsive: true,
            maintainAspectRatio: false,
            plugins: {
                legend: {
                    display: false
                },
                tooltip: {
                    mode: 'index',
```

```
                intersect: false,
                callbacks: {
                    label:
function(context) {
                        let label =
context.dataset.label || '';
                        if (label) {
                            label += ': ';
                        }
                        if
(context.parsed.y !== null) {
                            label += new
Intl.NumberFormat('id-ID', {
                                style:
'currency',
                                currency:
'IDR'
                            }).format(cont
ext.parsed.y);
                        }
                        return label;
                    }
                }
            },
            scales: {
                y: {
                    beginAtZero: true,
                    ticks: {
                        callback:
function(value) {
                            return 'Rp ' +
(value / 1000) + 'k';
                        }
                    },
                    grid: {
                        borderDash: [2, 2],
                        color: '#f1f5f9'
                    }
                },
                x: {
                    grid: {
                        display: false
                    }
                }
            }
        });

        // Product Chart
        const ctxProduct =
document.getElementById('productC
hart').getContext('2d');
        new Chart(ctxProduct, {
            type: 'bar',
            data: {
                labels: <?=
$top_product_labels ?>,
                datasets: [{
                    label: 'Terjual (Unit)',
                    data: <?=
$top_product_views ?>,
                    backgroundColor: [
                        'rgba(37, 99, 235,
0.8)',
                        'rgba(16, 185, 129,
0.8)',
                        'rgba(245, 158, 11,
0.8)',
                        'rgba(139, 92, 246,
0.8)',
                        'rgba(236, 72, 153,
0.8)'
                    ],
                    borderRadius: 4,
                    barThickness: 20
                }]
            },
            options: {
                responsive: true,
                maintainAspectRatio:
false,
                indexAxis: 'y',
                plugins: {
                    legend: {
                        display: false
                    },
                    tooltip: {
                        enabled: true
                    }
                },
                scales: {
                    x: {
                        grid: {
```

```
                display: false,
                drawBorder: false
            },
            ticks: {
                display: false
            }
        },
        y: {
            grid: {
                display: false,
                drawBorder: false
            },
            ticks: {
                font: {
                    size: 10
                },
                autoSkip: false
            }
        }
    }
  });
});
</script>
<?= $this->endSection() ?>
```

Kasir.php

```
<?= $this->extend('layout/template') ?>

<?= $this->section('content') ?>

<div class="grid grid-cols-1 md:grid-cols-3 gap-6 mb-8">
  <!-- Welcome Card -->
  <div class="md:col-span-3 bg-gradient-to-r from-blue-600 to-indigo-700 rounded-2xl p-8 text-white shadow-lg relative overflow-hidden">
    <div class="absolute top-0 right-0 p-4 opacity-10">
      <i class="fas fa-cash-register text-9xl transform rotate-12"></i>
    </div>
    <div class="relative z-10">
      <h2 class="text-3xl font-bold mb-2">Selamat Datang, <?= session()->get('nama_lengkap') ?>! □</h2>
      <p class="text-blue-100 text-lg mb-6">Siap melayani pelanggan hari ini?</p>

      <a href="<?= base_url('penjualan/create') ?>" class="inline-flex items-center bg-white text-blue-700 font-bold py-3 px-6 rounded-xl shadow-md hover:bg-blue-50 transition-transform transform hover:scale-105">
        <i class="fas fa-plus-circle mr-2 text-xl"></i> Buat Transaksi Baru
      </a>
    </div>
  </div>

  <!-- Stats Card: Total Barang -->
  <div class="bg-white rounded-xl shadow-sm p-6 border-l-4 border-emerald-500">
    <div class="flex items-center justify-between">
      <div>
        <p class="text-sm font-medium text-slate-500">Total Stok Barang</p>
        <p class="text-3xl font-bold text-slate-800 mt-1"><?= number_format($total_barang) ?></p>
      </div>
      <div class="bg-emerald-50 p-4 rounded-xl text-emerald-600">
        <i class="fas fa-box text-2xl"></i>
      </div>
    </div>
  </div>

  <!-- Stats Card: Total Supplier -->
```

```
    <div class="bg-white rounded-xl shadow-sm p-6 border-l-4 border-orange-500">
        <div class="flex items-center justify-between">
            <div>
                <p class="text-sm font-medium text-slate-500">Total Supplier</p>
                <p class="text-3xl font-bold text-slate-800 mt-1"><?= number_format($total_supplier) ?></p>
            </div>
            <div class="bg-orange-50 p-4 rounded-xl text-orange-600">
                <i class="fas fa-truck text-2xl"></i>
            </div>
        </div>
    </div>

    <!-- Quick Link: Riwayat Penjualan -->
    <div class="bg-white rounded-xl shadow-sm p-6 border-l-4 border-purple-500 hover:shadow-md transition-shadow group cursor-pointer" onclick="window.location.href='<?= base_url('penjualan') ?>'">
        <div class="flex items-center justify-between">
            <div>
                <p class="text-sm font-medium text-slate-500 group-hover:text-purple-600 transition-colors">Riwayat Penjualan</p>
                <p class="text-sm text-slate-400 mt-1">Lihat transaksi sebelumnya</p>
            </div>
            <div class="bg-purple-50 p-4 rounded-xl text-purple-600 group-hover:bg-purple-100 transition-colors">
                <i class="fas fa-history text-2xl"></i>
            </div>
        </div>
    </div>
</div>

<!-- Recent Transactions (Optional, lightweight) -->
<div class="bg-white rounded-xl shadow-sm overflow-hidden">
    <div class="px-6 py-4 border-b border-slate-100 flex justify-between items-center">
        <h3 class="font-bold text-slate-800">Menu Cepat</h3>
    </div>
    <div class="p-6 grid grid-cols-2 md:grid-cols-4 gap-4">
        <a href="<?= base_url('barang') ?>" class="flex flex-col items-center justify-center p-4 rounded-xl bg-slate-50 hover:bg-slate-100 transition-colors text-slate-600">
            <i class="fas fa-search text-2xl mb-2 text-slate-400"></i>
            <span class="font-medium text-sm">Cek Harga Barang</span>
        </a>
        <a href="<?= base_url('profil') ?>" class="flex flex-col items-center justify-center p-4 rounded-xl bg-slate-50 hover:bg-slate-100 transition-colors text-slate-600">
            <i class="fas fa-user-cog text-2xl mb-2 text-slate-400"></i>
            <span class="font-medium text-sm">Profil Saya</span>
        </a>
    </div>
</div>

<?= $this->endSection() ?>
```

Analisis.php

```
<?= $this->extend('layout/template') ?>

<?= $this->section('content') ?>
<div class="bg-white rounded-xl shadow-sm overflow-hidden" x-data="analisisApp()">
    <div class="px-6 py-4 border-b border-slate-100 flex flex-col sm:flex-row justify-between items-center bg-slate-50">
        <div class="relative w-full sm:w-64 mb-3 sm:mb-0">
            <div class="absolute inset-y-0 left-0 pl-3 flex items-center pointer-events-none">
                <i class="fas fa-search text-slate-400"></i>
            </div>
            <input type="text" x-model="search" class="pl-10 w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 py-2 text-sm" placeholder="Cari Barang...">
        </div>
        <div class="text-sm text-slate-500">
            <i class="fas fa-info-circle mr-1"></i> Data diupdate otomatis saat parameter diubah.
        </div>
    </div>

    <div class="overflow-x-auto">
        <table class="w-full text-left text-sm text-slate-600">
            <thead class="bg-white text-slate-500 uppercase font-medium border-b border-slate-100">
                <tr>
                    <th class="px-6 py-3">Barang</th>
                    <th class="px-6 py-3 text-right">Stok</th>
                    <th class="px-6 py-3 text-right">Permintaan (Thn)</th>
                    <th class="px-6 py-3 text-right">EOQ (Opt)</th>
                    <th class="px-6 py-3 text-right">ROP (Min)</th>
                    <th class="px-6 py-3 text-right">Potensi Hemat</th>
                    <th class="px-6 py-3 text-center">Status</th>
                    <th class="px-6 py-3 text-center">Aksi</th>
                </tr>
            </thead>
            <tbody class="divide-y divide-slate-100">
                <template x-for="item in filteredItems" :key="item.id">
                    <tr class="hover:bg-slate-50 transition-colors">
                        <td class="px-6 py-4">
                            <div class="font-bold text-slate-800" x-text="item.nama_barang"></div>
                            <div class="text-xs text-slate-500 font-mono" x-text="item.kode_barang"></div>
                        </td>
                        <td class="px-6 py-4 text-right">
                            <span class="font-medium" x-text="parseInt(item.stok).toLocaleString()"></span>
                            <span class="text-xs text-slate-400" x-text="item.nama_satuan"></span>
                        </td>
                        <td class="px-6 py-4 text-right text-slate-500">
                            <span x-text="parseInt(item.permintaan_tahunan || 0).toLocaleString()"></span>
                        </td>
                        <td class="px-6 py-4 text-right">
                            <span class="font-bold text-emerald-600" x-
```

```
text="parseInt(item.eoq_opt ||
0).toLocaleString()"></span>
                    </td>
                    <td class="px-6 py-4
text-right">
                        <span class="font-
bold text-amber-600" x-
text="parseInt(item.rop_min ||
0).toLocaleString()"></span>
                    </td>
                    <td class="px-6 py-4
text-right">
                        <span class="font-
bold text-blue-600" x-
text="parseInt(item.potensi_hemat ||
0) > 0 ? 'Rp ' +
parseInt(item.potensi_hemat).toLocal
eString() : '-'"></span>
                    </td>
                    <td class="px-6 py-4
text-center">
                        <div x-
show="parseInt(item.stok) <=
parseInt(item.rop_min)"
class="inline-flex items-center px-
2.5 py-0.5 rounded-full text-xs font-
medium bg-red-100 text-red-800">
                            <i class="fas fa-
exclamation-circle mr-1"></i>
Order!
                        </div>
                        <div x-
show="parseInt(item.stok) >
parseInt(item.rop_min) &&
parseInt(item.stok) <=
parseInt(item.rop_min) * 1.5"
class="inline-flex items-center px-
2.5 py-0.5 rounded-full text-xs font-
medium bg-amber-100 text-amber-
800">
                            <i class="fas fa-
exclamation-triangle mr-1"></i>
Waspada
                        </div>
                        <div x-
show="parseInt(item.stok) >
parseInt(item.rop_min) * 1.5"
class="inline-flex items-center px-
2.5 py-0.5 rounded-full text-xs font-
medium bg-emerald-100 text-
emerald-800">
                            <i class="fas fa-
check-circle mr-1"></i> Aman
                        </div>
                    </td>
                    <td class="px-6 py-4
text-center">
                        <div class="flex
justify-center gap-2">

                            <a :href="'<?=
base_url('inventaris/analisis_detail')
?>/' + item.id" class="text-emerald-
600 hover:text-emerald-800 bg-
emerald-50 hover:bg-emerald-100
px-3 py-1.5 rounded-lg text-xs font-
semibold transition-colors flex items-
center">
                                <i class="fas
fa-chart-pie mr-1"></i> Detail
                            </a>
                            <?php if
(session()->get('peran') != 'gudang'):
?>
                            <button
@click="openModal(item)"
class="text-blue-600 hover:text-blue-
800 bg-blue-50 hover:bg-blue-100
px-3 py-1.5 rounded-lg text-xs font-
semibold transition-colors flex items-
center">
                                <i
class="fas fa-calculator mr-1"></i>
Hitung
                            </button>
                            <?php endif; ?>
                        </div>
                    </td>
                </tr>
            </template>
            <tr x-
show="filteredItems.length === 0">
```

```
                <td colspan="7"
class="px-6 py-8 text-center text-
slate-400">
                    Tidak ada data barang
ditemukan.
                </td>
            </tr>
        </tbody>
    </table>
</div>

<!-- Modal Form Analisis -->
<div x-show="isModalOpen"
style="display: none;" class="fixed
inset-0 z-50 overflow-y-auto"
role="dialog" aria-modal="true">
    <div class="flex items-end
justify-center min-h-screen pt-4 px-4
pb-20 text-center sm:block sm:p-0">

        <div x-show="isModalOpen"
x-transition:enter="ease-out
duration-300" x-transition:enter-
start="opacity-0" x-transition:enter-
end="opacity-100" x-
transition:leave="ease-in duration-
200" x-transition:leave-
start="opacity-100" x-
transition:leave-end="opacity-0"
class="fixed inset-0 bg-gray-500 bg-
opacity-75 transition-opacity"
@click="closeModal()"></div>

        <span class="hidden
sm:inline-block sm:align-middle
sm:h-screen" aria-
hidden="true">&#8203;</span>

        <div x-show="isModalOpen"
x-transition:enter="ease-out
duration-300" x-transition:enter-
start="opacity-0 translate-y-4
sm:translate-y-0 sm:scale-95" x-
transition:enter-end="opacity-100
translate-y-0 sm:scale-100" x-
transition:leave="ease-in duration-
200" x-transition:leave-
start="opacity-100 translate-y-0
sm:scale-100" x-transition:leave-
end="opacity-0 translate-y-4
sm:translate-y-0 sm:scale-95"
class="inline-block align-bottom bg-
white rounded-xl text-left overflow-
hidden shadow-2xl transform
transition-all sm:my-8 sm:align-
middle sm:max-w-lg w-full">

            <div class="bg-white px-6
pt-6 pb-4 border-b border-slate-100
flex justify-between items-center">
                <div>
                    <h3 class="text-lg
leading-6 font-bold text-slate-
800">Parameter Analisis Stok</h3>
                    <p class="text-sm
text-slate-500 mt-1" x-
text="form.nama_barang"></p>
                </div>
                <button
@click="closeModal()" class="text-
slate-400 hover:text-slate-500
focus:outline-none">
                    <i class="fas fa-times
text-lg"></i>
                </button>
            </div>

            <div class="bg-white px-6
py-6 space-y-4">
                <!-- Permintaan
Tahunan -->
                <div>
                    <label class="block
text-sm font-semibold text-slate-700
mb-1">Permintaan Per Tahun (Unit)
<span class="text-red-
500">*</span></label>
                    <input type="number"
x-
model="form.permintaan_tahunan"
class="w-full rounded-lg border-
slate-300 shadow-sm focus:border-
blue-500 focus:ring-blue-500 py-2.5
px-3" placeholder="Contoh: 1200">
```

```
                <p class="text-xs text-slate-400 mt-1">Total penjualan/penggunaan dalam 1 tahun.</p>
            </div>

            <div class="grid grid-cols-2 gap-4">
                <!-- Biaya Pesan -->
                <div>
                    <label class="block text-sm font-semibold text-slate-700 mb-1">Biaya Pesan (Rp) <span class="text-red-500">*</span></label>
                    <input type="number" x-model="form.biaya_pesan" class="w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 py-2.5 px-3" placeholder="Contoh: 50000">
                    <p class="text-xs text-slate-400 mt-1">Biaya per kali order (Ongkir, Admin, dll).</p>
                </div>

                <!-- Biaya Simpan -->
                <div>
                    <label class="block text-sm font-semibold text-slate-700 mb-1">Biaya Simpan (Rp) <span class="text-red-500">*</span></label>
                    <input type="number" x-model="form.biaya_simpan" class="w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 py-2.5 px-3" placeholder="Contoh: 200">
                    <p class="text-xs text-slate-400 mt-1">Biaya simpan per unit per tahun.</p>
                </div>
            </div>

                <!-- Lead Time -->
                <div>
                    <label class="block text-sm font-semibold text-slate-700 mb-1">Lead Time (Hari) <span class="text-red-500">*</span></label>
                    <input type="number" x-model="form.lead_time" class="w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 py-2.5 px-3" placeholder="Contoh: 3">
                    <p class="text-xs text-slate-400 mt-1">Waktu tunggu dari pesan sampai barang datang.</p>
                </div>

                <!-- Safety Stock -->
                <div class="mt-4">
                    <label class="block text-sm font-semibold text-slate-700 mb-1">Stok Aman / Safety Stock (Unit)</label>
                    <input type="number" x-model="form.safety_stock" class="w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 py-2.5 px-3" placeholder="Contoh: 5">
                    <p class="text-xs text-slate-400 mt-1">Stok bantalan untuk mengantisipasi keterlambatan bahan.</p>
                </div>

                <div class="bg-blue-50 p-3 rounded-lg border border-blue-100 mt-4">
                    <p class="text-xs text-blue-800 font-semibold mb-1">Preview Hasil:</p>
                    <div class="flex justify-between text-sm">
```

```
                    <span class="text-blue-600">EOQ (Order Optimal):</span>
                    <span class="font-bold text-blue-700" x-text="calculateEOQ()"></span>
                </div>
                <div class="flex justify-between text-sm">
                    <span class="text-blue-600">ROP (Titik Pesan):</span>
                    <span class="font-bold text-blue-700" x-text="calculateROP()"></span>
                </div>
            </div>
        </div>

        <div class="bg-slate-50 px-6 py-4 flex flex-row-reverse gap-3 border-t border-slate-100">
            <button type="button" @click="submitForm()" class="w-full sm:w-auto inline-flex justify-center rounded-lg border border-transparent shadow-sm px-5 py-2.5 bg-blue-600 text-base font-medium text-white hover:bg-blue-700 focus:outline-none focus:ring-2 focus:ring-offset-2 focus:ring-blue-500 transition-all hover:shadow-md">
                <i class="fas fa-save mr-2 mt-1"></i> Simpan & Update
            </button>
            <button type="button" @click="closeModal()" class="w-full sm:w-auto mt-3 sm:mt-0 inline-flex justify-center rounded-lg border border-slate-300 shadow-sm px-5 py-2.5 bg-white text-base font-medium text-slate-700 hover:bg-slate-50 focus:outline-none transition-colors">
                Batal
            </button>
        </div>
    </div>
</div>

<script>
    const itemsData = <?= json_encode($barang) ?>;

    function analisisApp() {
        return {
            items: itemsData,
            search: '',
            isModalOpen: false,
            form: {
                id: '',
                nama_barang: '',
                permintaan_tahunan: 0,
                biaya_pesan: 0,
                biaya_simpan: 0,
                lead_time: 0,
                safety_stock: 0
            },

            get filteredItems() {
                if (this.search === '') return this.items;
                return this.items.filter(i => {
                    return i.nama_barang.toLowerCase().includes(this.search.toLowerCase()) ||
                           i.kode_barang.toLowerCase().includes(this.search.toLowerCase());
                });
            },

            openModal(item) {
                this.form.id = item.id;
                this.form.nama_barang = item.nama_barang;
                this.form.permintaan_tahunan = item.permintaan_tahunan || '';
                this.form.biaya_pesan = item.biaya_pesan || '';
```

```
            this.form.biaya_simpan =
item.biaya_simpan || '';
            this.form.lead_time =
item.lead_time || '';
            this.form.safety_stock =
item.safety_stock || '';
            this.isModalOpen = true;
        },

        closeModal() {
            this.isModalOpen = false;
        },

        calculateEOQ() {
            const D =
parseFloat(this.form.permintaan_tah
unan) || 0;
            const S =
parseFloat(this.form.biaya_pesan) ||
0;
            const H =
parseFloat(this.form.biaya_simpan) ||
0;

            if (D > 0 && S > 0 && H
> 0) {
                const eoq = Math.sqrt((2
* D * S) / H);
                return
Math.ceil(eoq).toLocaleString();
            }
            return '-';
        },

        calculateROP() {
            const D =
parseFloat(this.form.permintaan_tah
unan) || 0;
            const L =
parseFloat(this.form.lead_time) || 0;
            const SS =
parseFloat(this.form.safety_stock) ||
0;

            if (D > 0 && L > 0) {
                const rop = ((D / 312) *
L) + SS;
                return
Math.ceil(rop).toLocaleString();
            }
            return '-';
        },

        submitForm() {
            if
(!this.form.permintaan_tahunan ||
!this.form.biaya_pesan ||
!this.form.biaya_simpan ||
!this.form.lead_time) {
                Swal.fire('Error', 'Semua
parameter wajib diisi!', 'warning');
                return;
            }

            Swal.fire({
                title: 'Menyimpan...',
                didOpen: () =>
Swal.showLoading()
            });

            const formData = new
URLSearchParams();
            formData.append('id',
this.form.id);
            formData.append('perminta
an_tahunan',
this.form.permintaan_tahunan);
            formData.append('biaya_p
esan', this.form.biaya_pesan);
            formData.append('biaya_si
mpan', this.form.biaya_simpan);
            formData.append('lead_tim
e', this.form.lead_time);
            formData.append('safety_st
ock', this.form.safety_stock);

            fetch('<?=
base_url('inventaris/save_analisis')
?>', {
                method: 'POST',
                headers: {
                    'Content-Type':
'application/x-www-form-
urlencoded',
```

```
                    'X-Requested-
With': 'XMLHttpRequest'
                },
                body: formData
            })
            .then(res => res.json())
            .then(data => {
                if (data.status ===
'success') {
                    this.closeModal();
                    Swal.fire('Berhasil',
data.message, 'success').then(() => {
                        window.location.
reload();
                    });
                } else {
                    Swal.fire('Gagal',
data.message, 'error');
                }
            })
            .catch(err => {
                console.error(err);
                Swal.fire('Error',
'Terjadi kesalahan server', 'error');
            });
        }
    }
  }
</script>

<?= $this->endSection() ?>
```

Keluar.php

```
<?= $this->extend('layout/template')
?>

<?= $this->section('content') ?>

<div class="max-w-2xl mx-auto" x-
data="formMutasi()">
  <div class="bg-white rounded-xl
shadow-sm overflow-hidden border-
t-4 border-red-500">
    <div class="px-6 py-4 border-b
border-slate-100 flex items-center
justify-between">
      <h3 class="font-bold text-
slate-800 text-lg">Input Barang
Keluar</h3>
      <a href="<?=
base_url('inventaris') ?>" class="text-
slate-400 hover:text-slate-600">
        <i class="fas fa-times text-
xl"></i>
      </a>
    </div>

    <div class="p-6">
      <div class="bg-red-50 border
border-red-200 text-red-700 px-4 py-
3 rounded-lg mb-5 text-sm">
        <i class="fas fa-info-circle
mr-1"></i>
        Stok yang dikeluarkan
akan mengurangi jumlah persediaan
saat ini.
      </div>

      <div class="space-y-5">
        <!-- Select Barang -->
        <div>
          <label class="block text-
sm font-semibold text-slate-700 mb-
2">Pilih Barang <span class="text-
red-500">*</span></label>
          <div class="relative">
            <select x-
model="form.barang_id" class="w-
full rounded-lg border-slate-300
shadow-sm focus:border-blue-500
focus:ring-blue-500 text-base py-3
px-4 transition-colors bg-white
appearance-none">
              <option value="">-
- Pilih Barang --</option>
              <?php
foreach($barang as $b): ?>
                <option
value="<?= $b['id'] ?>"><?=
$b['nama_barang'] ?> (Stok: <?=
$b['stok'] ?>)</option>
              <?php endforeach;
?>
```

```
                    </select>
                    <div class="pointer-events-none absolute inset-y-0 right-0 flex items-center px-4 text-slate-500">
                        <i class="fas fa-chevron-down text-xs"></i>
                    </div>
                </div>
            </div>

            <div class="grid grid-cols-2 gap-5">
                <!-- Jumlah -->
                <div>
                    <label class="block text-sm font-semibold text-slate-700 mb-2">Jumlah Keluar <span class="text-red-500">*</span></label>
                    <input type="number" x-model="form.jumlah" class="w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 text-base py-3 px-4 transition-colors" placeholder="0">
                </div>

                <!-- Referensi -->
                <div>
                    <label class="block text-sm font-semibold text-slate-700 mb-2">Referensi (Opsional)</label>
                    <input type="text" x-model="form.referensi" class="w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 text-base py-3 px-4 transition-colors" placeholder="No. BAST / Keterangan">
                </div>
            </div>

            <!-- Catatan -->
            <div>
                <label class="block text-sm font-semibold text-slate-700 mb-2">Alasan / Catatan (Opsional)</label>
                <textarea x-model="form.catatan" rows="3" class="w-full rounded-lg border-slate-300 shadow-sm focus:border-blue-500 focus:ring-blue-500 text-base py-3 px-4 transition-colors" placeholder="Rusak, Hilang, atau Pemakaian Sendiri..."></textarea>
            </div>

            <!-- Submit Button -->
            <div class="pt-4">
                <button type="button" @click="submitForm()" class="w-full bg-red-600 hover:bg-red-700 text-white font-bold py-3 px-4 rounded-lg shadow transition-all hover:shadow-lg flex justify-center items-center">
                    <i class="fas fa-save mr-2"></i> Simpan Stok Keluar
                </button>
            </div>
        </div>
    </div>
</div>

<script>
    function formMutasi() {
        return {
            form: {
                barang_id: '',
                tipe: 'keluar',
                jumlah: '',
                referensi: '',
                catatan: ''
            },

            submitForm() {
                if (!this.form.barang_id || !this.form.jumlah) {
```

```
                Swal.fire('Error', 'Barang dan Jumlah harus diisi!', 'warning');
                return;
            }

            fetch('<?= base_url('inventaris/store_mutasi') ?>', {
                method: 'POST',
                headers: {
                    'Content-Type': 'application/x-www-form-urlencoded',
                    'X-Requested-With': 'XMLHttpRequest'
                },
                body: new URLSearchParams(this.form)
            })
            .then(response => response.json())
            .then(data => {
                if (data.status === 'success') {
                    Swal.fire({
                        icon: 'success',
                        title: 'Berhasil!',
                        text: data.message,
                        timer: 1500,
                        showConfirmButton: false
                    }).then(() => {
                        window.location.href = '<?= base_url('inventaris') ?>';
                    });
                } else {
                    Swal.fire('Gagal!', data.message || 'Terjadi kesalahan.', 'error');
                }
            })
            .catch(error => {
                console.error('Error:', error);
                Swal.fire('Error', 'Terjadi kesalahan sistem.', 'error');
            });
        }
    }
</script>

<?= $this->endSection() ?>
```

UNIVERSITAS ROYAL

SK Mendikbud Ristek No : 386/E/O/2024
Alamat: Jl. Prof. H.M. Yamin S.H., No. 173, Kisaran,
Kab. Asahan, Prov. Sumatera Utara Indonesia 21224
Telp. 0623 - 41079 Fax. 0623 – 42366 Kisaran

Kisaran, 09 April 2026

Nomor : 111-033/PP-00.10/UR-1/IV/2026
Hal : **Permohonan Riset**

Kepada Yth,
Pemilik Toko Bangunan Panglong Cinta Kota Tanjungbalai
di_

Tempat

Dengan Hormat,

Semoga Tuhan Yang Maha Esa senantiasa memberikan kemudahan bagi kita semua dalam menjalankan aktivitas sehari-hari.

Universitas Royal sebagai salah satu perguruan tinggi penyelenggaraan program pendidikan Strata 1 (S1) dengan ini mengajukan permohonan kepada Bapak/Ibu agar kiranya dapat menerima Mahasiswa/I kami melaksanakan kegiatan Riset yang dilaksanakan pada tanggal **10 April 2026 - 10 Mei 2026**. Berikut ini data mahasiswa yang akan melaksanakan Riset :

No	Nama Mahasiswa	Program Studi	L/P	NIM
1	Santia	Sistem Informasi-S1	P	22.22.0267

Adapun Tujuan dilaksanakannya Riset ini untuk Menyelesaikan Penulisan Skripsi Program Strata 1 (S1) Universitas Royal. Judul Skripsi :" ***Implementasi Metode Economic Order Quantity (EOQ) Pada Sistem Informasi Manajemen Rantai Pasok Untuk Pengendalian Material di Panglong Cinta Tanjungbalai ".***

Demikian permohonan ini kami sampaikan. Atas perhatian, kesediaan, dan kerjasama yang baik kami ucapakan terima kasih.

Hormat Kami
Wakil Rektor I,

UNIVERSITAS ROYAL

Elly Rahayu, S.E., M.M
NIDN. 012267002

PANGLONG CINTA

Jl. A.Sani Sitorus Lk.XII Kel. Pulau Simardan Kota TanjungBalai

Tanjung Balai, 09 April 2026

Perihal : **Balasan Permohonan Riset**

Kepada Yth,
Rektor Universitas Royal
Di_
Tempat

Dengan Hormat,

Sehubungan dengan surat Rektor Universitas Royal dengan Nomor : 111-033/PP-00.10/UR-I/IV/2026 Perihal Permohonan Riset dalam rangka penyusunan skripsi.

Dengan ini diberitahukan bahwa, kami bersedia menerima mahasiswa Universitas Royal Kisaran untuk melakukan riset atas nama:

Nama	: Santia
NIM	: 22.22.0267
Program Studi	: Sistem Informasi
Judul Skripsi	: Implementasi Meotde Economic Order Quantuty (EOQ) Pada Sistem Informasi Manajemen Rantai Pasok Untuk Pengendalian Persediaan Material Di Panglong Cinta TanjungBalai

Demikian surat ini kami buat, atas kerja sama dan perhatian Bapak/Ibu kami ucapkan terima kasih.

PANGLONG CINTA
PEMILIK

Arifin

UNIVERSITAS ROYAL

FAKULTAS ILMU KOMPUTER

PROGRAM STUDI SISTEM INFORMASI

LEMBAR KONSULTASI SKRIPSI

Nama Mahasiswa	: SANTIA
NIM	: 22220267
Program Studi	: Sistem Informasi
Judul Skripsi/TA	: IMPLEMENTASI METODE ECONOMIC ORDER QUANTITY (EOQ) PADA SISTEM INFORMASI MANAJEMEN RANTAI PASOK UNTUK PENGENDALIAN PERSEDIAAN MATERIAL DI PANGLONG CINTA TANJUNG BALAI
Dosen Pembimbing	: 1. Nasrun Marpaung, S.Kom., M.Kom 2. ENDRA SAPUTRA, S.E., M.Ak
Lembar Konsultasi	: Pembimbing 1
Tanggal Pertemuan Pertama	: 8 April 2026

PERTEMUAN/ TANGGAL	MATERI BAHASAN	PARAF DOSEN	KETERANGAN
08-04-2026	Revisi penulisan bab 1, pastikan urgensi permasalahannya jelas dan detail		BAB I (Revisi)
09-04-2026	Acc Bab I, perbaiki penulisan bab 2, dan lengkapi referensi yang kurang		BAB I (ACC)
10-04-2026	Tambahkan referensi agar lebih baik, perbaiki penulisan Bab III		BAB II (Revisi)
15-04-2026	Acc Bab II, rapikan kerangka penelitian pada bab III		BAB II (ACC)
17-04-2026	Acc Bab III		BAB III (ACC)
18-04-2026	Lengkapi keseluruhan, dan lanjut daftar seminar proposal		Seminar Proposal (ACC)
03-06-2026	perbaiki penulisan bab 4, sesuaikan asi baru dan perancangan sistem lainnya, lanjut bab 5		BAB IV (Revisi)
05-06-2026	masih terdapat penulisan yang belum sesuai, perbaiki dan rapikan perbaiki juga bab 5		BAB IV (Revisi)
12-06-2026	Sesuaikan tampilan aplikasi		BAB IV (ACC)
13-06-2026	Acc Bab 5, perbaiki penulisan bab 6		BAB V (ACC)
13-06-2026	Acc Bab 5		BAB VI (ACC)
17-06-2026	Acc Bab VI, lengkapi keseluruhan		Pengujian Alat/Aplikasi (ACC)
17-06-2026	Acc Aplikasi		Seminar Hasil (ACC)
17-06-2026	Lanjut daftar seminar hasil		

Kisaran, 18 Juni 2026

Ka. Prodi Sistem Informasi

Nurwati, M.Kom.
NIDN: 0101068701

UNIVERSITAS ROYAL

FAKULTAS ILMU KOMPUTER

PROGRAM STUDI SISTEM INFORMASI

Jl. [illegible]

LEMBAR KONSULTASI SKRIPSI

Nama Mahasiswa : SANTIA
NIM : 22220267
Program Studi : Sistem Informasi
Judul Skripsi/TA : IMPLEMENTASI METODE ECONOMIC ORDER QUANTITY (EOQ) PADA SISTEM INFORMASI MANAJEMEN RANTAI PASOK UNTUK PENGENDALIAN PERSEDIAAN MATERIAL DI PANGLONG CINTA TANJUNG BALAI
Dosen Pembimbing : 1. Nasrun Marpaung, S.Kom., M.Kom
2. ENDRA SAPUTRA, S.E., M.Ak
Lembar Konsultasi : Pembimbing 2
Tanggal Pertemuan Pertama* : 9 April 2026

PERTEMUAN/ TANGGAL	MATERI BAHASAN	PARAF DOSEN	KETERANGAN
09-04-2026	Perbaiki jarak baris dan margin halaman, sesuaikan dengan panduan penulisan skripsi Perbaiki sistem penulisan kutipan atau referensi, gunakan mendelay atau sejenisnya		BAB I (Revisi)
13-04-2026	Perbaiki sistem penomoran atau numbering pada isi bab, konsisten dengan penulisannya.		BAB I (Revisi)
15-04-2026	lanjut ke bab 2		BAB I (ACC)
16-04-2026	perbaiki jarak antar sub bab yang satu dengan sub bab yang lain. perbaiki margin halaman, sesuaikan dengan panduan dan bab sebelumnya		BAB II (Revisi)
18-04-2026	perbaiki penulisan hipotesis dan penomoran tabel/gambar		BAB II (Revisi)
20-04-2026	lanjut bab 3		BAB II (ACC)
21-04-2026	perbaiki tabel jadwal penelitian, jangan melewati margin halaman		BAB III (Revisi)
23-04-2026	lanjut daftar sempro		BAB III (ACC)
24-04-2026			Seminar Proposal (ACC)
04-06-2026	Perbaiki tabel dan gambar, jangan melewati margin halaman (lihat panduan penulisan skripsi)		BAB IV (Revisi)
08-06-2026	Perbaiki penomoran tabel dan gambar, lihat panduan penulisan skripsi (konsisten dengan bab sebelumnya)		BAB IV (Revisi)
11-06-2026	lanjut bab 5		BAB IV (ACC)
12-06-2026	Perbaiki gambar dan penomoran pada gambar, konsisten dengan bab sebelumnya		BAB V (Revisi)
13-06-2026	lanjut ke bab 6		BAB V (ACC)
15-06-2026	Simpulan harus menjelaskan tujuan penelitian yang dicapai		BAB VI (Revisi)
			BAB VI (ACC)

PERTEMUAN/ TANGGAL	MATERI BAHASAN	PARAF DOSEN	KETERANGAN
17-06-2026	lanjut seminar hasil		Pengujian Alat/Aplikasi (ACC)
18-06-2026			Seminar Hasil (ACC)

Kisaran, 18 Juni 2026

Ka. Prodi Sistem Informasi

Nurwati, M.Kom.
NIDN: 0101068701

DAFTAR RIWAYAT HIDUP

A. Identitas Diri

Nama Lengkap	: Santia
NIM	: 22.22.0267
Tempat/Tanggal Lahir	: TanjungBalai, 07 September 2003
Jenis Kelamin	: Perempuan
Agama	: Islam
Nama Ayah	: Ibrahim Siregar
Nama Ibu	: Nursam Nasution, S.Pd

Riwayat Pendidikan

PAUD MELATI TanjungBalai	: 2009 -
SDN 132416 TanjungBalai	: 2011- 2016
SMPN 04 TanjungBalai	: 2016 - 2019
SMKN 04 TanjungBalai	: 2019- 2022
Universitas Royal Asahan	: 2022 - 2026

Demikian daftar Riwayat hidup ini dibuat dengan sesungguhnya.

Kisaran, 22 Juni 2026

SANTIA
NIM. 22.22.0267