**APLIKASI MANAJEMEN PEMBAYARAN DAN KAS BON PADA**

**PERCETAKAN ATM.COM BERBASIS WEB**

**SKRIPSI**

Disusun Oleh

**Amin Munir**

**2135001P**

**PROGRAM STUDI INFORMATIKA**

**FAKULTAS TEKNIK DAN KOMPUTER**

**UNIVERSITAS BATURAJA**

**2023**

# APLIKASI MANAJEMEN PEMBAYARAN DAN KAS BON PADA PERCETAKAN ATM.COM BERBASIS WEB

## SKRIPSI

**Skripsi ini diajukan sebagai salah satu syarat untuk memperoleh gelar**

## SARJANA KOMPUTER

Disusun Oleh

**Amin Munir**

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**PROGRAM STUDI INFORMATIKA**

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**UNIVERSITAS BATURAJA**

**2023**

## HALAMAN PERSETUJUAN

Naskah skripsi yang berjudul "Aplikasi Manajemen Pembayaran dan Kas Bon Pada Percetakan Atm.Com Berbasis Web" disusun oleh:

Nama         : Amin Munir

Npm          : 2135001P

Fakultas      : Teknik Dan Komputer

Program Studi  : Informatika

Telah disusun dan dikoreksi dengan baik dan cermat, karena itu pembimbing menyetujui mahasiswa tersebut untuk diuji.

Baturaja,    Mei 2023

Pembimbing I

Pembimbing II

Destiarini, M.Kom.

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**UNIVERSITAS BATURAJA**
**FAKULTAS TEKNIK DAN KOMPUTER**
**PROGRAM STUDI INFORMATIKA**
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## HALAMAN PENGESAHAN

"Aplikasi Manajemen Pembayaran dan Kas Bon Pada Percetakan Atm.Com
Berbasis Web"

### SKRIPSI

Skripsi ini telah dipertahankan dan disahkan didepan tim penguji
Program Studi Informatika Fakultas Teknik dan Komputer pada
Universitas Baturaja pada hari Kamis 25 Mei 2023

Tim Penguji :                                                    Tanda Tangan

1. Destiarini, M.Kom.
   Ketua Tim

2. Jum Dapi Okta, S.T., M.Kom.
   Sekertaris

3. M. Nang Al Kodri, M.Kom.
   Penguji I

4. Anggraeni Agustin Muris, M.Kom.
   Penguji II

Mengetahui,

Dekan FTK                                                       Kaprodi Informatika

Peny Desromi, S.T, M.T                                          Destiarini, M.Kom
NIDN. 0206127101                                                NIDN. 0223127901

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## PERNYATAAN KARYA TULIS SKRIPSI

Saya yang bertanda tangan dibawah ini, menyatakan bahwa skripsi dengan judul : "Aplikasi Manajemen Pembayaran dan Kasbon pada Percetakan ATM.com Berbasis Web". Dengan ini saya menyatakan dengan sesungguhnya bahwa dalam skripsi ini benar adalah buatan saya sendiri tidak dibuatkan oleh orang lain ataupun hasil plagiat dari skripsi orang lain yang dilindungi hak ciptanya secara konstitusional.

Demikian pernyataan saya buat dengan sesungguhnya dan apabila kemudian hari ternyata skripsi saya dengan judul tersebut, tidak benar atau terbukti hasil plagiat dari karya orang lain maka, saya bersedia menerima sanksi yang berlaku ataupun saya bersedia untuk di anulir/dibatalkan segala hak atas gelar sarjana saya.

Baturaja, 24 Mei 2023

Mahasiswa yang bertandatangan

Amin Munir

NPM. 2135001P

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# MOTTO DAN PERSEMBAHAN

**MOTTO:**
"Gagal lebih baik dari pada tidak mencoba".


**PERSEMBAHAN:**
Skripsi Ini Ku Persembah Kan Kepada:
➢ Orang tua ku, istri dan anak tercinta yang telah mendukung dengan penuh kesabaran.
➢ Keluargaku yang telah memberikan pencerahan dalam kehidupanku.
➢ Dosen pembimbing yang tak henti-henti nya membimbing, mengarahkan, serta memberikan kritik dan saran yang sangat berguna dalam penyelesaian skripsi ini.
➢ Teman – teman seangkatan tahun tahun 2021 yang memberikan dukungan.
➢ Universitas Baturaja yang menjadi almamater kebanggaanku.

# KATA PENGANTAR

Puji syukur penulis panjatkan kepada Tuhan Yang Maha Esa yang telah melimpahkan rahmat sehingga penulis dapat menyelesaikan skripsi penelitian yang berjudul "Aplikasi Manajemen Pembayaran Dan Kas Bon Pada Percetakan Atm.Com Berbasis Web". Shalawat beriring salam tak lupa saya sampaikan kepada Nabi Muhammad SAW, karena beliau merupakan uswatun hasanah yang patut kita jadikan sebagai suri tauladan dalam kehidupan sehari-hari.

Penulis menyadari bahwa dalam penulisan skripsi ini masih jauh dari sempurna, untuk itu penulis mohon bimbingan, dukungan dan do'a dari semua pihak antara lain :

1.  Ibu lr. Hj. Lindawati MZ, M.T selakku Rektor Universitas Baturaja.

2.  Bapak H. Ferry Desromi,S.T, M.T selaku Dekan Fakultas Teknik universitas Baturaja.

3.  Ibu Destiarini, M.Kom selaku Ketua Program Studi sekaligus Dosen Pembimbing I yang telah banyak memberikan arahan, bimbingan dan motivasi kepada penulis untuk menyelesaikan skripsi ini dan juga perkuliahan di Universeitas Baturaja.

4.  Ibu Jum Dapi Okta, S.T.,M.Kom selaku Dosen pembimbing II yang telah memberikan bimbingan dan petunjuk sehingga skripsi ini selesai tepat waktu.

Penulis menyadari bahwa dalam penyusunan skripsi ini masih terdapat banyak kekurangan karena keterbatasan penulis. Oleh karena itu, penulis mengharapkan kritik dan saran yang sifatnya

membangun guna memperbaiki penelitian selanjutnya. Akhir kata, penulis berharap semoga skripsi ini dapat bermanfaat bagi penulis pada khususnya dan bagi para pembaca pada umumnya.

Baturaja,   Juni  2023
Penulis

Amin Munir

# DAFTAR ISI

# DAFTAR TABEL

Halaman

# DAFTAR GAMBAR

Halaman

# LAMPIRAN FOTO PENGUJIAN APLIKASI

**FOTO PENGUJIAN APLIKASI BENDAHARAN DAN OPERATOR**
**SDN 177 OKU**

# FOTO PENGUJIAN APLIKASI BENDAHARAN DAN OPERATOR
## SDN 172 OKU

# LAMPIRAN
# CODING

1. **Coding View**
   a. **Main Footer**

```html
<!-- Main Footer -->
<footer class="main-footer mt-4">
  <strong>Copyright &copy; <?= date('Y') == 2023 ? date('Y') : "2023 - " .
date('Y') ?> Aplikasi Kasbon template by <a
href="https://adminlte.io">ATM. com</a>.</strong>
  All rights reserved.
  <div class="float-right d-none d-sm-inline-block">
    <b>Version</b> 3.2.0
  </div>
</footer>
</div>
<!-- ./wrapper -->

<!-- REQUIRED SCRIPTS -->

<!-- Bootstrap -->
<script src="<?= base_url('assets')
?>/plugins/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- overlayScrollbars -->
<script src="<?= base_url('assets')
?>/plugins/overlayScrollbars/js/jquery.overlayScrollbars.min.js"></script>
<!-- AdminLTE App -->
<script src="<?= base_url('assets') ?>/js/adminlte.js"></script>

<!-- PAGE PLUGINS -->
<!-- jQuery Mapael -->
<script src="<?= base_url('assets') ?>/plugins/jquery-
mousewheel/jquery.mousewheel.js"></script>
<script src="<?= base_url('assets')
?>/plugins/raphael/raphael.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/jquery-
mapael/jquery.mapael.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/jquery-
mapael/maps/usa_states.min.js"></script>
<!-- ChartJS -->
<script src="<?= base_url('assets')
?>/plugins/chart.js/Chart.min.js"></script>

<script src="<?= base_url('assets') ?>/js/pages/dashboard2.js"></script>
```

```html
<!-- datatables -->
<script src="<?= base_url('assets')
?>/plugins/datatables/jquery.dataTables.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
bs4/js/dataTables.bootstrap4.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
responsive/js/dataTables.responsive.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
responsive/js/responsive.bootstrap4.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
buttons/js/dataTables.buttons.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
buttons/js/buttons.bootstrap4.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/jszip/jszip.min.js"></script>
<script src="<?= base_url('assets')
?>/plugins/pdfmake/pdfmake.min.js"></script>
<script src="<?= base_url('assets')
?>/plugins/pdfmake/vfs_fonts.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
buttons/js/buttons.html5.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
buttons/js/buttons.print.min.js"></script>
<script src="<?= base_url('assets') ?>/plugins/datatables-
buttons/js/buttons.colVis.min.js"></script>
<script>
  // if div alert exist and no-hapus not exist
  if ($('.alert').length && !$('.no-hapus').length) {
    // set timeout 3 second
    setTimeout(function() {
      // remove div alert
      $('.alert').remove();
    }, 10000);
  }
  $(function() {
    $("#example1").DataTable({
      responsive: true,
      autoWidth: false,
      // remove column aksi when print, excel, and pdf
      buttons: [{
        extend: 'pdf',
        exportOptions: {
```

```javascript
            columns: [':visible:not(:last-child)']
          }
        },
        {
          extend: 'excel',
          exportOptions: {
            columns: [':visible:not(:last-child)']
          }
        },
        {
          extend: 'print',
          exportOptions: {
            columns: [':visible:not(:last-child)']
          }
        }
      }
    ]
  }).buttons().container().appendTo('#example1_wrapper .col-md-6:eq(0)');
  $('#example2').DataTable({
    "paging": true,
    "lengthChange": false,
    "searching": false,
    "ordering": true,
    "info": true,
    "autoWidth": false,
    "responsive": true,
  });
});

function formatRupiah(prefix) {
  var angka = document.getElementById('nominal').value;
  var number_string = angka.replace(/[^,\d]/g, '').toString(),
    split = number_string.split(','),
    sisa = split[0].length % 3,
    rupiah = split[0].substr(0, sisa),
    ribuan = split[0].substr(sisa).match(/\d{3}/gi);

  // tambahkan titik jika yang di input sudah menjadi angka ribuan
  if (ribuan) {
    separator = sisa ? '.' : '';
    rupiah += separator + ribuan.join('.');
  }
```

```
      rupiah = split[1] != undefined ? rupiah + ',' + split[1] : rupiah;
      document.getElementById('nominal').value = prefix == undefined ? rupiah
: (rupiah ? 'Rp. ' + rupiah : '');
    }
   function formatnominal(nominal, prefix='.') {
     var angka = nominal;
     var number_string = angka.replace(/[^,\d]/g, '').toString(),
      split = number_string.split(','),
      sisa = split[0].length % 3,
      rupiah = split[0].substr(0, sisa),
      ribuan = split[0].substr(sisa).match(/\d{3}/gi);

     // tambahkan titik jika yang di input sudah menjadi angka ribuan
     if (ribuan) {
       separator = sisa ? '.' : '';
       rupiah += separator + ribuan.join('.');
     }

     rupiah = split[1] != undefined ? rupiah + ',' + split[1] : rupiah;
     return prefix == undefined ? rupiah : (rupiah ? 'Rp. ' + rupiah : '');
   }

   // form on submit
   $('form').on('submit', function(e) {
     e.preventDefault();
     // if id nominal exist
     if (document.getElementById('nominal')) {
       var nominal = document.getElementById('nominal').value;
       var number_string = nominal.replace(/[^,\d]/g, '').toString();
       document.getElementById('nominal').value = number_string;
     }
     this.submit();
   });
</script>
</body>

</html>
```

**b.**   **Main Header**
```
<!DOCTYPE html>
```

```html
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Aplikasi Kasbon
    <?= isset($title) ? '| ' . $title : ''; ?>
  </title>

  <!-- Google Font: Source Sans Pro -->
  <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">
  <!-- Font Awesome Icons -->
  <link rel="stylesheet" href="<?= base_url('assets')
?>/plugins/fontawesome-free/css/all.min.css">
  <!-- overlayScrollbars -->
  <link rel="stylesheet" href="<?= base_url('assets')
?>/plugins/overlayScrollbars/css/OverlayScrollbars.min.css">
  <!-- Theme style -->
  <link rel="stylesheet" href="<?= base_url('assets')
?>/css/adminlte.min.css">
  <!-- custom -->
  <link rel="stylesheet" href="<?= base_url('assets') ?>/css/custom.css">

  <!-- datatables -->
  <link rel="stylesheet" href="<?= base_url('assets') ?>/plugins/datatables-
bs4/css/dataTables.bootstrap4.min.css">
  <link rel="stylesheet" href="<?= base_url('assets') ?>/plugins/datatables-
responsive/css/responsive.bootstrap4.min.css">
  <link rel="stylesheet" href="<?= base_url('assets') ?>/plugins/datatables-
buttons/css/buttons.bootstrap4.min.css">
  <!-- jQuery -->
  <script src="<?= base_url('assets')
?>/plugins/jquery/jquery.min.js"></script>
</head>

<body class="hold-transition dark-mode sidebar-mini layout-fixed layout-
navbar-fixed layout-footer-fixed">
  <!-- Preloader -->
  <div class="preloader flex-column justify-content-center align-items-
center">
```

```html
        <img class="animation__wobble" src="<?= base_url('assets')
?>/img/AdminLTELogo.png" alt="AdminLTELogo" height="60" width="60">
    </div>
```

c. **Main Sidebar**

```html
<aside class="main-sidebar sidebar-dark-primary elevation-4">
    <!-- Brand Logo -->
    <a href="<?= base_url() ?>" class="brand-link">
        <img src="<?= base_url('assets') ?>/img/AdminLTELogo.png"
alt="AdminLTE Logo" class="brand-image img-circle elevation-3"
style="opacity: .8">
        <span class="brand-text font-weight-light">Aplikasi Kasbon</span>
    </a>

    <!-- Sidebar -->
    <div class="sidebar">
        <!-- Sidebar user panel (optional) -->
        <div class="user-panel mt-3 pb-3 mb-3 d-flex">
            <div class="image">
                <img src="<?= base_url('assets') ?>/img/user2-160x160.jpg"
class="img-circle elevation-2" alt="User Image">
            </div>
            <div class="info">
                <a href="#" class="d-block">
                    <?= $this->session->userdata('username'); ?>
                </a>
            </div>
        </div>

        <!-- Sidebar Menu -->
        <nav class="mt-2">
            <ul class="nav nav-pills nav-sidebar flex-column" data-
widget="treeview" role="menu" data-accordion="false">
                <!-- Add icons to the links using the .nav-icon class
                with font-awesome or any other icon font library -->

                <!-- dashboard -->
                <li class="nav-item">
                    <!-- uri segment blank or index echo active-->
                    <a href="<?= base_url() ?>" class="nav-link <?= $this->uri-
>segment(1) == 'main' || $this->uri->segment(1) == '' ? 'active' : '' ?>">
```

```html
                    <i class="nav-icon fas fa-home"></i>
                    <p>
                        Beranda
                        <span class="right badge badge-info"></span>
                    </p>
                </a>
            </li>
            <?php if ($this->session->userdata('role_id') == '0') : ?>
                <!-- transaksi -->
                <li class="nav-item">
                    <a href="<?= base_url('transactions') ?>" class="nav-link <?=
$this->uri->segment(1) == 'transactions' || $this->uri->segment(1) ==
'edittransactions' ? 'active' : '' ?>">
                        <i class="nav-icon fas fa-money-bill-alt"></i>
                        <p>
                            Transaksi
                            <span class="right badge badge-danger"></span>
                        </p>
                    </a>
                </li>
                <!-- hutang piutang -->
                <li class="nav-item">
                    <a href="<?= base_url('debts') ?>" class="nav-link <?= $this-
>uri->segment(1) == 'debts' ? 'active' : '' ?>">
                        <i class="nav-icon fas fa-money-bill-wave"></i>
                        <p>
                            Hutang Piutang
                            <span class="right badge badge-danger"></span>
                        </p>
                    </a>
                </li>
                <!-- Cicilan -->
                <li class="nav-item">
                    <a href="<?= base_url('cicilan') ?>" class="nav-link <?= $this-
>uri->segment(1) == 'cicilan' ? 'active' : '' ?>">
                        <i class="nav-icon fas fa-money-bill-wave"></i>
                        <p>
                            Cicilan
                            <span class="right badge badge-danger"></span>
                        </p>
                    </a>
```

```
                    </li>

                    <!-- detilpembayaran -->
                    <li class="nav-item">
                       <a href="<?= base_url('pembayarans') ?>" class="nav-link <?=
$this->uri->segment(1) == 'pembayarans' ? 'active' : '' ?>">
                              <i class="nav-icon fas fa-credit-card"></i>
                              <p>
                                 Detil Pembayaran
                                 <span class="right badge badge-danger"></span>
                              </p>
                           </a>
                    </li>

                    <!-- Data Pengguna -->
                    <li class="nav-item">
                       <a href="<?= base_url('users') ?>" class="nav-link <?= $this-
>uri->segment(1) == 'users' ? 'active' : '' ?>">
                              <i class="nav-icon fas fa-users"></i>
                              <p>
                                 Data Pengguna
                                 <span class="right badge badge-danger"></span>
                              </p>
                           </a>
                    </li>
                    <!-- laporan -->
                    <li class="nav-item">
                       <a href="<?= base_url('reports') ?>" class="nav-link <?= $this-
>uri->segment(1) == 'reports' ? 'active' : '' ?>">
                              <i class="nav-icon fas fa-file"></i>
                              <p>
                                 Laporan
                                 <span class="right badge badge-danger"></span>
                              </p>
                           </a>
                    </li>


                 <?php else : ?>
                    <li class="nav-item">
```

```php
                <a href="<?= base_url('deb') ?>" class="nav-link <?= $this->uri-
>segment(1) == 'deb' ? 'active' : '' ?>">
                    <i class="nav-icon fas fa-money-bill-alt"></i>
                    <p>
                        Hutang
                        <span class="right badge badge-danger"></span>
                    </p>
                </a>
            </li>

        <?php endif; ?>
        </ul>
    </nav>
    <!-- /.sidebar-menu -->
    </div>
    <!-- /.sidebar -->
</aside>
```

### d. Main Topbar

```php
    <!-- Navbar -->
    <nav class="main-header navbar navbar-expand navbar-dark sticky">
        <!-- Left navbar links -->
        <ul class="navbar-nav">
            <li class="nav-item">
                <a class="nav-link" data-widget="pushmenu" href="#"
role="button"><i class="fas fa-bars"></i></a>
            </li>
        </ul>

        <!-- Right navbar links -->
        <ul class="navbar-nav ml-auto">

            <!-- navbar dropdown user logout -->
            <li class="nav-item dropdown">
                <a class="nav-link" data-toggle="dropdown" href="#">
                    <i class="fas fa-user"></i> <?= $this->session-
>userdata('username'); ?>
                </a>
```

```
            <div class="dropdown-menu dropdown-menu-lg dropdown-menu-
right">
                <div class="user-panel mt-3 pb-3 mb-3 d-flex">
                    <div class="image">
                        <img src="<?= base_url('assets') ?>/img/user2-160x160.jpg"
class="img-circle elevation-2" alt="User Image">
                    </div>
                    <div class="info">
                        <a href="#" class="d-block"><?= $this->session-
>userdata('username'); ?></a>
                    </div>
                </div>
                <div class="dropdown-divider"></div>

                <a href="<?= base_url('auth/logout') ?>" class="dropdown-
item">
                    <i class="fas fa-sign-out-alt mr-2"></i> Logout
                    <span class="float-right text-muted text-sm"></span>
                </a>
                <div class="dropdown-divider"></div>
            </div>
        </li>
        <li class="nav-item">
            <a class="nav-link" data-widget="fullscreen" href="#"
role="button">
                <i class="fas fa-expand-arrows-alt"></i>
            </a>
        </li>

    </ul>
  </nav>
  <!-- /.navbar -->
```

e. **Auth**
```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Aplikasi Kasbon | Log in</title>
```

```
    <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,4
00i,700&display=fallback">

    <link rel="stylesheet" href="<?= base_url('assets/');
?>plugins/fontawesome-free/css/all.min.css">

    <link rel="stylesheet" href="<?= base_url('assets/'); ?>plugins/icheck-
bootstrap/icheck-bootstrap.min.css">

    <link rel="stylesheet" href="<?= base_url('assets/');
?>css/adminlte.min.css">
    <script nonce="fc61728f-0ffd-40f2-8210-12ec2fbd8d45">
      (function (w, d) {
        ! function (dk, dl, dm, dn) {
          dk[dm] = dk[dm] || {};
          dk[dm].executed = [];
          dk.zaraz = {
            deferred: [],
            listeners: []
          };
          dk.zaraz.q = [];
          dk.zaraz._f = function (dp) {
            return function () {
              var dq = Array.prototype.slice.call(arguments);
              dk.zaraz.q.push({
                m: dp,
                a: dq
              })
            }
          };
          for (const dr of ["track", "set", "debug"]) dk.zaraz[dr] =
dk.zaraz._f(dr);
          dk.zaraz.init = () => {
            var ds = dl.getElementsByTagName(dn)[0],
              dt = dl.createElement(dn),
              du = dl.getElementsByTagName("title")[0];
            du && (dk[dm].t = dl.getElementsByTagName("title")[0].text);
            dk[dm].x = Math.random();
```

```javascript
            dk[dm].w = dk.screen.width;
            dk[dm].h = dk.screen.height;
            dk[dm].j = dk.innerHeight;
            dk[dm].e = dk.innerWidth;
            dk[dm].l = dk.location.href;
            dk[dm].r = dl.referrer;
            dk[dm].k = dk.screen.colorDepth;
            dk[dm].n = dl.characterSet;
            dk[dm].o = (new Date).getTimezoneOffset();
            if (dk.dataLayer)
                for (const dy of
Object.entries(Object.entries(dataLayer).reduce(((dz, dA) => ({
                    ...dz[1],
                    ...dA[1]
                  }))))) zaraz.set(dy[0], dy[1], {
                    scope: "page"
                  });
            dk[dm].q = [];
            for (; dk.zaraz.q.length;) {
                const dB = dk.zaraz.q.shift();
                dk[dm].q.push(dB)
            }
            dt.defer = !0;
            for (const dC of [localStorage, sessionStorage]) Object.keys(dC ||
{}).filter((dE => dE
                .startsWith("_zaraz_"))).forEach((dD => {
                  try {
                     dk[dm]["z_" + dD.slice(7)] = JSON.parse(dC.getItem(dD))
                  } catch {
                     dk[dm]["z_" + dD.slice(7)] = dC.getItem(dD)
                  }
                }));
            dt.referrerPolicy = "origin";
            dt.src = "/cdn-cgi/zaraz/s.js?z=" +
btoa(encodeURIComponent(JSON.stringify(dk[dm])));
            ds.parentNode.insertBefore(dt, ds)
        };
        ["complete", "interactive"].includes(dl.readyState) ? zaraz.init() :
dk.addEventListener(
            "DOMContentLoaded", zaraz.init)
      }(w, d, "zarazData", "script");
```

```
      })(window, document);
    </script>
</head>

<body class="hold-transition login-page">
    <div class="login-box">
      <div class="login-logo">
        <a href="<?= base_url(); ?>"><b>Aplikasi</b>Kasbon</a>
      </div>

      <div class="card">
        <div class="card-body login-card-body">
          <p class="login-box-msg">Masuk untuk gunakan aplikasi</p>
          <?= $this->session->flashdata('alert'); ?>
          <form action="" method="post">
            <div class="input-group mb-3">
              <input type="text" class="form-control"
placeholder="Username" name="username" value="<?= $this->session-
>flashdata('username'); ?>" required autofocus>
              <div class="input-group-append">
                <div class="input-group-text">
                  <span class="fas fa-user"></span>
                </div>
              </div>
            </div>
            <div class="input-group mb-3">
              <input type="password" class="form-control"
placeholder="Password" name="password" required>
              <div class="input-group-append">
                <div class="input-group-text">
                  <span class="fas fa-key"></span>
                </div>
              </div>
            </div>
            <!-- button submit -->
            <div class="row">
              <div class="col-8">

              </div>
              <div class="col-4">
```

```
                    <button type="submit" class="btn btn-primary btn-
block">Log In</button>
                </div>
            </div>
        </form>
    </div>


    </div>
  </div>



  <script src="<?= base_url('assets/');
?>plugins/jquery/jquery.min.js"></script>

  <script src="<?= base_url('assets/');
?>plugins/bootstrap/js/bootstrap.bundle.min.js"></script>

  <script src="<?= base_url('assets/');
?>js/adminlte.min.js?v=3.2.0"></script>
</body>

</html>
```

**f.   Main cicilan**

```
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
    <!-- Content Header (Page header) -->
    <div class="content-header">
        <div class="container-fluid">
            <div class="row mb-2">
                <div class="col-sm-6">
                    <h1 class="m-0">Cicilan</h1>
                </div><!-- /.col -->
                <div class="col-sm-6">
                    <ol class="breadcrumb float-sm-right">
                        <li class="breadcrumb-item"><a href="#">Home</a></li>
                        <li class="breadcrumb-item active">Cicilan</li>
                    </ol>
                </div><!-- /.col -->
            </div><!-- /.row -->
        </div><!-- /.container-fluid -->
```

```html
        </div>
        <!-- /.content-header -->

        <!-- Main content -->
        <section class="content">
          <div class="container-fluid">
            <!-- Info boxes -->

            <!-- tambah Cicilan-->

            <div class="row">
              <!-- table Cicilan-->
              <!-- Main row -->

              <div class="col-lg-12">

                <!-- PRODUCT LIST -->
                <div class="card">
                  <div class="card-header">
                    <h3 class="card-title">Daftar Cicilan</h3>
                    <!-- button tambah -->
                    <div class="card-tools">
                      <button type="button" class="btn btn-tool" data-card-widget="collapse">
                        <i class="fas fa-minus"></i>
                      </button>

                    </div>
                  </div>
                  <!-- /.card-header -->
                  <div class="card-body">
                    <!-- alert -->
                    <?= $this->session->flashdata('alert'); ?>
                    <table class="table table-head-fixed text-nowrap mt-4 display responsive nowrap w-100"
                      id="example1">
                      <thead>
                        <tr>
                          <th>#</th>
                          <th>Tanggal</th>
                          <th>Jumlah Cicilan</th>
```

```php
                    <th>Total Hutang</th>
                    <th>Resi</th>
                    <th>Status</th>
                    <th>aksi</th>
                </tr>
            </thead>
            <tbody>
                <?php $i = 1; ?>
                <?php foreach ($cicilans as $c): ?>
                    <tr>
                        <td>
                            <?= $i; ?>
                        </td>
                        <td>
                            <?= date('d/m/Y', $c->tanggal); ?>
                        </td>
                        <td>
                            <?= $c->jumlah; ?>
                        </td>
                        <td>
                            <?= $c->nominal; ?>
                        </td>
                        <td>
                            <a href="<?= base_url('assets/img/bayar/') . $c->foto; ?>" target="_blank">
                                <img src="<?= base_url('assets/img/bayar/') . $c->foto; ?>" alt="resi"
                                    style="max-width: 30px;">
                            </a>
                        </td>
                        <td>
                            <?php if ($c->status_cicilan == 0): ?>
                                <span class="badge badge-warning">Perlu tindakan</span>
                                <!-- button setujui dan tolak -->
                            <?php elseif ($c->status_cicilan == 1): ?>
                                <span class="badge badge-success">Disetujui</span>
                            <?php else: ?>
                                <span class="badge badge-danger">ditolak</span>
```

```php
                            <?php endif; ?>
                        <td>
                            <?php if ($c->status_cicilan == 0 || $c-
>status_cicilan == 2): ?>
                                <a id="setujui" href="<?=
base_url('cicilan/setujui/') . $c->id_bayar; ?>"
                                    class="btn-sm btn-success btn-sm"
title="Setujui"><i
                                        class="fas fa-check"></i> Setujui</a>
                            <?php endif; ?>
                            <?php if ($c->status_cicilan == 0 || $c-
>status_cicilan == 1): ?>
                                <a onclick="return confirm('Yakin akan
menolak?');"
                                    href="<?= base_url('cicilan/tolak/') . $c-
>id_bayar; ?>"
                                    class="btn-sm btn-danger btn-sm"
title="Tolak"><i
                                        class="fas fa-times"></i> Tolak</a>
                            <?php endif; ?>
                            <?php if ($c->status_cicilan == 1 || $c-
>status_cicilan == 2): ?>
                                <!-- reset status -->
                                <a onclick="return confirm('Yakin akan
mereset status?');"
                                    href="<?= base_url('cicilan/reset/') . $c-
>id_bayar; ?>"
                                    class="btn-sm btn-warning btn-sm"
title="Reset"><i
                                        class="fas fa-sync"></i> Reset</a>
                            <?php endif; ?>
                        </td>
                    </tr>
                    <?php $i++; ?>
                <?php endforeach; ?>
            </tbody>
        </table>
    </div>

    <!-- /.card-body -->
    <div class=" card-footer text-center">
```

```
            </div>
            <!-- /.card-footer -->
          </div>
          <!-- /.card -->
        </div>
        <!-- /.col -->
      </div>
      <!-- /.row -->


    </div><!--/. container-fluid -->
  </section>
  <!-- /.content -->
</div>
<!-- /.content-wrapper -->
<script>

</script>
```

g. ***Detail Pembayaran***

```
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Detil Pembayaran</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="#">Home</a></li>
            <li class="breadcrumb-item active">Detil Pembayaran</li>
          </ol>
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <!-- /.content-header -->

  <!-- Main content -->
```

```html
<section class="content">
  <div class="container-fluid">
    <!-- Info boxes -->

    <!-- tambah Detil Pembayaran-->

    <div class="row">
      <!-- table Detil Pembayaran-->
      <!-- Main row -->

      <div class="col-md-9">

        <!-- PRODUCT LIST -->
        <div class="card">
          <div class="card-header">
            <h3 class="card-title">Daftar Detil Pembayaran</h3>
            <!-- button tambah -->
            <div class="card-tools">
              <button type="button" class="btn btn-tool" data-card-widget="collapse">
                <i class="fas fa-minus"></i>
              </button>

            </div>
          </div>
          <!-- /.card-header -->
          <div class="card-body">
            <!-- alert -->
            <?= $this->session->flashdata('alert'); ?>
            <table id="example1" class="table table-bordered table-hover responsive">
              <thead>
                <tr>
                  <th style="width: 30px;">#</th>
                  <th>Melalui</th>
                  <th>Atas Nama</th>
                  <th>Nomor Akun</th>
                  <th>Status</th>
                  <th>Aksi</th>
                </tr>
              </thead>
```

```php
<tbody>
    <?php $i = 1;
    foreach ($pembayarans as $p): ?>
        <tr>
            <td>
                <?= $i++; ?>
            </td>
            <td>
                <?= $p->melalui; ?>
            </td>
            <td>
                <?= $p->nama_akun; ?>
            </td>
            <td>
                <?= $p->nomor; ?>
            </td>
            <td>
                <?php if ($p->status == 0): ?>
                    <span class="badge badge-warning">Belum Aktif</span>
                <?php else: ?>
                    <span class="badge badge-success">Aktif</span>
                <?php endif; ?>
            </td>
            <td>
                <?php if ($p->status == 0): ?>
                    <a href="<?= base_url('pembayarans/activate/') . $p->id_pembayaran; ?>"
                        class="btn-success btn-sm"><i class="fas fa-check" title="Aktifkan"
                        onclick="return confirm('Yakin ingin mengaktifkan?;')"></i></a>
                <?php else: ?>
                    <a href="<?= base_url('pembayarans/deactivate/') . $p->id_pembayaran; ?>"
                        class="btn-danger btn-sm" onclick="return confirm('Yakin ingin menonaktifkan?');"  title="Nonaktifkan"><i class="fas fa-times"></i></a>
                <?php endif; ?>
```

```php
                            <a href="<?= base_url('pembayarans/edit/') . $p->id_pembayaran; ?>"
                                class="btn-warning btn-sm"><i class="fas fa-edit"></i></a>
                            <a href="<?= base_url('pembayarans/delete/') . $p->id_pembayaran; ?>"
                                class="btn-danger btn-sm"
                                onclick="return confirm('Yakin ingin menghapus?')"><i
                                    class="fas fa-trash"></i></a>
                        </td>
                    <?php endforeach; ?>
                </tbody>
                <tfoot>
                    <tr>
                        <th style="width: 30px;">#</th>
                        <th>Melalui</th>
                        <th>Atas Nama</th>
                        <th>Nomor Akun</th>
                        <th>Status</th>
                        <th>Aksi</th>
                    </tr>
                </tfoot>
            </table>
        </div>

        <!-- /.card-body -->
        <div class=" card-footer text-center">

        </div>
        <!-- /.card-footer -->
    </div>
    <!-- /.card -->
</div>
<!-- /.col -->
<div class="col-md-3">

    <!-- PRODUCT LIST -->
    <div class="card">
        <div class="card-header">
            <h3 class="card-title">Tambah Detil Pembayaran</h3>
```

```html
            <!-- button tambah -->
            <div class="card-tools">
              <button type="button" class="btn btn-tool" data-card-widget="collapse">
                <i class="fas fa-minus"></i>
              </button>

            </div>
          </div>
          <!-- /.card-header -->
          <div class="card-body p-0">
            <ul class="products-list product-list-in-card pl-2 pr-2">
              <!-- form Detil Pembayaran dengan input nama foto level -->
              <form action="" method="post">
                <!-- via -->
                <div class="form-group">
                  <label for="via">Melalui</label>
                  <input type="text" class="form-control" id="via" name="via"
                    placeholder="Masukan Melalui">
                </div>
                <!-- atas nama -->
                <div class="form-group">
                  <label for="nama">Atas Nama</label>
                  <input type="text" class="form-control" id="nama" name="nama"
                    placeholder="Masukan Atas Nama">
                </div>
                <!-- nomor -->
                <div class="form-group">
                  <label for="nomor">Nomor Akun</label>
                  <input type="text" class="form-control" id="nomor" name="nomor"
                    placeholder="Masukan Nomor Akun">
                </div>
                <!-- button -->
                <div class="mt-4 col-md-12 mx-auto">
                  <button type="submit" class="btn btn-primary px-4">Submit</button>
                </div>
```

```
                    </form>
                  </ul>
                </div>
                <!-- /.card-body -->
                <div class=" card-footer text-center">

                </div>
                <!-- /.card-footer -->
              </div>
              <!-- /.card -->
            </div>
            <!-- /.col -->
          </div>
          <!-- /.row -->

        </div><!--/. container-fluid -->
      </section>
      <!-- /.content -->
    </div>
    <!-- /.content-wrapper -->
    <script>

    </script>
```

**h.  *Index***

```
<!-- Content Wrapper. Contains page content -->
<div class="content-wrapper">
  <!-- Content Header (Page header) -->
  <div class="content-header">
    <div class="container-fluid">
      <div class="row mb-2">
        <div class="col-sm-6">
          <h1 class="m-0">Dashboard</h1>
        </div><!-- /.col -->
        <div class="col-sm-6">
          <ol class="breadcrumb float-sm-right">
            <li class="breadcrumb-item"><a href="#">Home</a></li>
            <li class="breadcrumb-item active">Dashboard</li>
          </ol>
```

```
        </div><!-- /.col -->
      </div><!-- /.row -->
    </div><!-- /.container-fluid -->
  </div>
  <!-- /.content-header -->

  <!-- Main content -->
  <section class="content">
    <div class="container-fluid">
      <!-- Info boxes -->
      <div class="row">
        <?php if ($this->session->userdata('role_id') == 0) : ?>
          <div class="col-12 col-sm-6 col-md-4">
            <div class="info-box">
              <span class="info-box-icon bg-info elevation-1"><i class="fas
fa-money-bill-alt"></i></span>

              <div class="info-box-content">
                <span class="info-box-text">Jumlah Transaksi</span>
                <span class="info-box-number">
                  <?= $transcount ?>
                  <small></small>
                </span>
              </div>
              <!-- /.info-box-content -->
            </div>
            <!-- /.info-box -->
          </div>
          <!-- fix for small devices only -->
          <div class="clearfix hidden-md-up"></div>
          <!-- /.col -->
          <div class="col-12 col-sm-6 col-md-4">
            <div class="info-box mb-3">
              <span class="info-box-icon bg-warning elevation-1"><i
class="fas fa-users"></i></span>

              <div class="info-box-content">
                <span class="info-box-text">Pengguna</span>
                <span class="info-box-number">
                  <?= $userscount ?>
                </span>
```

```html
            </div>
            <!-- /.info-box-content -->
          </div>
          <!-- /.info-box -->
        </div>
        <div class="<?= $this->session->userdata('role_id') == 0 ? 'col-lg-
4 col-sm-6 col-md-4' : 'col-lg-12 col-sm-12 col-md-12' ?>  ">
          <div class="info-box mb-3">
            <span class="info-box-icon bg-danger elevation-1"><i
class="fas fa-money-bill-wave"></i></span>

            <div class="info-box-content">
              <span class="info-box-text">Jumlah Hutang
                <?= $this->session->userdata('role_id') == 1 ? $this-
>session->userdata('nama') . '.' : 'Pengguna' ?>
              </span>
              <span class="info-box-number">
                <?= $debtscount ?>
              </span>
            </div>
            <!-- /.info-box-content -->
          </div>
          <!-- /.info-box -->
        </div>
        <!-- /.col -->

      </div>
      <!-- /.row -->
    <?php endif; ?>
    <!-- /.col -->


    <?php if ($this->session->userdata('role_id') == 0) : ?>
      <!-- Main row -->
      <div class="row">

        <div class="col-md-12">

          <!-- PRODUCT LIST -->
          <div class="card">
```

```html
<div class="card-header">
    <h3 class="card-title">Hutang Baru</h3>

    <div class="card-tools">
        <button type="button" class="btn btn-tool" data-card-widget="collapse">
            <i class="fas fa-minus"></i>
        </button>
    </div>
</div>
<!-- /.card-header -->
<div class="card-body p-0">
    <ul class="products-list product-list-in-card pl-2 pr-2">
        <table id="example1" class="table table-bordered table-hover">
            <thead>
                <tr>
                    <th>#</th>
                    <th>Tanggal</th>
                    <th>Nominal</th>
                    <th>Keterangan</th>
                </tr>
            </thead>
            <tbody>
                <?php $i = 1;

                ?>
                <?php foreach ($hutangs as $h) : ?>
                    <tr>
                        <td style="width: 30px">
                            <?= $i; ?>
                        </td>
                        <td>
                            <?= Date('d-m-Y', $h->tanggal); ?>
                        </td>
                        <td>
                            <?= $h->nominal; ?>
                        </td>
                        <td>
                            <?= $h->keterangan; ?>
                        </td>
```

```php
                    </tr>
                    <?php $i++; ?>
                <?php endforeach; ?>
            </tbody>
            <tfoot>
                <tr>
                    <th>#</th>
                    <th>Tanggal</th>
                    <th>Nominal</th>
                    <th>Keterangan</th>
                </tr>
            </tfoot>
        </table>
    </ul>
</div>
<!-- /.card-body -->
<div class=" card-footer text-center">
    <a href="<?= base_url('debts') ?>" class="uppercase">Lihat
semua barang terhutang<i class="fas fa-arrow-down"></i> </a>
</div>
<!-- /.card-footer -->
</div>
<!-- /.card -->
</div>
<!-- /.col -->
</div>
<!-- /.row -->
<?php else : ?>
<!-- <div class="row">
    <div class="col-md-12 col-lg-12 w-100">
        <div class="alert alert-info no-hapus" role="alert">
            <h1><?= $debtscount > 0 ? 'Anda memiliki ' . $debtscount . '
hutang' : 'Selamat datang ' . $this->session->userdata('nama') ?></h1>
        </div>
        <div class="col-lg-12 mt-4">
            <a href="<?= base_url('deb') ?>" class="btn btn-sm btn-success
w-100"><i class="fas fa-newspaper"></i>
                Lihat Hutang Anda</a>
        </div>

    </div>
```

```html
      </div> -->
      <div class="row">

        <div class="col-md-12">

          <!-- PRODUCT LIST -->
          <div class="card">
            <div class="card-header">
              <h3 class="card-title">Hutang Baru</h3>

              <div class="card-tools">
                <button type="button" class="btn btn-tool" data-card-widget="collapse">
                  <i class="fas fa-minus"></i>
                </button>
              </div>
            </div>
            <!-- /.card-header -->
            <div class="card-body p-0">
              <ul class="products-list product-list-in-card pl-2 pr-2">
                <div class="alert alert-info no-hapus" role="alert">
                  <h1 class="w-100"><?= $debtscount > 0 ? 'Anda memiliki ' . $debtscount . ' hutang' : 'Selamat datang ' . $this->session->userdata('nama') ?></h1>
                </div>
              </ul>
            </div>
            <!-- /.card-body -->
            <div class=" card-footer text-center">
              <a href="<?= base_url('deb') ?>" class="btn btn-sm btn-success w-100"><i class="fas fa-newspaper"></i>
                Lihat Hutang Anda</a>
            </div>
            <!-- /.card-footer -->
          </div>
          <!-- /.card -->
        </div>
        <!-- /.col -->
      </div>

    <?php endif; ?>
```

```
        </div><!--/. container-fluid -->
      </section>
      <!-- /.content -->
    </div>
    <!-- /.content-wrapper -->
```

**2. Coding Controller**
   **a. Auth**

```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Auth extends CI_Controller
{

  public function __construct()
  {
    parent::__construct();
    // load model Login as logi
    $this->load->model('Login', 'logi');
  }

  public function index()
  {
    if ($this->session->userdata('username')) {
      redirect('main');
    }
    // form_validation rules
    $this->form_validation->set_rules('username', 'Username',
'required|trim', [
        'required' => 'Username harus diisi!'
    ]);
    $this->form_validation->set_rules('password', 'Password',
'required|trim', [
        'required' => 'Password harus diisi!'
    ]);

    // form_validation run
    if ($this->form_validation->run() == false) {
      $this->load->view('auth/auth-login');
    } else {
      // validation success
      $this->_login();
```

```php
    }
  }

    function _login()
    {
        // get inputan username dan password
        $username = $this->input->post('username');
        $password = $this->input->post('password');

        // get data user by username
        $user = $this->logi->cek_user($username);

        // jika usernya ada
        if ($user) {
            // jika usernya aktif
            // cek password
            if (password_verify($password, $user->password)) {
                // jika password benar
                $data = [
                    'username' => $user->username,
                    'role_id' => $user->level,
                    'user_id' => $user->id_user,
                    'nama' => $user->nama
                ];
                // set session
                $this->session->set_userdata($data);
                // redirect to dashboard
                redirect('Main');
            } else {
                // jika password salah
                $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Password salah!</div>');
                // set flashdata username
                $this->session->set_flashdata('username', $username);
                redirect('auth');
            }
        } else {
            // jika usernya tidak ada
            $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Username belum terdaftar!</div>');
            redirect('auth');
```

```php
        }
    }

    // logout
    public function logout()
    {
        // destroy session userdata username and role_id
        $this->session->unset_userdata('username');
        $this->session->unset_userdata('role_id');
        // redirect to login
        redirect('auth');
    }
}
```

b. **Main**

```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Main extends CI_Controller
{
    private $kategori = [
        'pemasukan' => 'Pemasukan',
        'pengeluaran' => 'Pengeluaran',
        'transfer' => 'Transfer',
        'pembelian' => 'Pembelian',
        'penjualan' => 'Penjualan'
    ];

    private $jenis = [
        'T' => 'Transfer',
        'C' => 'Cash'
    ];

    public function __construct()
    {
        parent::__construct();
        // load model Transactions
        $this->load->model('Transactions', 'trans');
        $this->load->model('Debts', 'deb');
        $this->load->model('Login', 'logi');
        $this->load->model('Users', 'usr');
```

```php
    $this->load->model('Cicilan', 'cic');
    $this->load->model('Pembayaran', 'pem');
    // if not login redirect to login page
    if (!$this->session->userdata('username')) {
        redirect('auth');
    }
}

// index / dashboard
public function index()
{
    // get count transactions, debts, users
    $data = [
        'title' => 'Dashboard',
        'transcount' => $this->trans->count_transactions(),
        'debtscount' => $this->deb->count_debts($this->session-
>userdata('role_id') == 1 ? $this->session->userdata('user_id') : null),
        'userscount' => $this->usr->count_users($this->session-
>userdata('role_id') == 1 ? $this->session->userdata('user_id') : null),
        'hutangcount' => $this->deb->count_debts($this->session-
>userdata('role_id') == 1 ? $this->session->userdata('user_id') : null),
        'hutangs' => $this->deb->get_debts()
    ];
    // load view
    $this->load->view('templates/main-header', $data);
    $this->load->view('templates/main-topbar');
    $this->load->view('templates/main-sidebar');
    // if user role 0
    if ($this->session->userdata('role_id') == 0) {
        $this->load->view('main-content/main-index', $data);
    } else {
        $this->load->view('main-content/main-userindex', $data);
    }
    $this->load->view('templates/main-footer');
}

// transactions / transaksi
public function transactions()
{
    // if form submitted
    // form validation rules
```

```php
    $this->form_validation->set_rules('tanggal', 'Tanggal Transaksi',
'required');
    $this->form_validation->set_rules('jenis', 'Jenis Transaksi', 'required');
    $this->form_validation->set_rules('kategori', 'Kategori Transaksi',
'required');
    $this->form_validation->set_rules('nominal', 'nominal Transaksi',
'required');

    // if form validation true
    if ($this->form_validation->run() == true) {
        // get form data
        $post = $this->input->post();
        $tanggal = $post['tanggal'];
        // convert tanggal to int
        $tanggal = strtotime($tanggal);
        $jenis = $post['jenis'];
        $nominal = $post['nominal'];
        $kategori = $post['kategori'];
        $keterangan = $post['keterangan'];

        // insert data to database
        $data = [
            'tgl_transaksi' => $tanggal,
            'jenis' => $jenis,
            'kategori' => $kategori,
            'nominal' => $nominal,
            'keterangan' => $keterangan
        ];


        if ($_FILES['foto']['name'] != '') {
            $upload = $this->uploadfile('foto');
            // if upload success
            if ($upload) {
                $data['foto'] = $upload['file_name'];
            } else {
                // set flashdata alert
                $this->session->set_flashdata('alert', '<div class="alert alert-
danger" role="alert">Gambar gagal diupload!</div>');
                // redirect to transactions page
```

```php
                redirect('transactions');
            }
        }
        // insert data to database
        if ($this->trans->insert($data)) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil ditambahkan!</div>');
            // redirect to transactions page
            redirect('transactions');
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal ditambahkan!</div>');
            // redirect to transactions page
            redirect('transactions');
        }
    } else {
        // get data transactions

        $transaksi = $this->trans->get_transactions();
        // change transaksi jenis as $this->jenis value
        foreach ($transaksi as $trans) {
            $trans->jenis = $this->jenis[$trans->jenis];
        }
        // load view
        $this->load->view('templates/main-header');
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-transactions', [
            'transaksi' => $transaksi,
            'kategori' => $this->kategori,
            'jenis' => $this->jenis
        ]);
        $this->load->view('templates/main-footer');
    }
}

public function edittransactions($id)
{
    // get data transactions by id
```

```php
// if form submitted
// form validation rules
$this->form_validation->set_rules('tanggal', 'Tanggal Transaksi',
'required');
$this->form_validation->set_rules('jenis', 'Jenis Transaksi', 'required');
$this->form_validation->set_rules('kategori', 'Kategori Transaksi',
'required');
$this->form_validation->set_rules('nominal', 'nominal Transaksi',
'required');

// if form validation true
if ($this->form_validation->run() == true) {
    // get form data
    $post = $this->input->post();
    $tanggal = $post['tanggal'];
    // convert tanggal to int
    $tanggal = strtotime($tanggal);
    $jenis = $post['jenis'];
    $nominal = $post['nominal'];
    $kategori = $post['kategori'];
    $keterangan = $post['keterangan'];

    // update data to database where id_transaksi == $id
    $data = [
        'tgl_transaksi' => $tanggal,
        'jenis' => $jenis,
        'kategori' => $kategori,
        'nominal' => $nominal,
        'keterangan' => $keterangan
    ];

    // if file selected
    if ($_FILES['foto']['name'] != '') {
        $old_img = $this->trans->get_transactions_by_id($id);
        try {
            unlink(FCPATH . 'assets/img/transactions/' . $old_img->foto);
        } catch (Exception $e) {
            // do nothing
        }
```

```php
            $upload = $this->uploadfile('foto');
            // if upload success
            if ($upload) {
                $data['foto'] = $upload['file_name'];
                // remove old image
            }
        }

        // update data to database
        $updated = $this->trans->update($id, $data);
        // if update success
        if ($updated) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil diubah!</div>');
            // redirect to transactions page
            redirect('transactions/edit/' . $id);
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal diubah!</div>');
            // redirect to transactions page
            redirect('transactions/edit/' . $id);
        }
    } else {
        // get data transactions by id
        $trans = $this->trans->get_transactions_by_id($id);
        // load view
        $this->load->view('templates/main-header');
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-edittransactions', [
            'trans' => $trans,
            'kategori' => $this->kategori,
            'jenis' => $this->jenis
        ]);
        $this->load->view('templates/main-footer');
    }
}

public function deletetransactions($id)
```

```php
{

    // get image name
    $old_data = $this->trans->get_transactions_by_id($id);
    // delete data from database
    if ($this->trans->delete($id)) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil dihapus!</div>');
    } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal dihapus!</div>');
    }
    // try catch
    try {
        unlink(FCPATH . 'assets/img/transactions/' . $old_data->foto);
    } catch (Exception $e) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Gambar gagal dihapus!</div>');
    }
    redirect('transactions');
}

// akhir transaksi / end transactions

// debts / hutang
public function debts()
{
    $post = $this->input->post(NULL, TRUE);
    if ($post) {
        $data = [
            'tanggal' => strtotime($post['tanggal']),
            'nominal' => $post['nominal'],
            'lama_pinjam' => $post['lama_pinjam'],
            'user_id' => $post['user_id'],
            'keterangan' => $post['keterangan']
        ];
        if ($this->deb->add_debts($data)) {
            // set flashdata alert
```

```php
            $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil ditambahkan!</div>');
            // redirect to transactions page
            redirect('debts');
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal ditambahkan!</div>');
            // redirect to transactions page
            redirect('debts');
        }
    } else {

        $data = [
            'hutangs' => $this->deb->get_debts_with_hutang(),
            'users' => $this->usr->get_users($is_only_user = TRUE),
            'kategori' => $this->kategori,
            'jenis' => $this->jenis
        ];
        // load view
        $this->load->view('templates/main-header');
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-debts', $data);
        $this->load->view('templates/main-footer');
    }
}

public function editdebts($id)
{
    // get data transactions by id
    $deb = $this->deb->get_debts_by_id($id);
    // if form submitted
    // form validation rules
    $this->form_validation->set_rules('tanggal', 'Tanggal Transaksi',
'required');
    $this->form_validation->set_rules('lama_pinjam', 'Lama Pinjam',
'required');

    $this->form_validation->set_rules('nominal', 'nominal Transaksi',
'required');
```

```php
        // if form validation true
        if ($this->form_validation->run() == true) {
            // get form data
            $post = $this->input->post();
            $tanggal = $post['tanggal'];
            // convert tanggal to int
            $tanggal = strtotime($tanggal);
            $nominal = $post['nominal'];
            $lama_pinjam = $post['lama_pinjam'];
            $user_id = $post['user_id'];
            $keterangan = $post['keterangan'];

            // update data to database where id_transaksi == $id
            $data = [
                'tanggal' => $tanggal,
                'nominal' => $nominal,
                'lama_pinjam' => $lama_pinjam,
                'user_id' => $user_id,
                'keterangan' => $keterangan
            ];

            // update data to database
            $updated = $this->deb->edit_debts($id, $data);
            // if update success
            if ($updated) {
                // set flashdata alert
                $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil diubah!</div>');
                // redirect to transactions page
                redirect('debts/edit/' . $id);
            } else {
                // set flashdata alert
                $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal diubah!</div>');
                // redirect to transactions page
                redirect('debts/edit/' . $id);
            }
        } else {
            // load view
            $this->load->view('templates/main-header');
```

```php
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-editdebts', [
            'deb' => $deb,
            'users' => $this->usr->get_users($is_only_user = TRUE),
            'kategori' => $this->kategori,
            'jenis' => $this->jenis
        ]);
        $this->load->view('templates/main-footer');
    }
}

public function deletedebts($id)
{
    // delete data from database
    if ($this->deb->delete_debts($id)) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil dihapus!</div>');
    } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal dihapus!</div>');
    }
    redirect('debts');
}

// setujui debts / approve debts
public function approvedebts($id)
{
    // get data transactions by id
    $deb = $this->deb->get_debts_by_id($id);
    // update status to 1
    $data = [
        'status' => 1
    ];
    // update data to database where id_transaksi == $id
    $updated = $this->deb->edit_debts($id, $data);
    // if update success
    if ($updated) {
        // set flashdata alert
```

```php
        $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil disetujui!</div>');
        // redirect to transactions page
        redirect('debts');
    } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal disetujui!</div>');
        // redirect to transactions page
        redirect('debts');
    }
  }

  // tolak debts / reject debts
  public function rejectdebts($id)
  {
    // get data transactions by id
    $deb = $this->deb->get_debts_by_id($id);
    // update status to 1
    $data = [
       'status' => 2
    ];
    // update data to database where id_transaksi == $id
    $updated = $this->deb->edit_debts($id, $data);
    // if update success
    if ($updated) {
       // set flashdata alert
       $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil ditolak!</div>');
       // redirect to transactions page
       redirect('debts');
    } else {
       // set flashdata alert
       $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal ditolak!</div>');
       // redirect to transactions page
       redirect('debts');
    }
  }

  // reset status
```

```php
public function resetdebts($id)
{
    // get data transactions by id
    $deb = $this->deb->get_debts_by_id($id);
    // update status to 1
    $data = [
        'status' => 0
    ];
    // update data to database where id_transaksi == $id
    $updated = $this->deb->edit_debts($id, $data);
    // if update success
    if ($updated) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Status berhasil direset!</div>');
        // redirect to transactions page
        redirect('debts');
    } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Status gagal di reset!</div>');
        // redirect to transactions page
        redirect('debts');
    }
}

// akhir hutang / end debts


// cicilan
public function cicilan()
{
    $post = $this->input->post(NULL, TRUE);
    if ($post) {
        $data = [
            'tgl_cicilan' => strtotime($post['tanggal']),
            'jumlah' => $post['jumlah'],
        ];
        // upload
        $upload = $this->uploadfile('foto', 'cicilan');
        // if upload success
```

```php
        if ($upload) {
            $data['foto'] = $upload['file_name'];
        }
        if ($this->cic->add_cicilan($data)) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil ditambahkan!</div>');
            // redirect to transactions page
            redirect('cicilan');
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal ditambahkan!</div>');
            // redirect to transactions page\
            redirect('cicilan');
        }
    } else {

        $data = [
            'title' => 'Cicilan',
            'cicilans' => $this->cic->get_cicilan(),
            'kategori' => $this->kategori,
            'jenis' => $this->jenis
        ];
        // load view
        $this->load->view('templates/main-header', $data);
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-cicilan', $data);
        $this->load->view('templates/main-footer');
    }
}



    // setujui cicilan / approve cicilan
    public function approvecicilan($id)
    {
        // get data transactions by id
        $cic = $this->cic->get_cicilan_by_id($id);
        // update status to 1
```

```php
        $data = [
            'status_cicilan' => 1
        ];
        // update data to database where id_transaksi == $id
        $updated = $this->cic->update_cicilan($id, $data);
        // if update success
        if ($updated) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil disetujui!</div>');
            // redirect to transactions page
            redirect('cicilan');
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal disetuji!</div>');
            // redirect to transactions page
            redirect('cicilan');
        }
    }

    // tolak cicilan / reject cicilan
    public function rejectcicilan($id)
    {
        // get data transactions by id
        $cic = $this->cic->get_cicilan_by_id($id);
        // update status to 1
        $data = [
            'status_cicilan' => 2
        ];
        // update data to database where id_transaksi == $id
        $updated = $this->cic->update_cicilan($id, $data);
        // if update success
        if ($updated) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil ditolak!</div>');
            // redirect to transactions page
            redirect('cicilan');
        } else {
            // set flashdata alert
```

```php
        $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal ditolak!</div>');
        // redirect to transactions page
        redirect('cicilan');
    }
}

// reset status
public function resetcicilan($id)
{
    // get data transactions by id
    $cic = $this->cic->get_cicilan_by_id($id);
    // update status to 1
    $data = [
        'status_cicilan' => 0
    ];
    // update data to database where id_transaksi == $id
    $updated = $this->cic->update_cicilan($id, $data);
    // if update success
    if ($updated) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Status berhasil direset!</div>');
        // redirect to transactions page
        redirect('cicilan');
    } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Status gagal di reset!</div>');
        // redirect to transactions page
        redirect('cicilan');
    }
}

// users / data pengguna
public function users()
{
    // form validation rules
    $this->form_validation->set_rules('nama', 'Nama Pengguna', 'required');
    $this->form_validation->set_rules('level', 'level Pengguna', 'required');
```

```php
    // if form validation true
    if ($this->form_validation->run() == true) {
      // get form data
      $post = $this->input->post();
      $nama = $post['nama'];
      $level = $post['level'];

      // insert data to database
      $data = [
        'nama' => $nama,
        'level' => $level,
      ];

      // if upload image
      if (!empty($_FILES['foto']['name'])) {
        // upload image
        $upload = $this->uploadfile('foto', 'users');
        $data['foto'] = $upload['file_name'];
      }

      // insert data to database
      $inserted = $this->usr->insert($data);
      // if insert success
      if ($inserted) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil ditambahkan!</div>');
        // redirect to transactions page
        redirect('users');
      } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal ditambahkan!</div>');
        // redirect to transactions page
        redirect('users');
      }
    } else {
      $data = [
        'title' => 'Data Pengguna',
        'users' => $this->usr->get_users()
      ];
```

```php
    // load view
    $this->load->view('templates/main-header', $data);
    $this->load->view('templates/main-topbar');
    $this->load->view('templates/main-sidebar');
    $this->load->view('main-content/main-users', $data);
    $this->load->view('templates/main-footer');
  }
}

public function editusers($id)
{
  // get data transactions by id
  $user = $this->usr->get_users_by_id($id);
  // if form submitted
  // form validation rules
  $this->form_validation->set_rules('nama', 'Nama Pengguna', 'required');
  $this->form_validation->set_rules('level', 'level Pengguna', 'required');

  // if form validation true
  if ($this->form_validation->run() == true) {
    // get form data
    $post = $this->input->post();
    $nama = $post['nama'];
    $level = $post['level'];

    // update data to database where id_transaksi == $id
    $data = [
      'nama' => $nama,
      'level' => $level,
    ];

    // if upload image
    if (!empty($_FILES['foto']['name'])) {
      // delete old image
      try {
        unlink(FCPATH . 'assets/img/users/' . $user->foto);
      } catch (Exception $e) {
        // do nothing
      }
      // upload image
      $upload = $this->uploadfile('foto', 'users');
```

```php
        $data['foto'] = $upload['file_name'];
      }

      // update data to database
      $updated = $this->usr->update($id, $data);
      // if update success
      if ($updated) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil diubah!</div>');
        // redirect to transactions page
        redirect('users/edit/' . $id);
      } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal diubah!</div>');
        // redirect to transactions page
        redirect('users/edit/' . $id);
      }
    } else {
      $data = [
        'title' => 'Edit Data Pengguna',
        'user' => $user
      ];
      // load view
      $this->load->view('templates/main-header', $data);
      $this->load->view('templates/main-topbar');
      $this->load->view('templates/main-sidebar');
      $this->load->view('main-content/main-editusers', $data);
      $this->load->view('templates/main-footer');
    }
  }

  public function deleteusers($id)
  {
    // get data transactions by id
    $user = $this->usr->get_users_by_id($id);
    // delete data from database
    if ($this->usr->delete($id)) {
      // delete image
      try {
```

```php
        unlink(FCPATH . 'assets/img/users/' . $user->foto);
      } catch (Exception $e) {
        // do nothing
      }
      // set flashdata alert
      $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil dihapus!</div>');
    } else {
      // set flashdata alert
      $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal dihapus!</div>');
    }
    redirect('users');
  }

  public function setlogin($id)
  {
    // get data transactions by id
    $login = $this->logi->get_login_by_user_id($id);
    $form_error = [
      'required' => 'Kolom {field} harus diisi!',
      'matches' => 'Kolom {field} tidak sesuai dengan kolom password!'
    ];
    // form validation rules username, password, password1
    $this->form_validation->set_rules('username', 'Username', 'required', $form_error);
    $this->form_validation->set_rules('password', 'password', 'required', $form_error);
    $this->form_validation->set_rules('password1', 'Konfirmasi password', 'required|matches[password]', $form_error);
    // if form validation true
    if ($this->form_validation->run() == true) {
      // get form data
      $post = $this->input->post();
      $username = $post['username'];
      $password = $post['password'];

      // update data to database where id_transaksi == $id with hashed password
      $data = [
        'username' => $username,
```

```php
            'password' => password_hash($password, PASSWORD_DEFAULT)
        ];

        // update data to database
        $updated = $this->logi->update_by_user_id($id, $data);

        // if update success
        if ($updated) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil diubah!</div>');
            // redirect to transactions page
            redirect('users/setlogin/' . $id);
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal diubah!</div>');
            // redirect to transactions page
            redirect('users/setlogin/' . $id);
        }
    } else {
        $data = [
            'title' => 'Set Login',
            'login' => $login
        ];
        // load view
        $this->load->view('templates/main-header', $data);
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-setlogin', $data);
        $this->load->view('templates/main-footer');
    }
}
// akhir data pengguna / end users

// detil pembayaran / payment details

public function detil_pembayaran()
{
    // form validation rules via, nama, nomor
    $error = [
```

```php
        'required' => 'Kolom {field} harus diisi!',
        'numeric' => 'Kolom {field} harus berupa angka!'
    ];

    $this->form_validation->set_rules('via', 'Melalui', 'required', $error);
    $this->form_validation->set_rules('nama', 'Nama', 'required', $error);
    $this->form_validation->set_rules('nomor', 'Nomor akun', 'required|numeric', $error);

    // if form validation true
    if ($this->form_validation->run() == true) {
        // get form data
        $post = $this->input->post();
        $via = $post['via'];
        $nama = $post['nama'];
        $nomor = $post['nomor'];

        // insert data to database
        $data = [
            'melalui' => $via,
            'nama_akun' => $nama,
            'nomor' => $nomor,
            'status' => 1
        ];

        // insert data to database
        $inserted = $this->pem->insert($data);

        // if insert success
        if ($inserted) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil ditambahkan!</div>');
            // redirect to transactions page
            redirect('pembayarans');
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal ditambahkan!</div>');
            // redirect to transactions page
            redirect('pembayarans');
```

```php
        }
    } else {
        $data = [
            'title' => 'Detil Pembayaran',
            'pembayarans' => $this->pem->get_pembayaran()
        ];
        // load view
        $this->load->view('templates/main-header', $data);
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-detilpembayaran', $data);
        $this->load->view('templates/main-footer');
    }
}

public function editdetilpembayaran($id)
{
    // get data transactions by id
    $pembayaran = $this->pem->get_pembayaran_by_id($id);
    // if form submitted
    // form validation rules
    $error = [
        'required' => 'Kolom {field} harus diisi!',
        'numeric' => 'Kolom {field} harus berupa angka!'
    ];
    $this->form_validation->set_rules('via', 'Melalui', 'required', $error);
    $this->form_validation->set_rules('nama', 'Nama', 'required', $error);
    $this->form_validation->set_rules('nomor', 'Nomor akun',
'required|numeric', $error);

    // if form validation true
    if ($this->form_validation->run() == true) {
        // get form data
        $post = $this->input->post();
        $via = $post['via'];
        $nama = $post['nama'];
        $nomor = $post['nomor'];

        // update data to database where id_transaksi == $id
        $data = [
            'melalui' => $via,
```

```php
          'nama_akun' => $nama,
          'nomor' => $nomor
      ];

      // update data to database
      $updated = $this->pem->update($id, $data);

      // if update success
      if ($updated) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil diubah!</div>');
        // redirect to transactions page
        redirect('pembayarans/edit/' . $id);
      } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal diubah!</div>');
        // redirect to transactions page
        redirect('pembayarans/edit/' . $id);
      }
    } else {
      $data = [
        'title' => 'Edit Detil Pembayaran',
        'pembayaran' => $pembayaran
      ];
      // load view
      $this->load->view('templates/main-header', $data);
      $this->load->view('templates/main-topbar');
      $this->load->view('templates/main-sidebar');
      $this->load->view('main-content/main-editdetilpembayaran', $data);
      $this->load->view('templates/main-footer');
    }
  }

  public function deletedetilpembayaran($id)
  {
    // get data transactions by id
    $pembayaran = $this->pem->get_pembayaran_by_id($id);
    // delete data from database
    if ($this->pem->delete($id)) {
```

```php
        $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil dihapus!</div>');
      } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal dihapus!</div>');
      }
      redirect('pembayarans');
    }

    public function activatedetilpembayaran($id)
    {
      // get data transactions by id
      $pembayaran = $this->pem->get_pembayaran_by_id($id);
      // update data to database where id_transaksi == $id
      $data = [
        'status' => 1
      ];
      // update data to database
      $updated = $this->pem->update($id, $data);
      // if update success
      if ($updated) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">Data berhasil diaktifkan!</div>');
        // redirect to transactions page
        redirect('pembayarans');
      } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Data gagal diaktifkan!</div>');
        // redirect to transactions page
        redirect('pembayarans');
      }
    }

    public function deactivatedetilpembayaran($id)
    {
      // get data transactions by id
      $pembayaran = $this->pem->get_pembayaran_by_id($id);
      // update data to database where id_transaksi == $id
```

```php
    $data = [
        'status' => 0
    ];
    // update data to database
    $updated = $this->pem->update($id, $data);
    // if update success
    if ($updated) {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil dinonaktifkan!</div>');
        // redirect to transactions page
        redirect('pembayarans');
    } else {
        // set flashdata alert
        $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal dinonaktifkan!</div>');
        // redirect to transactions page
        redirect('pembayarans');
    }
}
// akhir detil pembayaran / end payment details

// reports / laporan
public function reports()
{

    $reports = $this->trans->get_reports(strtotime(Date('Y-m-d', strtotime('-12 days'))), strtotime(Date('Y-m-d')));
    foreach ($reports as $report) {
        $report->jenis = $this->jenis[$report->jenis];
    }
    $kategori = 1;
    $tanggal_dari = Date('Y-m-d', strtotime('-12 days'));
    $tanggal_sampai = Date('Y-m-d');
    // form validation rules
    $this->form_validation->set_rules('tanggal_dari', 'Tanggal Awal', 'required');
    $this->form_validation->set_rules('tanggal_sampai', 'Tanggal Akhir', 'required');
    $this->form_validation->set_rules('kategori', 'Kategori', 'required');
```

```php
    // if form validation true
    if ($this->form_validation->run() == true) {
      // get form data
      $post = $this->input->post();
      $tanggal_dari = $post['tanggal_dari'];
      $tanggal_sampai = $post['tanggal_sampai'];
      $kategori = $post['kategori'];

      // flashdata kategori

      if ($kategori == 1) {
        $reports = $this->trans->get_reports(strtotime($tanggal_dari),
strtotime($tanggal_sampai));
        foreach ($reports as $report) {
          $report->jenis = $this->jenis[$report->jenis];
        }
      } else {
        $reports = $this->deb->get_reports(strtotime($tanggal_dari),
strtotime($tanggal_sampai));
      }
    }
    $this->session->set_flashdata('kategori', $kategori);
    $laporan = $kategori == 1 ? 'Transaksi' : 'Hutang';
    $data = [
      'title' => 'Laporan ' . $laporan . ' ' . Date('d-m-Y',
strtotime($tanggal_dari)) . ' s/d ' . Date('d-m-Y', strtotime($tanggal_sampai)),
      'reports' => $reports
    ];
    // load view
    $this->load->view('templates/main-header', $data);
    $this->load->view('templates/main-topbar');
    $this->load->view('templates/main-sidebar');
    $this->load->view('main-content/main-reports', $data);
    $this->load->view('templates/main-footer');
  }
  // akhir laporan / end reports

  // user hutang
  public function userdeb($user_id = NULL)
  {
```

```php
        $debs = $this->deb->get_deb_by_user_id($user_id != NULL ? $user_id :
$this->session->userdata('user_id'));
        $data = [
            'title' => 'Data Hutang',
            'debs' => $debs
        ];
        // load view
        $this->load->view('templates/main-header', $data);
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-userdeb', $data);
        $this->load->view('templates/main-footer');
    }

    public function userdebadd()
    {
        // form validation rules
        $this->form_validation->set_rules('tanggal', 'Tanggal', 'required');
        $this->form_validation->set_rules('jumlah', 'Jumlah', 'required|numeric');
        $this->form_validation->set_rules('lama', 'Lama Pinjam',
'required|numeric');
        $this->form_validation->set_rules('keterangan', 'Keterangan', 'required');

        // if form validation true
        if ($this->form_validation->run() == true) {
            // get form data
            $post = $this->input->post();
            $tanggal = $post['tanggal'];
            $jumlah = $post['jumlah'];
            $lama = $post['lama'];
            $keterangan = $post['keterangan'];

            // insert
            $data = [
                'user_id' => $this->session->userdata('user_id'),
                'tanggal' => strtotime($tanggal),
                'nominal' => $jumlah,
                'lama_pinjam' => $lama,
                'keterangan' => $keterangan
            ];
```

```php
      // insert to database
      $inserted = $this->deb->add_debts($data);

      // if insert success
      if ($inserted) {
          // set flashdata alert
          $this->session->set_flashdata('alert', '<div class="alert alert-success" role="alert">Data berhasil ditambahkan!</div>');
          // redirect to transactions page
          redirect('pinjam');
      } else {
          // set flashdata alert
          $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Data gagal ditambahkan!</div>');
          // redirect to transactions page
          redirect('pinjam');
      }
    } else {
        $data = [
            'title' => 'Tambah Hutang'
        ];
        // load view
        $this->load->view('templates/main-header', $data);
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-userdebadd', $data);
        $this->load->view('templates/main-footer');
    }
  }


  // bayar hutang
  public function userdebpay($id = NULL)
  {
    // get data by id
    $deb = $this->deb->get_debts_by_id($id);
    // if $deb->status == 0 redirect to deb
    // var_dump($deb);
    // die;
    $total_cicilan = $deb->total_cicilan != null ? $deb->total_cicilan : 0;
    if ($deb->status == 0) {
```

```php
        // alert hutang belum disetujui
        $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Hutang belum disetujui!</div>');
        redirect('deb');
    }
    // if $deb->status == 2 redirect to deb
    if ($deb->status == 2) {
        // alert hutang ditolak
        $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Hutang ditolak!</div>');
        redirect('deb');
    }
    $error = [
        'required' => 'kolom {field} harus diisi!',
        'numeric' => 'kolom {field} harus berupa angka!',
    ];
    // form validation rules
    $this->form_validation->set_rules('jumlah', 'Jumlah', 'required|numeric',
$error);


    // if form validation true
    if ($this->form_validation->run() == true) {
        // get form data
        $post = $this->input->post();
        $jumlah = $post['jumlah'];


        // echo $jumlah <= ($deb->nominal - ($deb->total_cicilan > 0 ? $deb-
>total_cicilan : 0));
        // die;
        // insert
        $data = [
            'piutang_id' => $id,
            'tgl_cicilan' => time(),
            'jumlah' => $jumlah,
        ];
        $sisa = $deb->nominal - $total_cicilan;
        // if jumlah > sisa hutang redirect to userdebpay page and set alert
        if ($jumlah > $sisa) {
```

```php
            $this->session->set_flashdata('warning', '*Jumlah bayar tidak boleh
melebihi sisa hutang!');
            $this->session->set_flashdata('jumlah', $jumlah);
            // alert hutang belum disetujui
            $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">Jumlah bayar tidak boleh melebihi sisa hutang!</div>');
            // redirect to transactions page
            redirect('bayar/' . $id);
        }

        if (!empty($_FILES['foto']['name'])) {
            // upload foto
            $foto = $this->uploadfile('foto', 'bayar');

            // if upload success
            if ($foto) {
                $data['foto'] = $foto['file_name'];
            } else {
                // set flashdata alert
                $this->session->set_flashdata('alert', '<div class="alert alert-
danger" role="alert">Foto gagal diupload!</div>');
                // redirect to transactions page
                redirect('bayar/' . $id);
            }
        }
        // insert to database
        $inserted = $this->cic->add_cicilan($data);

        // if insert success
        if ($inserted) {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-success"
role="alert">hutang berhasil dibayar! mohon tunggu hingga admin
mengkonfirmasi pembayaran Anda</div>');
            // redirect to transactions page
            redirect('bayar/' . $id);
        } else {
            // set flashdata alert
            $this->session->set_flashdata('alert', '<div class="alert alert-danger"
role="alert">hutang gagal dibayar!</div>');
            // redirect to transactions page
```

```php
            redirect('bayar/' . $id);
        }
    } else {
        $data = [
            'title' => 'Bayar Hutang',
            'deb' => $deb,
            'pembayarans' => $this->pem->get_pembayaran(1)
        ];
        // load view
        $this->load->view('templates/main-header', $data);
        $this->load->view('templates/main-topbar');
        $this->load->view('templates/main-sidebar');
        $this->load->view('main-content/main-userdebpay', $data);
        $this->load->view('templates/main-footer');
    }
}


    private function uploadfile($name, $folder = 'transactions')
    {
        // config upload
        $config['upload_path'] = './assets/img/' . $folder . '/';
        $config['allowed_types'] = 'jpg|png|jpeg';
        $config['max_size'] = '5000';
        // file name
        $config['file_name'] = $folder . '_' . time();

        // load library upload
        $this->load->library('upload', $config);

        // if upload success
        if ($this->upload->do_upload($name)) {
            return $this->upload->data();
        } else {
            // return false;

            // $this->session->set_flashdata('alert', '<div class="alert alert-danger" role="alert">Gambar gagal diupload!</div>');
            // redirect('transactions');
```

```php
        // $this->form_validation->set_message('uploadfile', $this->upload-
>display_errors());
            echo $this->upload->display_errors();
            return false;
        }
    }
}
```

3. **Coding Model**
   a. **Login**

```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Login extends CI_Model
{
    private $table = 'tlogin';

    public function __construct()
    {
        parent::__construct();
        $this->load->database();
    }

    // get login by user_id
    public function get_login_by_user_id($user_id)
    {
        $this->db->select('*');
        $this->db->from($this->table);
        $this->db->where('user_id', $user_id);
        $query = $this->db->get();
        return $query->row();
    }
    // update by user_id
    public function update_by_user_id($user_id, $data)
    {
        $this->db->where('user_id', $user_id);
        $this->db->update($this->table, $data);
    }

    // cek login
    public function cek_user($username)
    {
```

```php
      $this->db->select('*');
      $this->db->from('view_user_login');
      $this->db->where('username', $username);
      return $this->db->get()->row();
    }
}
```

b. **User**

```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Users extends CI_Model
{
    private $table = 'tuser';

    public function __construct()
    {
        parent::__construct();
        $this->load->database();
    }

    public function get_users($is_only_user = FALSE)
    {
        $this->db->select('*');
        $this->db->from($this->table);
        if ($is_only_user) {
            $this->db->where('level', 1);
        }
        $query = $this->db->get();
        return $query->result();
    }

    public function get_users_by_id($id)
    {
        $this->db->select('*');
        $this->db->from($this->table);
        $this->db->where('id_user', $id);
        $query = $this->db->get();
        return $query->row();
    }
```

```php
public function insert($data)
{
    $this->db->insert($this->table, $data);
    // return affected rows
    return $this->db->affected_rows();
}

public function update($id, $data)
{
    $this->db->where('id_user', $id);
    $this->db->update($this->table, $data);
    // return affected rows
    return $this->db->affected_rows();
}

public function delete($id)
{
    $this->db->where('id_user', $id);
    $this->db->delete($this->table);
    // return affected rows
    return $this->db->affected_rows();
}

public function count_users($user_id = null)
{
    $this->db->select('*');
    $this->db->from($this->table);
    if ($user_id != null) {
        $this->db->where('id_user', $user_id);
    }
    return $this->db->count_all_results();
}

}
```

c. **Pembayaran**

```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Pembayaran extends CI_Model
{
```

```php
private $table = 'tpembayaran';

public function __construct()
{
    parent::__construct();
    $this->load->database();
}

public function get_pembayaran($status = null)
{
    $this->db->select('*');
    $this->db->from($this->table);
    if ($status != null) {
        $this->db->where('status', $status);
    }
    $query = $this->db->get();
    return $query->result();
}

public function get_pembayaran_by_id($id)
{
    $this->db->select('*');
    $this->db->from($this->table);
    $this->db->where('id_pembayaran', $id);
    $query = $this->db->get();
    return $query->row();
}

public function insert($data)
{
    $this->db->insert($this->table, $data);
    // return affected rows
    return $this->db->affected_rows();
}

public function update($id, $data)
{
    $this->db->where('id_pembayaran', $id);
    $this->db->update($this->table, $data);
    // return affected rows
    return $this->db->affected_rows();
```

```php
  }

  public function delete($id)
  {
    $this->db->where('id_pembayaran', $id);
    $this->db->delete($this->table);
    // return affected rows
    return $this->db->affected_rows();
  }
}
```

d. **Debt**
```php
<?php
defined('BASEPATH') or exit('No direct script access allowed');

class Debts extends CI_Model
{
  private $table = 'tpiutang';

  public function __construct()
  {
    parent::__construct();
    $this->load->database();
    $table = 'tpiutang';
  }

  public function get_debts($jumlah = null, $user_id = null)
```

```php
    {
        $this->db->select('*');
        $this->db->from($this->table);
        // join tuser
        $this->db->join('tuser', 'tuser.id_user = tpiutang.user_id');
        // if jumlah not null
        if ($jumlah != null) {
            $this->db->order_by('tanggal', 'desc');
            $this->db->limit($jumlah);
            // sort by date desc
        }
        // where user_id = $user_id
        if ($user_id != null) {
            $this->db->where('user_id', $user_id);
        }
        return $this->db->get()->result();
    }

    public function get_debts_by_id($id)
    {
        $this->db->select('*');
        // $this->db->select('(SELECT SUM(jumlah) FROM tcicilan WHERE
piutang_id = tpiutang.id_piutang and status_cicilan = 1 ) AS total_cicilan');
        // when jumlah is null replace with 0
        $this->db->select('(SELECT SUM(jumlah) FROM tcicilan WHERE
piutang_id = tpiutang.id_piutang and status_cicilan = 1 ) AS total_cicilan',
FALSE);
        $this->db->from($this->table);
        $this->db->where('id_piutang', $id  );
        return $this->db->get()->row();
    }

    public function get_debts_with_hutang()
    {
        $this->db->select('*');
        $this->db->select('(SELECT SUM(jumlah) FROM tcicilan WHERE
piutang_id = tpiutang.id_piutang and status_cicilan = 1 ) AS total_cicilan');
        $this->db->from($this->table);
        $this->db->join('tuser', 'tuser.id_user = tpiutang.user_id');
        return $this->db->get()->result();
    }
```

```php
public function get_deb_by_user_id($user_id)
{

    // SELECT * , (SELECT SUM(jumlah) FROM tcicilan WHERE piutang_id =
    p.id_piutang ) AS total_bayar FROM tpiutang p WHERE user_id = $user_id
    $this->db->select('*');
    $this->db->select('(SELECT SUM(jumlah) FROM tcicilan WHERE
    piutang_id = tpiutang.id_piutang and status_cicilan = 1 ) AS total_cicilan');
    $this->db->from($this->table);
    // where user_id = $user_id and piutang.status = 1
    $this->db->where('user_id', $user_id);
    return $this->db->get()->result();
}

public function add_debts($data)
{
    $this->db->insert($this->table, $data);
    return $this->db->affected_rows();
}

public function edit_debts($id, $data)
{
    $this->db->where('id_piutang', $id);
    $this->db->update($this->table, $data);
    return $this->db->affected_rows();
}

public function delete_debts($id)
{
    $this->db->where('id_piutang', $id);
    $this->db->delete($this->table);
    return $this->db->affected_rows();
}

// report
public function get_reports($tanggal_dari = null, $tanggal_sampai = null)
{
    $this->db->select('*');
    $this->db->select('(SELECT SUM(jumlah) FROM tcicilan WHERE
    piutang_id = tpiutang.id_piutang and status_cicilan = 1 ) AS total_cicilan');
```

```php
        $this->db->from($this->table);
        // join tuser
        $this->db->join('tuser', 'tuser.id_user = tpiutang.user_id');
        // if tanggal_dari and tanggal_sampai not null
        if ($tanggal_dari != null && $tanggal_sampai != null) {
            // between
            $this->db->where('tanggal BETWEEN ' . $tanggal_dari . ' and ' .
$tanggal_sampai);
        }
        return $this->db->get()->result();
    }

    public function count_debts($user_id = null)
    {
        $this->db->select('*');
        $this->db->from($this->table);
        if ($user_id != null) {
            $this->db->where('user_id', $user_id);
        }
        return $this->db->count_all_results();
    }
}
```