

**L
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DAFTAR LAMPIRAN

Listing Program

1. Cek *login.php*

```

<?php
session_start(); // harus ada di bagian
paling atas kode
$path_to_root = "";
include $path_to_root . 'database.php';
//object database class
$db = new database();
$user
strip_tags(trim($_POST['username']));
#echo $user;
$pass
strip_tags(trim($_POST['password']));
#echo $pass;
$sql = get_sql_login_admin_page($user,
$pass);
$result = $db->db_query($sql);
$num_rows = $db->db_num_rows($result);
if ($num_rows > 0) {
    $rows = $db->db_fetch_array($result);
    unset($_POST); // hapus post
form
    $_SESSION['apriori_toko_id'] =
$rows['id']; // mengisi session

    $_SESSION['apriori_toko_username'] =
$rows['username'];
    $_SESSION['apriori_toko_level'] =
$rows['level'];
    $level_name =
($SESSION['apriori_toko_level']==1)?
"admin":"kepala";

    $_SESSION['apriori_toko_level_name']
= $level_name;
    $_SESSION['apriori_toko_key'] =
sha1(date("Y-m-d H:i:s") . $rows['id']);

    $_SESSION['apriori_toko_last_login'] =
date("d-m-Y H:i:s");
    header("location:index.php");
} else {

header("location:login.php?login=1");
}
query get login

```

```

@param string $user username
@param string $pass password
@return string
/
function
get_sql_login_admin_page($user,
$pass){
    $sql = "SELECT * FROM users"
        . " WHERE username = " . $user .
        " AND password = MD5(" . $pass .
        ")";
    echo $sql;
    return $sql;
}
>

```

2. Data Transaksi.*php*

```

<?php
//session_start();
if
(isset($_SESSION['apriori_toko_id']))
{
    header("location:index.php?menu=for
bidden");
}
include_once "database.php";
include_once "fungsi.php";
include_once
"import/excel_reader2.php";
?>
<section class="page_head">
    <div class="container">
        <div class="row">
            <div class="col-lg-12 col-md-12
col-sm-12">
                <div class="page_title">
                    <h2>Masukkan
Dataset</h2>
                </div>
            </div>
        </div>
    </div>
</section>
<?php
//object database class

```

```

$db_object = new database();

$pesan_error = $pesan_success = "";

if(isset($_GET['pesan_error'])){
    $pesan_error = $_GET['pesan_error'];
}
if(isset($_GET['pesan_success'])){
    $pesan_success =
    $_GET['pesan_success'];
}
if(isset($_POST['submit'])){
    // if(!$input_error){
        $data = new
        Spreadsheet_Excel_Reader($_FILES['fil
        e_data_transaksi']['tmp_name']);
        $baris = $data-
        >rowcount($sheet_index=0);
        $column = $data-
        >colcount($sheet_index=0);
        //import data excel dari baris kedua,
        karena baris pertama adalah nama kolom
        // $temp_date = $temp_produk =
        "";
        for ($i=2; $i<=$baris; $i++) {
            for ($c=1; $c<=$column; $c++){
                $value[$c] = $data->val($i,
                $c);
            }
            // if($i==2){
            //     $temp_produk .= $value[3];
            // }
            // else{
            //     if($temp_date ==
            $value[1]){
                //     $temp_produk .=
            ",$value[3];
            //     }
            //     else{
                $table = "transaksi";
                // $produkIn =
            get_produk_to_in($temp_produk);
                $temp_date =
            format_date($value[1]);
                $produkIn = $value[2];

                //mencegah ada jarak spasi
                $produkIn = str_replace("
                ,", "", $produkIn);
                $produkIn =
            str_replace(" ", "", $produkIn);
                $produkIn =
            str_replace(" ", "", $produkIn);

                $produkIn =
            str_replace(" ", "", $produkIn);
                $produkIn = str_replace("
                ,", "", $produkIn);
                $produkIn = str_replace("
                ,", "", $produkIn);
                $produkIn =
            str_replace(" ", "", $produkIn);
                $field_value =
            array("transaction_date"=>($temp_date)
            ,
            "produk"=>$produkIn);
                $query = $db_object-
            >insert_record($table, $field_value);
                // INSERT INTO transaksi
            (transaction_date, produk)
            // VALUES
            // ('2016-06-01', 'nipple
            pigeon L'),
            // ('2016-06-01', 'nipple
            ninio'),
            // ('2016-06-01', 'mamamia
            L36'),
            // ('2016-06-01', 'sweety FP
            XL34')
                $sql = "INSERT INTO
            transaksi (transaction_date, produk)
            VALUES ";
                $value_in = array();
                //foreach ($item1 as $key
            => $isi) {
                    // $value_in[] =
            "('$temp_date', '$isi)";
                //}
                // $value_to_sql_in =
            implode(",", $value_in);
                // $sql .= $value_to_sql_in;
                $sql .= " ('$temp_date',
            '$produkIn)";
                $db_object-
            >db_query($sql);
                // $temp_produk =
            $value[3];
            // }
            // }
            // $temp_date =
            $value[1];
        }
    }
}
?>

```

```

                                <script>
location.replace("?menu=data_transaksi
&pesan_success=Data      berhasil
disimpan"); </script>
    <?php
    }
    if(isset($_POST['delete'])){
        $sql = "TRUNCATE transaksi";
        $db_object->db_query($sql);
        ?>
                                <script>
location.replace("?menu=data_transaksi
&pesan_success=Data transaksi berhasil
dihapus"); </script>
    <?php
    }
    if(isset($_POST['add'])){
        $sql = "TRUNCATE transaksi";
        $db_object->db_query($sql);
        ?>
                                <script>
location.replace("?menu=data_transaksi
1&pesan_success=Data      transaksi
berhasil dihapus"); </script>
    <?php
    }
    $sql = "SELECT
        *      FROM
        transaksi";
    $query=$db_object->db_query($sql);
    $jumlah=$db_object-
    >db_num_rows($query);
    ?>
    <div class="super_sub_content">
        <div class="container">
            <div class="row">
                <!--UPLOAD EXCEL FORM-->
                    <form method="post"
enctype="multipart/form-data"
action="">
                        <div class="form-group">
                            <div class="input-group">
                                <label>Import data dari
excel          sesuai          <a
href="DATABASE/Catatan.txt">FORM
AT</a></label>
                                    <input
name="file_data_transaksi" type="file"
class="form-control">
                                        </div>
                                    </div>
                                <div class="form-group">
                                    <input name="submit"
type="submit" value="Import Data"
class="btn btn-success">
                                        <button name="delete"
type="submit" class="btn btn-danger" >
                                            Hapus Semua
                                        </button>
                                        <button name="add"
type="add" class="btn btn-success" >
                                            Tambah Data
                                        </button>
                                    </div>
                                <!-- <div class="form-group">
                                    <button name="delete"
type="submit" class="btn btn-danger" >
                                        Hapus Semua
                                    </button>
                                </div>
                                <div class="form-group">
                                    <button name="add"
type="add" class="btn btn-success" >
                                        Tambah Data
                                    </button>
                                </div> -->
                            </form>
                            <?php
                            if (!empty($pesan_error)) {
                                display_error($pesan_error);
                            }
                            if (!empty($pesan_success)) {
                                display_success($pesan_succe
ss);
                            }
                                echo "Jumlah data:
".$jumlah."<br>";
                                if($jumlah==0){
                                    echo "Data kosong...";
                                }
                                else{
                                    ?>
                                        <table class='table table-
bordered table-striped table-hover'>
                                            <tr>
                                                <th>No</th>
                                                <th>Tanggal</th>
                                                <th>Produk</th>
                                            </tr>
                                        </table>
                                        <?php
                                        $no=1;
                                        while($row=$db_object-
                                        >db_fetch_array($query)){
                                            echo "<tr>";
                                        echo

```

```

"<td>".$no."</td>";
                                echo
"<td>".$row['transaction_date']."</td>";
                                echo
"<td>".$row['produk']."</td>";
                                echo "</tr>";
                                $no++;
                                }
                                ?>
                                </table>
                                <?php
                                }
                                ?>
                                </div>
                                </div>
                                </div>

<?php
function get_produk_to_in($produk){
    $ex = explode(",", $produk);
    //$temp = "";
    for ($i=0; $i < count($ex); $i++) {

        $jml_key = array_keys($ex,
$ex[$i]);
        if(count($jml_key)>1){
            unset($ex[$i]);
        }

        //$temp = $ex[$i];
    }
    return implode(",", $ex);
}
>
3. Database.php
<?php
/
    Class Configuration Database
/
class database {
    private $servername;
    private $user_db;
    private $password_db;
    private $database;
    private $koneksi;
/
    fungsi konstruktor awal dan koneksi
ke database;
    set variable class $this->conn;
/
    function database() {
        $this->load_conf_db();
        return $this->connect_db();
    }
}

function load_conf_db() {
    $path = dirname(__FILE__) .
'/koneksi.php';
    if (file_exists($path)) {
        $conf = include $path;
        $this->servername =
@$conf['host'];
        $this->database =
@$conf['dbname'];
        $this->user_db =
@$conf['username'];
        $this->password_db =
@$conf['password'];
    }
/
    connection database
    @return type
/
    public function connect_db() {
        $this->koneksi =
mysqli_connect($this->servername,
$this->user_db, $this->password_db,
$this->database);
        return $this->koneksi;
    }
/
    execute query mysql_query
    @param string $sql
    @return type
/
    function db_query($sql) {
        $conn = $this->koneksi;
        return mysqli_query($conn, $sql);
    }
/
    mysql_error
    @return type
/
    function db_error($result) {
        $conn = $this->koneksi;
        return mysqli_error($conn);
    }
/**
 * mysql_fetch_array
 * @param type $result
 * @return type
 */
function db_fetch_array($result) {

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        return mysqli_fetch_array($result);
    }

    /**
     * mysql_num_rows
     * @param type $result
     * @return type
     */
    function db_num_rows($result) {
        return mysqli_num_rows($result);
    }

    /**
     * mysql_insert_id
     * @return type
     */
    function db_insert_id() {
        $conn = $this->koneksi;
        return mysqli_insert_id($conn);
    }

    /**
     * Insert Data within table by
     * accepting TableName and Table column
     * => Data as associative array
     *     contoh      $val_cols      =
     array("Name"=>'ido',"Age"=>23);
     * @param string $table
     * @param array $val_cols
     * @return type hasil query
     (db_query)
     */
    function insert_record($table, array
    $val_cols) {
        $field = implode("`", `",
    array_keys($val_cols));
        $i = 0;
        foreach ($val_cols as $key =>
    $value) {
            $StValue[$i] = "" . $value . "";
            $i++;
        }
        $StValues = implode(", ",
    $StValue);

        $sql = "INSERT INTO $table
    (`$field`) VALUES ($StValues)";
        $result = $this->
    db_query($sql);
        return $result;
    }

    /
    Delete data form table; Accepting
    Table Name and Keys=>Values as
    associative array
        contoh      $val_cols      =
    array("id"=>4,"Name"=>'ido');
        @param string $table
        @param array $val_cols where
    condition implode by AND
        @return type hasil query (db_query)
    /
    function delete_record($table, array
    $val_cols) {
        //Append each element of val_cols
    associative array
        $i = 0;
        foreach ($val_cols as $key =>
    $value) {
            $exp[$i] = $key . " = " . $value .
    """;
            $i++;
        }
        $Stexp = implode(" AND ", $exp);
        $sql = "DELETE FROM $table
    WHERE $Stexp ";
        return $this->db_query($sql);
    }
    /
    Update data within table; Accepting
    Table Name and Keys=>Values as
    associative array
        contoh      $set_val_cols      =
    array("Name"=>'Ido',"Nilai"=>98.9);
        contoh      $cod_val_cols      =
    array("id"=>'23');
        @param type $table
        @param array $set_val_cols set
    update
        @param array $cod_val_cols where
    condition implode by AND
        @return type
    /
    function update_record($table, array
    $set_val_cols, array $cod_val_cols) {
        //append set_val_cols associative
    array elements
        $i = 0;
        foreach ($set_val_cols as $key =>
    $value) {
            $set[$i] = $key . " = " . $value .
    """;
            $i++;
        }
    }

```

```

    $Stset = implode(" ", $set);
    //append cod_val_cols associative
    array elements
    $i = 0;
    foreach ($cod_val_cols as $key =>
    $value) {
        $cod[$i] = $key . " = " . $value .
        """;
        $i++;
    }
    $Stcod = implode(" AND ", $cod);

    $sql = "UPDATE $table SET
    $Stset WHERE $Stcod";

    return $this->db_query($sql);
}
/

menghitung jumlah data (count)
@param type $table
@param type $field
@param type $where default=null,
diisi dengan kolom dan isi nya contoh
warna='blue'
@return int hasil count
(db_fetch_array)
/
function count_data($table, $field,
$where = null) {
    $sql = "SELECT COUNT($field)
    FROM $table ";
    if ($where != null || $where != "") {
        $sql .= " WHERE $where ";
    }

    $result = $this->db_query($sql);
    return $row = $this-
    >db_fetch_array($result);
}
/

ambil data table semua kolom return
bisa db_query/db_fetch_array
bisa di limit
@param type $table
@param type $where default=null
@param type $fetch default=false
@param type $limit default=false
@param type $limit_posisi
default=0
@param type $limit_batas default=0
@param type $sort default="", order
by.
@return fetch/db_query

/
function
display_table_all_column($table,
$where = null, $fetch = false, $limit =
false, $limit_posisi = 0, $limit_batas =
0, $sort = "") {
    $sql = "SELECT * FROM $table ";
    if ($where != null || $where != "") {
        $sql .= " WHERE $where";
    }
    if (!empty($sort)) {
        $sql .= " ORDER BY " . $sort;
    }

    if ($limit) {
        $sql .= " LIMIT $limit_posisi ,
    $limit_batas ";
    }
    if ($fetch) {
        $result = $this->db_query($sql);
        return $row = $this-
        >db_fetch_array($result);
    } else {
        return $result = $this-
        >db_query($sql);
    }
}
/

mencari sesuatu dalam sebuah table
@param string $table
@param array string $find_column
default = array()
@param string $where default=""
@return array db_fetch_array
/
function find_in_table($table,
$find_column = array(), $where = "") {
    $sql = "SELECT ";
    $column = "";
    if (!is_array($find_column)) {
        $column = $find_column;
    } else {
        $column = implode(",",
    $find_column);
    }
    $sql .= $column . " FROM " .
    $table . " " . $where;
    $result = $this->db_query($sql);
    $rows = $this-
    >db_fetch_array($result);
    return $rows;
}
/

```

```

cek value data pada suatu table
@param string $table
@param string $field
@param string $value
@return boolean true jika ada , false
jika tidak ada
/
function cek_data_is_in_table($table,
$field, $value) {
    $sql = "SELECT COUNT(" . $field
    . ") FROM " . $table . " WHERE " .
    $field . " = " . $value . """;
    $result = $this->db_query($sql);
    $num = $this->db_fetch_array($result);
    if ($num[0] > 0) {
        return true;
    } else {
        return false;
    }
}
/
ambil data login user
@param type $id_login
@return type
/
function get_login_by_id($id_login){
    $sql = "SELECT * FROM login
WHERE id_login = ".$id_login;
    $result = $this->db_query($sql);
    $row = $this->db_fetch_array($result);
    return $row;
}
>
4. Display Mining.php
<?php
function
display_process_hasil_mining($db_obje
ct, $id_process) {
// >
<!-- <strong>Itemset 1:</strong>
<table class = 'table table-bordered
table-striped table-hover'>
<tr>
<th>No</th>
<th>Item</th>
<th>Jumlah</th>
<th>Support</th>
<th></th>
</tr>-->
<?php
// $sql1 = "SELECT * FROM itemset1
"
// . " WHERE id_process =
".$id_process
// . " ORDER BY lolos DESC";
// $query1 = $db_object-
>db_query($sql1);
// $no = 1;
// while ($row1 = $db_object-
>db_fetch_array($query1)) {
// echo "<tr>";
// echo "<td>". $no . "</td>";
// echo "<td>" . $row1['atribut'] .
"</td>";
// echo "<td>" . $row1['jumlah'] .
"</td>";
// echo "<td>" . $row1['support'] .
"</td>";
// echo "<td>" . ($row1['lolos'] == 1
? "Lolos" : "Tidak Lolos") . "</td>";
// echo "</tr>";
// $no++;
// }
// ?>
<!--</table>-->
<!-- <strong>Itemset 2:</strong>
<table class='table table-bordered
table-striped table-hover'>
<tr>
<th>No</th>
<th>Item 1</th>
<th>Item 2</th>
<th>Jumlah</th>
<th>Support</th>
<th></th>
</tr>-->
<?php
// $sql1 = "SELECT * FROM
itemset2 "
// . " WHERE id_process =
".$id_process
// . " ORDER BY lolos
DESC";
// $query1 = $db_object-
>db_query($sql1);
// $no = 1;
// while ($row1 = $db_object-
>db_fetch_array($query1)) {
// echo "<tr>";
// echo "<td>". $no . "</td>";
// echo "<td>" . $row1['atribut1'] .
"</td>";
// echo "<td>" . $row1['atribut2'] .

```



```

"</td>";
//      echo "<td>" . $row1['jumlah'] .
"</td>";
//      echo "<td>" . $row1['support'] .
"</td>";
//      echo "<td>" . ($row1['lolos'] ==
1 ? "Lolos" : "Tidak Lolos") . "</td>";
//      echo "</tr>";
//      $no++;
//      }
//      ?>
<!-- </table>

<strong>Itemset 3:</strong>
<table class='table table-bordered
table-striped table-hover'>
  <tr>
    <th>No</th>
    <th>Item 1</th>
    <th>Item 2</th>
    <th>Item 3</th>
    <th>Jumlah</th>
    <th>Support</th>
    <th></th>
  </tr>-->
  <?php
//      $sql1 = "SELECT * FROM
itemset3 "
//      . " WHERE id_process =
".$sid_process
//      . " ORDER BY lolos
DESC";
//      $query1 = $db_object-
>db_query($sql1);
//      $no = 1;
//      while ($row1 = $db_object-
>db_fetch_array($query1)) {
//      echo "<tr>";
//      echo "<td>" . $no . "</td>";
//      echo "<td>" . $row1['atribut1'] .
"</td>";
//      echo "<td>" . $row1['atribut2'] .
"</td>";
//      echo "<td>" . $row1['atribut3'] .
"</td>";
//      echo "<td>" . $row1['jumlah'] .
"</td>";
//      echo "<td>" . $row1['support'] .
"</td>";
//      echo "<td>" . ($row1['lolos'] ==
1 ? "Lolos" : "Tidak Lolos") . "</td>";
//      echo "</tr>";
//      $no++;
//      }
//      ?>
<!-- </table>

}
?>
<!--</table>-->

<?php
$sql1 = "SELECT * FROM
confidence "
. " WHERE id_process =
".$sid_process
. " AND from_itemset=3 "
; //. " ORDER BY lolos
DESC";
$query1 = $db_object-
>db_query($sql1);
?>
Confidence dari itemset 3
<table class='table table-bordered
table-striped table-hover'>
  <tr>
    <th>No</th>
    <th>X => Y</th>
    <th>Support X U Y</th>
    <th>Support X </th>
    <th>Confidence</th>
    <th>Keterangan</th>
  </tr>
  <?php
    $no=1;
    $data_confidence = array();
    while($row=$db_object-
>db_fetch_array($query1)){
      echo "<tr>";
      echo "<td>". $no."</td>";
      echo
"<td>". $row['kombinasi1'] ."      =>
".$row['kombinasi2']."</td>";
      echo
"<td>". price_format($row['support_xUy
'])."</td>";
      echo
"<td>". price_format($row['support_x']).
"</td>";
      echo
"<td>". price_format($row['confidence'])
."</td>";
      $keterangan =
($row['confidence'] <=
$row['min_confidence'])? "Tidak
Lolos": "Lolos";
      echo
"<td>". $keterangan."</td>";
      echo "</tr>";
      $no++;
    }
  </?php
  </table>
-->

```

```

        if($row['lolos']==1){
            $data_confidence[] = $row;
        }
    }
    ?>
</table>

<?php
    $sql1 = "SELECT * FROM
confidence "
        . " WHERE id_process =
".$id_process
        . " AND from_itemset=2 "
        ;//. " ORDER BY lolos
DESC";
    $query1 = $db_object-
>db_query($sql1);
    ?>
    Confidence dari itemset 2
    <table class='table table-bordered
table-striped table-hover'>
        <tr>
            <th>No</th>
            <th>X => Y</th>
            <th>Support X U Y</th>
            <th>Support X </th>
            <th>Confidence</th>
            <th>Keterangan</th>
        </tr>
    <?php
        $no=1;
        //$data_confidence = array();
        while($row=$db_object-
>db_fetch_array($query1)){
            echo "<tr>";
            echo "<td>".$no."</td>";
            echo
            "<td>".$row['kombinasi1']." =>
            ".$row['kombinasi2']."</td>";
            echo
            "<td>".price_format($row['support_xUy
           '])."</td>";
            echo
            "<td>".price_format($row['support_x']).
            "</td>";
            echo
            "<td>".price_format($row['confidence'])
            . "</td>";
            $keterangan =
            ($row['confidence']
            $row['min_confidence'])?"Tidak
            Lolos":"Lolos";
            echo
            "<td>".$keterangan."</td>";
            $no++;
            if($row['lolos']==1){
                $data_confidence[] = $row;
            }
        }
    ?>
</table>

<strong>Rule Asosiasi yang
terbentuk:</strong>
<table class='table table-bordered
table-striped table-hover'>
    <tr>
        <th>No</th>
        <th>X => Y</th>
        <th>Confidence</th>
        <th>Nilai Uji lift</th>
        <th>Korelasi rule</th>
        <!-- <th></th> -->
    </tr>
    <?php
        $no = 1;
        //while ($row1 = $db_object-
>db_fetch_array($query1)) {
            foreach($data_confidence as $key
=> $val){
                // $kom1 = explode(" , ",
                $row1['kombinasi1']);
                // $jika = implode(" Dan ",
                $kom1);
                // $kom2 = explode(" , ",
                $row1['kombinasi2']);
                // $maka = implode(" Dan ",
                $kom2);
                echo "<tr>";
                echo "<td>". $no . "</td>";
                echo
                "<td>".
                $val['kombinasi1']." =>
                ".$val['kombinasi2']." </td>";
                echo
                "<td>".
                price_format($val['confidence'])
                "</td>";
                echo
                "<td>".
                price_format($val['nilai_uji_lift'])
                "</td>";
                echo
                "<td>".
                ($val['korelasi_rule']). "</td>";
                //echo "<td>". ($val['lolos'] == 1
                ? "Lolos" : "Tidak Lolos"). "</td>";
            }
        }
    ?>

```

```

        echo "</tr>";
        $no++;
    }
    ?>
</table>

<?php
}
?>

```

5. Forbidden.php

```

<div class="content-wrapper">
<div class="inner-container container">
<div class="row">
<div class="section-header col-md-12">
<h2>403 - Forbidden Error !</h2>
</div> <!-- /.section-header -->
</div> <!-- /.row -->
<div class="row">
<div class="col-md-12">
<div class="box-content">
<div class="text-center error-page">
<h1>403</h1>
<span>Page cannot be access.</span>
<!-- <p>Please try Navigation or Search
to find what you are looking for!</p> --
>
<p><a href="index.php">&larr; Go
back Home</a></p>
</div> <!-- /.text-center -->
</div> <!-- /.box-content -->
</div> <!-- /.col-md-12 -->
</div> <!-- /.row -->
</div> <!-- /.inner-content -->
</div> <!-- /.content-wrapper -->

```

6. Fungsi.php

```

<?php
function can_access_menu($menu){
    if($_SESSION['apriori_toko_level']=
=2 & ($menu=='hasil_rule' ||
$menu=='view_rule')){
        return true;
    }
    if($_SESSION['apriori_toko_level']=
=1){
        return true;
    }
    return false;
}
//START
USERS=====
=====
=====

```

```

/**
 * combobox list users dengan text
didepannya (for input form)
 * @param string $label default=""
 * @param string $name default=""
 * @param string $value default=""
 * @param boolean $required
default=false
 * @param boolean $all default=false
 * @param string $text_all default='- '
tulisan dipilihan all
 * @param string $where default=""
kondisi query, tuisan where sudah ada
tinggal tambahkan sendiri...
 * @param string $params default=""
 */
function text_with_list_users($label="",
$name="", $value="", $required=false,
$all=false, $text_all='-',$where="",
$params=")
{
// start_row();
// start_column("width='10%'");
label($label);
// end_column();
// start_column();
list_users($name, $value,
$required, $all, $text_all, $where,
$params);
// end_column();
// end_row();
}

/**
 * data list users (from db: users)
 * @param string $name
 * @param string $selected_id default=""
 * @param boolean $required
default=false
 * @param boolean $all default=false
 * @param string $text_all default='- '
tulisan dipilihan all
 * @param string $where default=""
kondisi query, tuisan where sudah ada
tinggal tambahkan sendiri...
 * @param string $params default=""
 */
function list_users($name,
$selected_id="", $required=false,
$all=false, $text_all='-',$where="",
$params="){
    $db_obj = new database();
    $table = TB_PREF."users";

```



```

=====
function list_periode($name,
$selected_id=", $required=false,
$all=false, $text_all='-', $where=",
$params="){
    $db_obj = new database();

    $table = "periode";
    $query = $db_obj-
>display_table_all_column($table,
$where, false, false, 0, 0, 'id_periode');
    echo "<select name='$name' ";
    if($required) echo "required='required'";
    echo " class='form-control' ".$params."
>";
    //pilihan semua / kosong
    if($all){
        echo "<option value="> $text_all
</option>";
    }

    //loop data
    while($myrow = $db_obj-
>db_fetch_array($query)){
        echo "<option
value=".$myrow['id_periode']."" ";
        if($selected_id==$myrow['id_periode'])
        echo "selected='selected'";
        echo ">".$myrow['semester']." -
".$myrow['tahun']."</option>";
    }
    echo "</select>";
}

function list_mata_kuliah($name,
$selected_id=", $required=false,
$all=false, $text_all='-', $where=",
$params="){
    $db_obj = new database();

    $table = "mata_kuliah";
    $query = $db_obj-
>display_table_all_column($table,
$where, false, false, 0, 0, 'id_mk');
    echo "<select name='$name' ";
    if($required) echo "required='required'";
    echo " class='form-control' ".$params."
>";
    //pilihan semua / kosong
    if($all){
        echo "<option value="> $text_all
</option>";
    }

    //loop data
    while($myrow = $db_obj-
>db_fetch_array($query)){
        echo "<option
value=".$myrow['id_dosen']."" ";
        if($selected_id==$myrow['id_dosen'])
        echo "selected='selected'";
        echo ">".$myrow['nama']."</option>";
    }
    echo "</select>";
}

function list_bulan($selected_id){
    echo "<select name='bulan'
class='err'>";
    echo " <option value=">--Bulan--
</option>";
    echo " <option value='01' ";
}

```

```

if($selected_id=='01')          echo
"selected='selected'";          echo
">Januari</option>";
    echo " <option value='02' ";
if($selected_id=='02')          echo
"selected='selected'";          echo
">Februari</option>";
    echo " <option value='03' ";
if($selected_id=='03')          echo
"selected='selected'";          echo
">Maret</option>";
    echo " <option value='04' ";
if($selected_id=='04')          echo
"selected='selected'";          echo
">April</option>";
    echo " <option value='05' ";
if($selected_id=='05')          echo
"selected='selected'";          echo
">Mei</option>";
    echo " <option value='06' ";
if($selected_id=='06')          echo
"selected='selected'";          echo
">Juni</option>";
    echo " <option value='07' ";
if($selected_id=='07')          echo
"selected='selected'";          echo
">Juli</option>";
    echo " <option value='08' ";
if($selected_id=='08')          echo
"selected='selected'";          echo
">Agustus</option>";
    echo " <option value='09' ";
if($selected_id=='09')          echo
"selected='selected'";          echo
">September</option>";
    echo " <option value='10' ";
if($selected_id=='10')          echo
"selected='selected'";          echo
">Oktober</option>";
    echo " <option value='11' ";
if($selected_id=='11')          echo
"selected='selected'";          echo
">November</option>";
    echo " <option value='12' ";
if($selected_id=='12')          echo
"selected='selected'";          echo
">Desember</option>";
    echo "</select>";
}

function list_numbers($name,
$selected_id="", $required=false,
$all=false, $text_all='-', $count=5,
$params=""){
    echo "<select name='$name' ";
    echo ($required==true)?"required='required'":
    "";
    echo "$params style='width:
100%;>";
    //pilihan semua / kosong
    if($all){
        echo "<option value='> $text_all
</option>";
    }

    //loop data
    $no = 1;
    while($no <= $count){
        echo "<option value='".$no."' ";
        echo ($selected_id==$no)?"selected='selected
':""";
        echo ">".$no."</option>";
        $no++;
    }
    echo "</select>";
}

//END LIST-LIST/COMBOBOX
//-----
//-----
/**
 * alert popup javascript
 * @param string $msg pesan
 */
function phpAlert($msg){
    echo '<script
type="text/javascript">alert('' . $msg .
'')</script>';
}

/**
 * notifikasi error (merah)
 * @param string $msg pesan
 */
function display_error($msg){
    echo "<div class='alert alert-danger
alert-dismissible'>

        <h4><i class='icon fa fa fa-
ban'></i> Error! </h4>
        ".$msg."
    </div>";
}

```

```

/**
 * notifikasi warning (kuning)
 * @param string $msg pesan
 */
function display_warning($msg){
    echo "<div class='alert alert-warning
alert-dismissible'>
        <button type='button'
class='close' data-dismiss='alert' aria-
hidden='true'>&times;</button>
        <h4><i class='icon fa fa-
warning'></i> Warning! </h4>
        ".$msg."
    </div>";
}

/**
 * notifikasi informasi (biru)
 * @param string $msg pesan
 */
function display_information($msg){
    echo "<div class='alert alert-info
alert-dismissible'>
        <button type='button'
class='close' data-dismiss='alert' aria-
hidden='true'>&times;</button>
        <h4><i class='icon fa fa-
info'></i> Information </h4>
        ".$msg."
    </div>";
}

/**
 * notifikasi sukses (hijau)
 * @param string $msg pesan
 */
function display_success($msg){
    echo "<div class='alert alert-success
alert-dismissible'>
        <button type='button'
class='close' data-dismiss='alert' aria-
hidden='true'>&times;</button>
        <h4><i class='icon fa fa-
check'></i> Success. </h4>
        ".$msg."
    </div>";
}

/**
 * enter br with looping
 * @param int $a default=1
 */
function br($a=1){
    if($a>=1){
        $aa=0;
        while($aa<=$a){
            echo "<br>";
            $aa++;
        }
    }
}

/**
 * spasi &nbsp; with looping
 * @param int $a default=1
 */
function space($a=1){
    if($a>=1){
        $aa=0;
        while($aa<=$a){
            echo "&nbsp;";
            $aa++;
        }
    }
}

/**
 * start div
 * @param string $params default=""
 */
function start_div($params=""){
    echo "<div $params>";
}

/**
 * end div
 */
function end_div(){
    echo "</div>";
}

/**
 * start form
 * @param string $params default=""
 */
function start_form($params=""){
    echo "<form action="" method='post'
$params>";
}

/**
 * end form
 */
function end_form(){
    echo "</form>";
}

```

```

}

/**
 * table start
 * @param string $params default=""
 */
function start_table($params=""){
    echo "<table $params>";
}

/**
 * end table
 */
function end_table(){
    echo "</table>";
}

/**
 * echo tr $params;
 * @param string $params default=""
 */
function start_row($params=""){
    echo "<tr $params>";
}

/**
 * echo /tr
 */
function end_row(){
    echo "</tr>";
}

/**
 * echo td $params;
 * @param string $params default=""
 */
function start_column($params=""){
    echo "<td $params>";
}

/**
 * echo /td
 */
function end_column(){
    echo "</td>";
}

/**
 * label text
 * @param string $label default=""
 * @param type $params parameter
 * tambahan default=""
 */
function label($label="", $params=""){
    echo "<label for='name' $params
>".$label;//.<!--          <span
class="red">(required)</span>      --
></label>"
    echo "</label>";
}

/**
 * input text area
 * @param string $name
 * @param string $value
 * @param boolean $required
 * @param string $params default=""
 * @param boolean $texteditor text area
 * dengan tinymce default=false
 */
function input_text_area($name,$value,
$required=false,          $params="",
$texteditor=false){
    $tinymce = "mceNoEditor";
    if($texteditor){
        $tinymce = "mceEditor";
    }
    if(!$required){
        echo "<textarea name='$name'
rows='10'                cols='80'
$params>".$value."</textarea>";
    }
    else{
        echo "<textarea name='$name'
required='required' class='form-control
$tinymce'
$params>".$value."</textarea>";
    }
}

/**
 * input text area with label
 * @param type $label
 * @param type $name
 * @param type $value
 * @param type $required
 * @param type $params
 * @param boolean $texteditor textarea
 * dengan tinymce default=false
 */
function text_area($label="", $name="",
$value=null,          $required=false,
$params="", $texteditor=false)
{
    //template bootstrap tanpa row and
    column

```



```

// start_row();
// start_column("width='10%'");
// label($label);
// end_column();
// start_column();
// input_text_area($name, $value,
$required, $params, $texteditor);
// end_column();
// end_row();
}

/**
 * password field one row (for form
input)
 * @param string $label default=""
 * @param string $name default=""
 * @param string $value default=""
 * @param boolean $required
default=false
 * @param string $params default=""
 */
function password_field($label="",
$name="", $value="", $required=false,
$params="")
{
//template bootstrap tanpa row and
column
// start_row();
// start_column("width='10%'");
// label($label);
// end_column();
// start_column();
// input_password_text($name,
$value, $required, $params);
// end_column();
// end_row();
}

/**
 * text field one row (for form input)
 * @param string $label default=""
 * @param string $name default=""
 * @param string $value default=""
 * @param boolean $required
default=false
 * @param string $params default=""
 */
function text_field($label="", $name="",
$value="", $required=false, $params="")
{
//template bootstrap tanpa row and
column
// start_row();
// start_column("width='10%'");
// label($label);
// end_column();
// start_column();
// input_free_text($name, $value,
$required, $params);
// end_column();
// end_row();
}

/**
 * text input tipe file
 * @param type $label
 * @param type $name
 * @param type $required
 * @param type $params
 */
function text_input_file($label="",
$name="", $required=false, $params=""){
label($label);
input_file($name, $required, $params
);
}

/**
 * amount field one row (for form input)
harga
 * @param string $label default=""
 * @param string $name default=""
 * @param string $value default=""
 * @param boolean $required
default=false
 * @param string $params default=""
 */
function amount_field($label="",
$name="", $value="", $required=false,
$params="")
{
//template bootstrap tanpa row and
column
// start_row();
// start_column("width='10%'");
// label($label);
// end_column();
// start_column();
// input_amount_text($name,
$value, $required, $params);
// end_column();
// end_row();
}

/**
 * text label one row (for form input

```

```

with input hidden type)
* @param string $label label text
tulisan
* @param string $name name hidden
form
* @param string $id_value value
hidden
* @param string $value nilai dari label
(akan muncul disamping label)
* @param string $params parameter
tambahan di hidden form
*/
function
text_label_with_hidden($label=",
$name=", $id_value=", $value=null,
$params=")
{
    //template bootstrap tanpa row and
column
// start_row();
// start_column("width='10%'");
    label($label);
// end_column();
// start_column();
    space(2);
    echo $value;
        input_hidden($name,
$id_value, $params);
// end_column();
// end_row();
}

/**
* text table one cell (for table display)
**/
function text_cell($text=", $params=")
{
    start_column($params);
    echo $text;
    end_column();
}

/**
* space kolom table one cell (for table
display)
**/
function space_cell($params=")
{
    start_column($params);
    echo "&nbsp;";
    end_column();
}

/**
* head table parameter harus diisi array
*
**/
function head_table($head,


```

```

        edit_link($table, $id,
$parameter_key, $path_to_root,
$parent_menu);
// echo " | ";
        delete_link($table, $id,
$parameter_key, $path_to_root,
$parent_menu);
        end_column();
    }

/**
 * edit link
 * @param type $table
 * @param type $id
 * @param type $parameter_key
 * @param type $path_to_root
 * @param type $parent_menu
headmenu parameter get
 */
function edit_link($table, $id,
$parameter_key, $path_to_root,
$parent_menu){
        echo "<a
href='?'. $parameter_key. 'kd_tabel=$table&headmenu=$parent_menu&update=$id' class='btn bg-olive btn-sm margin' data-toggle='tooltip' title='Edit' >"
        . "<i class='glyphicon glyphicon-edit' ></i>"
        . "</a>";
    }

/**
 * delete link
 * @param type $table
 * @param type $id
 * @param type $parameter_key
 * @param type $path_to_root
 * @param type $parent_menu
headmenu parameter get
 * @param type $params tambahan
parameter get
 */
function delete_link($table, $id,
$parameter_key, $path_to_root,
$parent_menu, $params=""){
    $prm="";
    if(!empty($params)){
        $prm = "&". $params;
    }
        echo "<a
href='?'. $parameter_key. 'kd_tabel=$table&headmenu=$parent_menu&delete="
$prm. "'
        onclick='\return
confirm('Apakah anda yakin?')\"
class='btn btn-danger btn-sm' data-
toggle='tooltip' title='Delete'>"
        . "<i class='glyphicon glyphicon-
remove-sign' ></i>"
        . "</a> ";
    }

/**
 * kolom link text
 * @param type $link
 * @param type $label
 * @param type $params
 */
function colom_link_text($link, $label,
$params=""){
    start_column("align='center' ");
    link_text($link, $label, $params);
    end_column();
}

/**
 * input type password
 * @param type $name
 * @param type $value
 * @param type $required
 * @param type $params
 */
function
input_password_text($name,$value,
$required=true, $params=""){
    if(!$required){
        echo "<input
type='password' name='$name'
value='$value' class='form-
control' $params/>";
    }
    else{
        echo "<input type='password'
name='$name'
value='$value'
required='required' class='form-control'
$params/>";
    }
}

/**
 * input type text
 * @param type $name
 * @param type $value
 * @param type $required

```

```

* @param type $params
*/
function input_free_text($name,$value,
$required=true, $params=""){
    if(!$required){
        echo "<input
type='text' name='$name'
value='$value' class='form-
control' $params/>";
    }
    else{
        echo "<input type='text'
name='$name'
value='$value'
required='required' class='form-control'
$params/>";
    }
}
/**
* input tipe file
* @param type $name
* @param type $required
* @param type $params
*/
function input_file($name,
$required=false, $params=""){
    if(!$required){
        echo "<input type='file'
name='$name' $params>";
    }
    else{
        echo "<input type='file'
name='$name' required='required'
$params>";
    }
}
/**
* input type amount (harga)
* @param type $name
* @param type $value
* @param type $required
* @param type $params
*/
function input_amount_text($name,$value,
$required=true, $params="){
    $value = price_format($value);
    if(!$required){
        echo "<input
type='text' name='$name'
value='$value'
onkeyup=\"convertToPrice(this);\"
class='form-control' $params/>";
    }
    else{
        echo "<input type='text'
name='$name'
value='$value'
onkeyup=\"convertToPrice(this);\"
required='required' class='form-control'
$params/>";
    }
}
/**
* input type hidden
* @param type $name
* @param type $value
* @param type $params default = "
*/
function input_hidden($name, $value,
$params=""){
    echo "<input type='hidden' id='$name'
name='$name' value='$value'
$params/>";
}
/**
* input type date
* @param type $name
* @param type $value
* @param type $tittle
* @param type $id
*/
function input_date($name, $value,
$tittle="", $id='date-picker'){
    echo "<input type='text'
id='$id' name='$name' size='10'
maxlength='10'
value='$value' tittle ='$tittle'
/>";
}
/**
* submit button with reset button
* @param type $name
* @param type $value
*/
function submit_form_button($name,
$value){
    echo "<input type='submit'
name='$name' value='$value' >";
}

```

```

        echo    "<input    type='reset'
value='Reset'>";
    }

/**
 * submit button
 * @param type $name
 * @param type $value
 * @param type $params default=""
 */
function submit_button($name, $value,
$params=""){
    echo    "<button    name='$name'
value='$value'          $params
>$value</button>";
    // echo    "<input    type='submit'
name='$name' value='$value' >";
}

/**
 * link dengan popup new window open
 * @param type $label
 * @param type $link
 */
function    link_new_window($label,
$link){
    echo    "<a href='$link' target='_blank'
onclick=\"window.open(this.href);
return false;\"
onkeypress=\"window.open(this.href)
; return false;\">$label</a>";
}

/**
 * tulisan untuk link ke suatu halaman
 * @param type $link
 * @param type $label
 * @param type $params
 */
function    link_text($link,    $label,
$params="")
{
    echo    "<a href='$link' $params
/>$label</a>";
}

/**
 * format number 2 dibelakang koma
(number_format($value,2)
 * @param type $value
 * @return type
 */
function price_format($value){
        return number_format($value,2, ',',
');
    }

/**
 * cetak link
 */
function print_cetak(){
        echo    "<a
href=\"javascript:window.print()\">Ceta
k</a>";
    }

function format_date($date){
    $date_ex = explode("/", $date);
    return $date_ex[2]."-".$date_ex[1]."-
".$date_ex[0];
}

function format_date2($date){
    $date_ex = explode("-", $date);
    return
$date_ex[2]."/".$date_ex[1]."/".$date_ex
[0];
}

function format_date_db($date){
    $date_ex = explode("-", $date);
    return $date_ex[2]."-".$date_ex[1]."-
".$date_ex[0];
}

?>

7. Hasil Rule.php
<?php
//session_start();
if
(!isset($_SESSION['apriori_toko_id']))
{
    header("location:index.php?menu=for
bidden");
}
include_once "database.php";
include_once "fungsi.php";
include_once "mining.php";
?>
<section class="page_head">
    <div class="container">
        <div class="row">
            <div class="col-lg-12 col-md-12
col-sm-12">
                <div class="page_title">

```

```

                <h2>Hasil Rule</h2>
            </div>
        </div>
    </div>
</section>
<?php
//object database class
$db_object = new database();

$pesan_error = $pesan_success = "";
if(isset($_GET['pesan_error'])){

$pesan_error = $_GET['pesan_error'];
}
if(isset($_GET['pesan_success'])){
    $pesan_success =
    $_GET['pesan_success'];
}
$sql = "SELECT
*
FROM
    process_log ";
$query=$db_object->db_query($sql);
$jumlah=$db_object->db_num_rows($query);
?>
<div class="super_sub_content">
    <div class="container">
        <div class="row">
            <!--
                <form method="post"
                action="">
                    <div class="form-group">
                        <input name="submit"
                        type="submit" value="Proses"
                        class="btn btn-success">
                    </div>
                </form-->
            <?php
            if (!empty($pesan_error)) {
                display_error($pesan_error);
            }
            if (!empty($pesan_success)) {
                display_success($pesan_succe
                ss);
            }
            //echo "Jumlah data:
            ".$jumlah."<br>";
            if($jumlah==0){
                echo "Data kosong...";
            }
            else{
                ?>
                <table class='table table-
                bordered table-striped table-hover'>
                    <tr>
                        <th>No</th>
                        <th>Start Date</th>
                        <th>End Date</th>
                        <th>Min Support</th>
                        <th>Min Confidence</th>
                        <th></th>
                    </tr>
                    <?php
                        $no=1;
                        while($row=$db_object-
                        >db_fetch_array($query)){
                            //
                            if($no==1){
                                //
                                echo "Min support:
                                ".$row['min_support'];
                                //
                                echo "<br>";
                                //
                                echo "Min
                                confidence: ".$row['min_confidence'];
                                //
                                }
                                //
                                $kom1 = explode(" ,
                                ",$row['kombinasi1']);
                                //
                                $jika = implode(" Dan
                                ", $kom1);
                                //
                                $kom2 = explode(" ,
                                ",$row['kombinasi2']);
                                //
                                $maka = implode(" Dan
                                ", $kom2);
                                echo "<tr>";
                                echo
                                "<td>".$no."</td>";
                                echo
                                "<td>".$row['start_date']."</td>";
                                echo
                                "<td>".$row['end_date']."</td>";
                                echo
                                "<td>".$row['min_support']."</td>";
                                echo
                                "<td>".$row['min_confidence']."</td>";
                                $view = "<a
                                href='index.php?menu=view_rule&id_p
                                rocess=".$row['id']."'>Lihat Rule</a>";
                                echo
                                "<td>".$view."</td>";
                                //
                                echo "<td>Jika
                                ".$jika.", Maka ".$maka."</td>";
                                //
                                echo
                                "<td>".price_format($row['confidence'])
                                ."</td>";
                                echo "</tr>";
                                $no++;

```

```

    }
    ?>
  </table>
  <?php
  }
  ?>
</div>
</div>
</div>

```

8. Header.php

```

<?php
$menu = "";
if(isset($_GET['menu'])){
    $menu = $_GET['menu'];
}
>
<header class="site-header container-fluid">
    <div class="top-header">
    </div> <!-- /.top-header -->
    <div class="main-header">
        <div class="row">
            <div class="main-header-left col-md-3 col-sm-6 col-xs-8">
                <?php
                if (!isset($_GET['menu']))
                || $_GET['menu']=='home' ) {
                    //'', home
                    ?>
                    <a href="#" class="btn-left arrow-left fa fa-angle-left"></a>
                    <a href="#" class="btn-left arrow-right fa fa-angle-right"></a>
                    <?php
                    }
                    ?>

                </div> <!-- /.main-header-left -->
                <div class="menu-wrapper col-md-9 col-sm-6 col-xs-4">
                    <a href="#" class="toggle-menu visible-sm visible-xs"><i class="fa fa-bars"></i></a>
                    <ul class="sf-menu hidden-xs hidden-sm">
                        <li <?php echo ($menu=="||$menu=='home')?"class='active'":""; ?> ><a href="index.php">Home</a></li>

```

```

    <?php
    if
    (empty($_SESSION['apriori_toko_id']))
    {
        ?>
        <li><a href="login.php">Masuk</a></li>
        <?php
        }
        else{
            if($_SESSION['apriori_toko_level']==1)
            {
                ?>
                <li <?php echo ($menu=='data_transaksi')?"class='active'":""; ?> ><a href="index.php?menu=data_transaksi">Data Transaksi</a></li>
                <li <?php echo ($menu=='proses_apriori')?"class='active'":""; ?>><a href="index.php?menu=proses_apriori">Proses Apriori</a></li>
                <?php
                }
                ?>
                <li <?php echo ($menu=='hasil_rule')?"class='active'":""; ?>><a href="index.php?menu=hasil_rule">Hasil Rule</a></li>
                <li ><a href="logout.php">Keluar</a></li>
                <?php
                }
                ?>
            </ul>
        </div> <!-- /.menu-wrapper -->
    </div> <!-- /.row -->
</div> <!-- /.main-header -->
<div id="responsive-menu">
    <ul>
        <li class="active"><a href="index.php">Beranda</a></li>
        <?php
        if
        (empty($_SESSION['apriori_toko_id']))
        {
            ?>
            <li><a href="login.php">Login</a></li>

```

```

        <?php
        }
        else{
        ?>
        <li <?php echo
($menu=='data_transaksi')?"class='active'":"";
?><a
href="index.php?menu=data_transaksi"
>Data Transaksi</a></li>
        <li <?php echo
($menu=='proses_apriori')?"class='active'":"";
?><a
href="index.php?menu=proses_apriori"
>Proses Apriori</a></li>
        <li <?php echo
($menu=='hasil_rule')?"class='active'":"";
?><a
href="index.php?menu=hasil_rule">Has
il Rule</a></li>
        <li><a
href="logout.php">Keluar</a></li>
        <?php
        }
        ?>
    </ul>
</div>
</header> <!-- /.site-header -->

```

9. Home.php

```

<div class="swiper-container">
    <div class="swiper-wrapper">
        <div class="swiper-slide"
style="background-image:
url(images/parfum1.png);">
            <div class="overlay-s"></div>
            <div class="slider-caption">
                <div class="inner-content">
                    <h2>Data Mining
Algoritma Apriori</h2>
                    <p>Implementasi Data
Mining Rule Asosiasi Menggunakan
Algoritma Apriori dalam Penentuan
Pola Pembelian Produk Parfum yang
Terjual</p>
                </div> <!-- /.inner-content -->
            </div> <!-- /.slider-caption -->
        </div> <!-- /.swiper-slide -->
        <div class="swiper-slide"
style="background-image:
url(images/parfum2.png);">
            <div class="overlay-s"></div>
            <div class="slider-caption">

```

```

        <div class="inner-content">
            <h2>Data Mining
Algoritma Apriori</h2>
            <p>Implementasi Data
Mining Rule Asosiasi Menggunakan
Algoritma Apriori dalam Penentuan
Pola Pembelian Produk Parfum yang
Terjual</p>
        </div> <!-- /.inner-content -->
    </div> <!-- /.slider-caption -->
</div> <!-- /.swiper-slide -->

```

```

</div> <!-- /.swiper-wrapper -->
</div> <!-- /.swiper-container -->

```

10. Index.php

```

<?php
error_reporting(0);
session_start();
$menu = "";
if (isset($_GET['menu'])) {
    $menu = $_GET['menu'];
}
if (!file_exists($menu . ".php")) {
    $menu = 'not_found';
}
if (
    !isset($_SESSION['apriori_toko_id'])
    &&
    ($menu != '' & $menu != 'home' &
    $menu != 'tentang' & $menu !=
    'not_found' & $menu != 'forbidden')
) {
    header("location:login.php");
}
include_once 'fungsi.php';
//include 'koneksi.php';
?>
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js lt-ie9
lt-ie8 lt-ie7"> <![endif]-->
<!--[if IE 7]> <html class="no-js lt-ie9
lt-ie8"> <![endif]-->
<!--[if IE 8]> <html class="no-js lt-ie9">
<![endif]-->
<!--[if gt IE 8]><!-->
<html class="no-js">

<!--<![endif]-->
<head>
    <meta charset="utf-8">
    <title>Apriori - Pola Pembelian
Produk Parfum</title>
    <link href="images/icon/favicon.png"

```



```

rel="shortcut icon" />
  <meta          name="description"
content="">
  <meta          name="viewport"
content="width=device-width">
  <link          rel="stylesheet"
href="http://fonts.googleapis.com/css?fa
mily=Roboto+Slab:400,700,300,100">
  <link          rel="stylesheet"
href="http://fonts.googleapis.com/css?fa
mily=Roboto:400,400italic,300italic,300
,500,500italic,700,900">
  <!--
    Artcore          Template
http://www.templateo.com/preview/te
mplatemo_423_artcore
  -->
  <link          rel="stylesheet"
href="css/bootstrap.css">
  <link rel="stylesheet" href="css/font-
awesome.css">
  <link          rel="stylesheet"
href="css/animate.css">
  <link          rel="stylesheet"
href="css/templateo-misc.css">
  <link          rel="stylesheet"
href="css/templateo-style.css">
  <script src="js/vendor/modernizr-
2.6.1-respond-1.1.0.min.js"></script>
  <link          rel="stylesheet"
href="scripts/bootstrap/bootstrap.min.cs
s">
  <link          rel="stylesheet"
href="scripts/ionicons/css/ionicons.min.
css">
  <link          rel="stylesheet"
href="scripts/toast/jquery.toast.min.css"
>
  <!-- daterange picker -->
  <link          rel="stylesheet"
href="import/daterangepicker/daterange
picker-bs3.css">
</head>
<body>
  <!--[if lt IE 7]>
    <p class="chromeFrame">You
are using an outdated browser. <a
href="http://browsehappy.com/">Upgra
de your browser today</a> or <a
href="http://www.google.com/chromeFr
ame/?redirect=true">install Google
Chrome Frame</a> to better experience
this site.</p>
    <![endif]-->
    <section id="pageloader">
      <div class="loader-item fa fa-spin
colored-border"></div>
    </section> <!-- #pageloader -->

    <?php
include "header.php";

$menu = ""; //variable untuk
menampung menu
if (isset($_GET['menu'])) {
    $menu = $_GET['menu'];
}
if ($menu != "") {
    if (can_access_menu($menu)) {
        if (file_exists($menu . ".php")) {
            include $menu . '.php';
        } else {
            include "not_found.php";
        }
    } else {
        include "forbidden.php";
    }
} else {
    include "home.php";
}
?>
<script src="js/vendor/jquery-
1.11.0.min.js"></script>
<script>
    window.jQuery
document.write('<script
src="js/vendor/jquery-
1.11.0.min.js"></script>')
</script>
<script src="js/plugins.js"></script>
<script src="js/main.js"></script>
<!-- Preloader -->
<script type="text/javascript">
    <![CDATA[
        $(window).load(function() { //
        makes sure the whole site is loaded
            $('#loader-item').fadeOut(); // will
            first fade out the loading animation
            $('#pageloader').fadeOut('fast');
            // will fade out the white DIV that
            covers the website.
            $('body').css({
                'overflow-y': 'visible'
            });
        })
    </script>
</body>
</html>

```

```

</script>
<!-- jQuery 2.1.4 -->
<!--
src="import/jquery/jquery-
2.1.4.min.js"></script> -->
<!-- date-range-picker -->
<script
src="import/daterangepicker/moment-
cloud.min.js"></script>
<script
src="import/daterangepicker/daterangepi
cker.js"></script>

<!-- Page script -->
<script>
    $(function() {
        //Date range picker

        $('#reservation').daterangepicker({
            format: 'DD/MM/YYYY'
        });
        $('#daterange-
btn').daterangepicker({
            ranges: {
                'Today': [moment(),
moment()],
                'Yesterday':
[moment().subtract(1, 'days'),
moment().subtract(1, 'days')],
                'Last 7 Days':
[moment().subtract(6, 'days'),
moment()],
                'Last 30 Days':
[moment().subtract(29, 'days'),
moment()],
                'This Month':
[moment().startOf('month'),
moment().endOf('month')],
                'Last Month':
[moment().subtract(1, 'month').startOf('month'),
moment().subtract(1, 'month').endOf('month')]
            },
            startDate:
moment().subtract(29, 'days'),
            endDate: moment()
        },
        function(start, end) {
            $('#reportrange
span').html(start.format('MMMM D,
YYYY') + ' - ' + end.format('MMMM D,
YYYY'));
        }
    });
}
);
</script>
</body>
</html>

```

11. Koneksi.php

```

<?php
/
Configuration Database
/
return array(
    'host' => "localhost",
    'username' => "root",
    'password' => "",
    'dbname' => "dmaprioriv1",
    // 'port' => "", // sementara
    menggunakan port bawaan
);
?>

```

12. Login.php

```

<?php
session_start();
if ( isset($_SESSION['apriori_toko_id'])
) {
    header("location:index.php");
}
$login = 0;
if (isset($_GET['login'])) {
    $login = $_GET['login'];
}
if ($login == 1) {
    $komen = "Silahkan Login Ulang,
Cek username dan Password Anda!";
}
include_once "fungsi.php";
?>
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js lt-
ie9 lt-ie8 lt-ie7"> <![endif]-->
<!--[if IE 7]> <html class="no-js lt-
ie9 lt-ie8"> <![endif]-->
<!--[if IE 8]> <html class="no-js lt-
ie9"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-
js"> <!--<![endif]-->
<head>
<meta charset="utf-8">
<title>Login - Apriori toko</title>

```

```

<link
href="images/icon/favicon.png"
rel="shortcut icon" />
  <meta      name="description"
content="">
  <meta      name="viewport"
content="width=device-width">

  <link      rel="stylesheet"
href="http://fonts.googleapis.com/css?fa
mily=Roboto+Slab:400,700,300,100">
  <link      rel="stylesheet"
href="http://fonts.googleapis.com/css?fa
mily=Roboto:400,400italic,300italic,300
,500,500italic,700,900">
  <!--
  Artcore Template

  http://www.templatemo.com/pre
view/templatemo_423_artcore
  -->
  <link      rel="stylesheet"
href="css/bootstrap.css">
  <link      rel="stylesheet"
href="scripts/bootstrap/bootstrap.min.cs
s">
  <link      rel="stylesheet"
href="css/font-awesome.css">
  <link      rel="stylesheet"
href="css/animate.css">
  <link      rel="stylesheet"
href="css/templatemo-misc.css">
  <link      rel="stylesheet"
href="css/templatemo-style.css">
  <link      rel="stylesheet"
href="scripts/ionicons/css/ionicons.min.
css">
  <link      rel="stylesheet"
href="scripts/toast/jquery.toast.min.css"
>
  <script src="js/vendor/modernizr-
2.6.1-respond-1.1.0.min.js"></script>

</head>
<body>
  <!--[if lt IE 7]>
  <p class="chromeframe">You
are using an outdated browser. <a
href="http://browsehappy.com/">Upgra
de your browser today</a> or <a
href="http://www.google.com/chrome/fr
ame/?redirect=true">install Google
Chrome Frame</a> to better experience

```

```

this site.</p>
  <![endif]-->
  <section id="pageloader">
    <div class="loader-item fa fa-
spin colored-border"></div>
  </section> <!-- /#pageloader -->
  <?php
include "header.php";
?>
  <div class="content-wrapper">
    <div class="inner-container
container">
      <div class="row">
        <div class="section-header
col-md-12">
          <h2>Login Admin</h2>
          <!-- <span>Subtitle Goes
Here</span> -->
          </div> <!-- /.section-header
-->
        </div> <!-- /.row -->
        <div class="contact-form">
          <div class="box-content
col-md-12">
            <div class="row">
              <div class="col-md-
7">
                <p></p>
                <!-- <h3
class="contact-title">Send Us
Email</h3> -->
                <?php
if (isset($komen)) {
display_error("Login failed");
}
?>
              <div class="contact-
form-inner">
                <form
method="post" action="cek-login.php"
>
                  <p>
                    <label
for="username">Username:</label>
                    <input
name="username" type="text"
id="username">
                  </p>
                  <p>
                    <label
for="password">Password:</label>
                    <input

```

```

name="password"      type="password"      unset($_SESSION['apriori_toko_id']);
id="password">
                                </p>
                                <input
type="submit"        class="mainBtn"
id="submit" value="Masuk" />
                                </form>

                                </div>      <!--
./contact-form-inner -->
                                <!--      <div
id="message"></div> -->
                                </div> <!-- /.col-md-7
-->

                                </div> <!-- /.row -->
                                </div> <!-- /.box-content --
>
                                </div> <!-- /.contact-form -->
                                </div> <!-- /.inner-content -->
                                </div> <!-- /.content-wrapper -->

                                <script      src="js/vendor/jquery-
1.11.0.min.js"></script>
                                <script>window.jQuery      ||
document.write(<script
src="js/vendor/jquery-
1.11.0.min.js"></script>)</script>
                                <script
src="js/plugins.js"></script>
                                <script src="js/main.js"></script>
                                <!-- Preloader -->
                                <script type="text/javascript">
                                //<![CDATA[
                                $(window).load(function() { //
makes sure the whole site is loaded
                                $('.loader-item').fadeOut(); //
will first fade out the loading animation

                                $('#pageloader').delay(350).fadeOut('slo
w'); // will fade out the white DIV that
covers the website.
                                $('body').delay(350).css({'overflow-
y':'visible'});
                                })
                                //]>
                                </script>
                                </body>
</html>

13. Logout.php
<?php
    session_start();
                                unset($_SESSION['apriori_toko_id']);
                                unset($_SESSION['apriori_toko_userna
me']);
                                unset($_SESSION['apriori_toko_level'])
;
                                unset($_SESSION['apriori_toko_key']);
                                unset($_SESSION['apriori_toko_last_lo
gin']);
                                session_destroy();
                                header("location:index.php");
?>

14. Mining.php
<?php
/*
* Proses mining function
*/
function reset_temporary($db_object){
    $sql1 = "TRUNCATE itemset1";
    $db_object->db_query($sql1);

    $sql2 = "TRUNCATE itemset2";
    $db_object->db_query($sql2);

    $sql3 = "TRUNCATE itemset3";
    $db_object->db_query($sql3);

    $sql4 = "TRUNCATE confidence";
    $db_object->db_query($sql4);
}

function reset_hitungan($db_object,
$id_process){
    $condition =
array("id_process"=>$id_process);
    $db_object-
>delete_record("itemset1", $condition);

    //$condition =
array("id_process"=>$id_process);
    $db_object-
>delete_record("itemset2", $condition);

    //$condition =
array("id_process"=>$id_process);
    $db_object-
>delete_record("itemset3", $condition);

    //$condition =
array("id_process"=>$id_process);

```

```

    $db_object-
>delete_record("confidence",
$condition);
}

function
is_exist_variasi_itemset($array_item1,
$array_item2, $item1, $item2) {
    //$return = true;

//          $bool1      =
array_search(strtoupper($item2),
array_map('strtoupper', $array_item1));
//          $bool2      =
array_search(strtoupper($item1),
array_map('strtoupper', $array_item2));
//          $bool3      =
array_search(strtoupper($item2),
array_map('strtoupper', $array_item2));
//          $bool4      =
array_search(strtoupper($item1),
array_map('strtoupper', $array_item1));
    $bool1      =
array_keys(array_map('strtoupper',
$array_item1), strtoupper($item1));
    $bool2      =
array_keys(array_map('strtoupper',
$array_item2), strtoupper($item2));
    $bool3      =
array_keys(array_map('strtoupper',
$array_item2), strtoupper($item1));
    $bool4      =
array_keys(array_map('strtoupper',
$array_item1), strtoupper($item2));

    foreach ($bool1 as $key => $value) {
        $aa      = array_search($value,
$bool2);
        if(is_numeric($aa)){
            return true;
        }
    }

    foreach ($bool3 as $key => $value) {
        $aa      = array_search($value,
$bool4);
        if(is_numeric($aa)){
            return true;
        }
    }

//          if (is_numeric($bool1) &&
is_numeric($bool2)           ||
is_numeric($bool3)           &&
is_numeric($bool4)){
//          if($bool1 === $bool2 || $bool3
=== $bool4){
//          return true;
//          }
//          }

//          if (($bool3) && ($bool4)){
//          if($bool3 == $bool4){//jika
ditemukan dengan idex yg sama
//          return true;
//          }
//          }

        return false;
    }
function mining_process($db_object,
$min_support,      $min_confidence,
$start_date, $end_date, $id_process){
    //remove reset truncate (change to log
mode)
    //reset_temporary($db_object);
    //get transaksi data to array variable
    $sql_trans = "SELECT * FROM
transaksi
        WHERE      transaction_date
BETWEEN      'start_date'      AND
'send_date' ";
    $result_trans      =      $db_object-
>db_query($sql_trans);
    $dataTransaksi = $item_list = array();
    $jumlah_transaksi = $db_object-
>db_num_rows($result_trans);
    $min_support_relative      =
($min_support/$jumlah_transaksi)*100;
    $x=0;
    while($myrow      =      $db_object-
>db_fetch_array($result_trans)){
        $dataTransaksi[$x]['tanggal']      =
$myrow['transaction_date'];
        $item_produk      =
$myrow['produk'].",";
        //mencegah ada jarak spasi
        $item_produk = str_replace(" ",",",
$item_produk);
        $item_produk = str_replace(" ",",",
$item_produk);
        $item_produk = str_replace(" ",",",
$item_produk);
        $item_produk = str_replace(" ",",",
$item_produk);
        $item_produk = str_replace(" ",",",
$item_produk);
    }

```

```

",", $item_produk);
    $item_produk = str_replace(" ", " ",
",", $item_produk);
    $item_produk = str_replace(" ", " ",
",", $item_produk);
    $item_produk = str_replace(" ", " ",
",", $item_produk);

    $dataTransaksi[$x]['produk'] =
$item_produk;
    $produk = explode(",",
$myrow['produk']);
    //all items
    foreach ($produk as $key =>
$value_produk) {
        //if(!in_array($value_produk,
$item_list)){

if(!in_array(strtoupper($value_produk),
array_map('strtoupper', $item_list)){
            if(!empty($value_produk)){
                $item_list[] =
$value_produk;
            }
        }
    }
    $x++;
}

//build itemset 1
echo "<br><strong>Itemset
1:</strong><br>";
echo "<table class='table table-
bordered table-striped table-hover'>
    <tr>
        <th>No</th>
        <th>Item</th>
        <th>Jumlah</th>
        <th>Support</th>
        <th></th>
    </tr>";
    $itemset1 = $jumlahItemset1 =
$supportItemset1 = $valueIn = array();
    $x=1;
    foreach ($item_list as $key => $item)
    {
        $jumlah =
jumlah_itemset1($dataTransaksi,
$item);
        $support =
($jumlah/$jumlah_transaksi) * 100;
        $lolos =
($support>=$min_support_relative)?"1":
"0";
        $valueIn[] =
("'$item','$jumlah','$support','$lolos','$id
_process')";
        if($lolos){
            $itemset1[] = $item;//item yg
lolos itemset1
            $jumlahItemset1[] = $jumlah;
            $supportItemset1[] = $support;
        }
        echo "<tr>";
        echo "<td>" . $x . "</td>";
        echo "<td>" . $item . "</td>";
        echo "<td>" . $jumlah . "</td>";
        echo "<td>" .
price_format($support) . "</td>";
        echo "<td>" .
(($lolos==1)?"Lolos":"Tidak Lolos") .
"</td>";
        echo "</tr>";
        $x++;
    }
    echo "</table>";
    //insert into itemset1 one query with
many value
    $value_insert = implode(",",
$valueIn);
    $sql_insert_itemset1 = "INSERT
INTO itemset1 (atribut, jumlah, support,
lolos, id_process) "
        . " VALUES ".$value_insert;
    $db_object-
>db_query($sql_insert_itemset1);

//display itemset yg lolos
echo "<br><strong>Itemset 1 yang
lolos:</strong><br>";
echo "<table class='table table-
bordered table-striped table-hover'>
    <tr>
        <th>No</th>
        <th>Item</th>
        <th>Jumlah</th>
        <th>Support</th>
    </tr>";
    $x=1;
    foreach ($itemset1 as $key => $value)
    {
        echo "<tr>";
        echo "<td>" . $x . "</td>";
        echo "<td>" . $value . "</td>";
        echo "<td>" .

```

```

$jumlahItemset1[$key] . "</td>";
    echo          "<td>"
price_format($supportItemset1[$key]) .
"</td>";
    echo "</tr>";
    $x++;
}
echo "</table>";

//build itemset2
echo          "<br><strong>Itemset
2:</strong><br>";
echo "<table class='table table-
bordered table-striped table-hover'>
<tr>
    <th>No</th>
    <th>Item1</th>
    <th>Item2</th>
    <th>Jumlah</th>
    <th>Support</th>
    <th></th>
</tr>";
$NilaiAtribut1 = $NilaiAtribut2 =
array();
$itemset2_var1 = $itemset2_var2 =
$jumlahItemset2 = $supportItemset2 =
array();
$valueIn_itemset2 = array();
$no=1;
$a = 0;
while ($a <= count($itemset1)) {
    $b = 0;
    while ($b <= count($itemset1)) {
        $variance1 = $itemset1[$a];
        $variance2 = $itemset1[$b];
        if (!empty($variance1) &&
!empty($variance2)) {
            if ($variance1 != $variance2) {
if(!is_exist_variasi_itemset($NilaiAtribu
t1, $NilaiAtribut2, $variance1,
$variance2)) {
                // $jml_itemset2 =
get_count_itemset2($db_object,
$variance1, $variance2, $start_date,
$end_date);
                $jml_itemset2 =
jumlah_itemset2($dataTransaksi,
$variance1, $variance2);
                $NilaiAtribut1[] =
$variance1;
                $NilaiAtribut2[] =
$variance2;
                $support2 =
($jml_itemset2/$jumlah_transaksi) *
100;
                $lolos = ($support2 >=
$min_support_relative)? 1:0;
                $valueIn_itemset2[] =
("$variance1','$variance2','$jml_itemset
2','$support2','$lolos','$id_process");
                if($lolos){
                    $itemset2_var1[] =
$variance1;
                    $itemset2_var2[] =
$variance2;
                    $jumlahItemset2[] =
$jml_itemset2;
                    $supportItemset2[] =
$support2;
                }
                echo "<tr>";
                echo "<td>" . $no .
"</td>";
                echo "<td>" . $variance1
. "</td>";
                echo "<td>" . $variance2
. "</td>";
                echo "<td>" .
$jml_itemset2 . "</td>";
                echo "<td>" .
price_format($support2) . "</td>";
                echo "<td>" .
(($lolos==1)?"Lolos":"Tidak Lolos") .
"</td>";
                echo "</tr>";
                $no++;
            }
        }
    }
    $b++;
}
$a++;
}
echo "</table>";
//insert into itemset2 one query with
many value
$value_insert_itemset2 = implode(",",
$valueIn_itemset2);
$sql_insert_itemset2 = "INSERT
INTO itemset2 (atribut1, atribut2,
jumlah, support, lolos, id_process) "
VALUES

```



```

        echo "</tr>";
        $no++;
    }
    echo "</table>";

    //hitung confidence
    $confidence_from_itemset = 0;
    //dari itemset 3 jika tidak ada yg lolos
    ambil dari itemset 2 jika tiak ada gagal
    mendapatkan confidence
    $sql_3 = "SELECT * FROM itemset3
    WHERE lolos = 1 AND id_process =
    ".$id_process;
    $res_3 = $db_object->
    db_query($sql_3);
    $jumlah_itemset3_lolos =
    $db_object->db_num_rows($res_3);
    if($jumlah_itemset3_lolos > 0){
        $confidence_from_itemset = 3;

        while($row_3 = $db_object->
        db_fetch_array($res_3)){
            $atribut1 = $row_3['atribut1'];
            $atribut2 = $row_3['atribut2'];
            $atribut3 = $row_3['atribut3'];
            $supp_xuy = $row_3['support'];

            //1,2 => 3
            hitung_confidence($db_object,
            $supp_xuy, $min_support,
            $min_confidence,
            $atribut1, $atribut2,
            $atribut3, $id_process, $dataTransaksi,
            $jumlah_transaksi);

            //2,3 => 1
            hitung_confidence($db_object,
            $supp_xuy, $min_support,
            $min_confidence,
            $atribut2, $atribut3,
            $atribut1, $id_process, $dataTransaksi,
            $jumlah_transaksi);

            //3,1 => 2
            hitung_confidence($db_object,
            $supp_xuy, $min_support,
            $min_confidence,
            $atribut3, $atribut1,
            $atribut2, $id_process, $dataTransaksi,
            $jumlah_transaksi);

            //1 => 3,2
            hitung_confidence1($db_object,
            $supp_xuy, $min_support,
            $min_confidence,
            $atribut1, $atribut3,
            $atribut2, $id_process, $dataTransaksi,
            $jumlah_transaksi);

            //2 => 1,3
            hitung_confidence1($db_object,
            $supp_xuy, $min_support,
            $min_confidence,
            $atribut2, $atribut1,
            $atribut3, $id_process, $dataTransaksi,
            $jumlah_transaksi);

            //3 => 2,1
            hitung_confidence1($db_object,
            $supp_xuy, $min_support,
            $min_confidence,
            $atribut3, $atribut2,
            $atribut1, $id_process, $dataTransaksi,
            $jumlah_transaksi);

        }
    }

    //dari itemset 2
    $sql_2 = "SELECT * FROM itemset2
    WHERE lolos = 1 AND id_process =
    ".$id_process;
    $res_2 = $db_object->
    db_query($sql_2);
    $jumlah_itemset2_lolos =
    $db_object->db_num_rows($res_2);
    if($jumlah_itemset2_lolos > 0){
        $confidence_from_itemset = 2;
        while($row_2 = $db_object->
        db_fetch_array($res_2)){
            $atribut1 = $row_2['atribut1'];
            $atribut2 = $row_2['atribut2'];
            $supp_xuy = $row_2['support'];

            //1 => 2
            hitung_confidence2($db_object,
            $supp_xuy, $min_support,
            $min_confidence, $atribut1, $atribut2,
            $id_process, $dataTransaksi,
            $jumlah_transaksi);

            //2 => 1
            hitung_confidence2($db_object,
            $supp_xuy, $min_support,

```

```

$min_confidence, $atribut2, $atribut1,
$tid_process,      $dataTransaksi,
$jumlah_transaksi;
    }
}

if($confidence_from_itemset==0){
    return false;
}

return true;
}

function
get_variasi_itemset3($array_itemset3,
$item1, $item2, $item3, $item4) {
    $return = array();

    $return1 = array();
    if(!in_array(strtoupper($item1),
array_map('strtoupper', $return1))){
        $return1[] = $item1;
    }
    if(!in_array(strtoupper($item2),
array_map('strtoupper', $return1))){
        $return1[] = $item2;
    }
    if(!in_array(strtoupper($item3),
array_map('strtoupper', $return1))){
        $return1[] = $item3;
    }

    $return2 = array();
    if(!in_array(strtoupper($item1),
array_map('strtoupper', $return2))){
        $return2[] = $item1;
    }
    if(!in_array(strtoupper($item2),
array_map('strtoupper', $return2))){
        $return2[] = $item2;
    }
    if(!in_array(strtoupper($item4),
array_map('strtoupper', $return2))){
        $return2[] = $item4;
    }

    $return3 = array();
    if(!in_array(strtoupper($item1),
array_map('strtoupper', $return3))){
        $return3[] = $item1;
    }
    if(!in_array(strtoupper($item3),
array_map('strtoupper', $return3))){
        $return3[] = $item3;
    }
    if(!in_array(strtoupper($item4),
array_map('strtoupper', $return3))){
        $return3[] = $item4;
    }

    $return4 = array();
    if(!in_array(strtoupper($item2),
array_map('strtoupper', $return4))){
        $return4[] = $item2;
    }
    if(!in_array(strtoupper($item3),
array_map('strtoupper', $return4))){
        $return4[] = $item3;
    }
    if(!in_array(strtoupper($item4),
array_map('strtoupper', $return4))){
        $return4[] = $item4;
    }

    if(count($return1)==3){
        if(!is_exist_variasi_on_itemset3($return,
$return1)){
            if(!is_exist_variasi_on_itemset3($array_
itemset3, $return1)){
                $return[] = $return1;
            }
        }
    }
    if(count($return2)==3){
        if(!is_exist_variasi_on_itemset3($return,
$return2)){
            if(!is_exist_variasi_on_itemset3($array_
itemset3, $return2)){
                $return[] = $return2;
            }
        }
    }
    if(count($return3)==3){
        if(!is_exist_variasi_on_itemset3($return,
$return3)){
            if(!is_exist_variasi_on_itemset3($array_
itemset3, $return3)){
                $return[] = $return3;
            }
        }
    }
}

```

```

    }
  }
  if(count($return4)==3){

  if(!is_exist_variasi_on_itemset3($return,
$return4)){

  if(!is_exist_variasi_on_itemset3($array_
itemset3, $return4)){
    $return[] = $return4;
  }
}
}
return $return;
}

function
is_exist_variasi_on_itemset3($array,
$tiga_variasi){
  $return = false;

  foreach ($array as $key => $value) {
    $jml=0;
    foreach ($value as $key1 => $val1)
    {
      foreach ($tiga_variasi as $key2
=> $val2) {
        if(strtoupper($val1) ==
strtoupper($val2)){
          $jml++;
        }
      }
    }
    if($jml==3){
      $return=true;
      break;
    }
  }

  return $return;
}

function
get_count_itemset2($db_object,
$atribut1, $atribut2, $start_date,
$end_date) {
  $sql = "SELECT
COUNT(transaction_date) AS jml,
transaction_date
FROM transaksi
WHERE (produk='$atribut1' OR
produk = '$atribut2')
AND transaction_date
BETWEEN '$start_date' AND
'$end_date'
GROUP BY transaction_date
HAVING
COUNT(transaction_date)=2";
  $result = $db_object-
>db_query($sql);
  $jml = $db_object-
>db_num_rows($result);
  return $jml;
}

function
get_count_itemset3($db_object,
$atribut1, $atribut2, $atribut3,
$start_date, $end_date) {
  $sql = "SELECT
COUNT(transaction_date) AS jml,
transaction_date FROM transaksi
WHERE (produk='$atribut1' OR
produk = '$atribut2' OR produk =
'$atribut3')
AND transaction_date
BETWEEN '$start_date' AND
'$end_date'
GROUP BY transaction_date
HAVING
COUNT(transaction_date)=3";
  $result = $db_object-
>db_query($sql);
  $jml = $db_object-
>db_num_rows($result);
  return $jml;
}

/**
 * kombinasi atribut1 U atribut2 =>
$atribut3
 * save to table confidence
 * @param type $db_object
 * @param type $supp_xuy
 * @param type $atribut1
 * @param type $atribut2
 * @param type $atribut3
 */
function hitung_confidence($db_object,
$supp_xuy, $min_support,
$min_confidence,
$atribut1, $atribut2, $atribut3,
$хid_process, $dataTransaksi,
$jumlah_transaksi){

```

```

// $sql1_ = "SELECT support FROM
itemset2 "
//           . " WHERE atribut1 =
".$atribut1." "
//           . " AND atribut2 =
".$atribut2." "
//           . " AND id_process =
".$id_process;
// $res1_ = $db_object-
>db_query($sql1_);
// while($row1_ = $db_object-
>db_fetch_array($res1_)){
// hitung nilai support $nilai_support_x
seperti di itemset2
    $jml_itemset2 =
jumlah_itemset2($dataTransaksi,
$atribut1, $atribut2);
    $nilai_support_x =
($jml_itemset2/$jumlah_transaksi) *
100;

    $kombinasi1 = $atribut1."
".$atribut2;
    $kombinasi2 = $atribut3;
    $supp_x =
$nilai_support_x;//$row1_['support'];
    $conf = ($supp_xuy/$supp_x)*100;
    //lolos seleksi min confidence
itemset3
    $lolos = ($conf >=
$min_confidence)? 1:0;

    //hitung korelasi lift
    $jumlah_kemunculanAB =
jumlah_itemset3($dataTransaksi,
$atribut1, $atribut2, $atribut3);
    $PAUB =
$jumlah_kemunculanAB/$jumlah_trans
aksi;

    $jumlah_kemunculanA =
jumlah_itemset2($dataTransaksi,
$atribut1, $atribut2);
    $jumlah_kemunculanB =
jumlah_itemset1($dataTransaksi,
$atribut3);

    // $nilai_uji_lift = $PAUB /
$jumlah_kemunculanA *
$jumlah_kemunculanB;
    $nilai_uji_lift = $PAUB /
(($jumlah_kemunculanA/$jumlah_trans
aksi)
($jumlah_kemunculanB/$jumlah_trans
aksi));
    $korelasi_rule =
($nilai_uji_lift<1)?"korelasi
negatif":"korelasi positif";
    if($nilai_uji_lift==1){
        $korelasi_rule = "tidak ada
korelasi";
    }

    //masukkan ke table confidence
    $db_object-
>insert_record("confidence",
array("kombinasi1" =>
$kombinasi1,
"kombinasi2" =>
$kombinasi2,
"support_xUy" =>
$supp_xuy,
"support_x" => $supp_x,
"confidence" => $conf,
"lolos" => $lolos,
"min_support" =>
$min_support,
"min_confidence" =>
$min_confidence,
"nilai_uji_lift" =>
$nilai_uji_lift,
"korelasi_rule" =>
$korelasi_rule,
"id_process" =>
$id_process,
"jumlah_a" =>
$jumlah_kemunculanA,
"jumlah_b" =>
$jumlah_kemunculanB,
"jumlah_ab" =>
$jumlah_kemunculanAB,
"px" =>
($jumlah_kemunculanA/$jumlah_transa
ksi),
"py" =>
($jumlah_kemunculanB/$jumlah_transa
ksi),
"pxuy" => $PAUB,
"from_itemset"=>3
));
}
}
/**
* confidence atribut1 => atribut2 U
atribut3

```

```

* @param type $db_object
* @param type $supp_xuy
* @param type $min_support
* @param type $min_confidence
* @param type $atribut1
* @param type $atribut2
* @param type $atribut3
*/
function
hitung_confidence1($db_object,
$supp_xuy,          $min_support,
$min_confidence,
    $atribut1, $atribut2, $atribut3,
$хid_process,      $dataTransaksi,
$jumlah_transaksi){

//      $sql4_ = "SELECT support
FROM itemset1 "
//          . " WHERE atribut =
"."$atribut1." "
//          . " AND id_process =
"."$хid_process;
//      $res4_ = $db_object-
>db_query($sql4_);
//      while($row4_ = $db_object-
>db_fetch_array($res4_)){
//hitung nilai support seperti
itemset1
    $jml_itemset1 =
jumlah_itemset1($dataTransaksi,
$atribut1);
    $nilai_support_x =
($jml_itemset1/$jumlah_transaksi) *
100;

    $kombinasi1 = $atribut1;
    $kombinasi2 = $atribut2." ,
"."$atribut3;
    $supp_x =
$nilai_support_x;//$row4_['support'];
    $conf =
($supp_xuy/$supp_x)*100;
//lolos seleksi min confidence
itemset3
    $lolos = ($conf >=
$min_confidence)? 1:0;

//hitung korelasi lift
    $jumlah_kemunculanAB =
jumlah_itemset3($dataTransaksi,
$atribut1, $atribut2, $atribut3);
    $PAUB =
$jumlah_kemunculanAB/$jumlah_trans
aksi;

    $jumlah_kemunculanA =
jumlah_itemset1($dataTransaksi,
$atribut1);
    $jumlah_kemunculanB =
jumlah_itemset2($dataTransaksi,
$atribut2, $atribut3);

    $nilai_uji_lift = $PAUB /
(($jumlah_kemunculanA/$jumlah_trans
aksi) *
($jumlah_kemunculanB/$jumlah_transa
ksi));
    $korelasi_rule =
($nilai_uji_lift<1)?"korelasi
negatif":"korelasi positif";
    if($nilai_uji_lift==1){
        $korelasi_rule = "tidak ada
korelasi";
    }

//masukkan ke table confidence
    $db_object-
>insert_record("confidence",
        array("kombinasi1" =>
$kombinasi1,
        "kombinasi2" =>
$kombinasi2,
        "support_xUy" =>
$supp_xuy,
        "support_x" => $supp_x,
        "confidence" => $conf,
        "lolos" => $lolos,
        "min_support" =>
$min_support,
        "min_confidence" =>
$min_confidence,
        "nilai_uji_lift" =>
$nilai_uji_lift,
        "korelasi_rule" =>
$korelasi_rule,
        "id_process" =>
$хid_process,
        "jumlah_a" =>
$jumlah_kemunculanA,
        "jumlah_b" =>
$jumlah_kemunculanB,
        "jumlah_ab" =>
$jumlah_kemunculanAB,
        "px" =>
($jumlah_kemunculanA/$jumlah_transa

```

```

ksi),
    "py" =>
($jumlah_kemunculanB/$jumlah_transa
ksi),
    "pxuy" => $PAUB,
    "from_itemset"=>3
));
// }
}
function
hitung_confidence2($db_object,
$supp_xuy,          $min_support,
$min_confidence,
    $atribut1, $atribut2, $id_process,
    $dataTransaksi, $jumlah_transaksi){

//      $sql1_ = "SELECT support
FROM itemset1 "
//      . " WHERE atribut =
"."$atribut1." AND id_process =
"."$id_process;
//      $res1_ = $db_object-
>db_query($sql1_);
//      while($row1_ = $db_object-
>db_fetch_array($res1_)){
//hitung nilai support seperti
itemset1
    $jml_itemset1 =
jumlah_itemset1($dataTransaksi,
$atribut1);
    $nilai_support_x =
($jml_itemset1/$jumlah_transaksi) *
100;

    $kombinasi1 = $atribut1;
    $kombinasi2 = $atribut2;
    $supp_x =
$nilai_support_x;//$row1_['support'];
    $conf =
($supp_xuy/$supp_x)*100;
    //lolos seleksi min confidence
itemset3
    $lolos = ($conf >=
$min_confidence)? 1:0;

    //hitung korelasi lift
    $jumlah_kemunculanAB =
jumlah_itemset2($dataTransaksi,
$atribut1, $atribut2);
    $PAUB =
$jumlah_kemunculanAB/$jumlah_transa
ksi;

        $jumlah_kemunculanA =
jumlah_itemset1($dataTransaksi,
$atribut1);
        $jumlah_kemunculanB =
jumlah_itemset1($dataTransaksi,
$atribut2);

        $nilai_uji_lift = $PAUB /
(($jumlah_kemunculanA/$jumlah_transa
ksi)
*
($jumlah_kemunculanB/$jumlah_transa
ksi));
        $korelasi_rule =
($nilai_uji_lift<1)?"korelasi
negatif":"korelasi positif";
        if($nilai_uji_lift==1){
            $korelasi_rule = "tidak ada
korelasi";
        }

        //masukkan ke table confidence
        $db_object-
>insert_record("confidence",
            array("kombinasi1" =>
$kombinasi1,
                "kombinasi2" =>
$kombinasi2,
                "support_xUy" =>
$supp_xuy,
                "support_x" => $supp_x,
                "confidence" => $conf,
                "lolos" => $lolos,
                "min_support" =>
$min_support,
                "min_confidence" =>
$min_confidence,
                "nilai_uji_lift" =>
$nilai_uji_lift,
                "korelasi_rule" =>
$korelasi_rule,
                "id_process" =>
$id_process,
                "jumlah_a" =>
$jumlah_kemunculanA,
                "jumlah_b" =>
$jumlah_kemunculanB,
                "jumlah_ab" =>
$jumlah_kemunculanAB,
                "px" =>
($jumlah_kemunculanA/$jumlah_transa
ksi),
                "py" =>
($jumlah_kemunculanB/$jumlah_transa

```

```

ksi),
        "pxuy" => $PAUB,
        "from_itemset"=>2
    ));
//    }
}

function
jumlah_itemset1($transaksi_list,
$produk){
    $count = 0;
    foreach ($transaksi_list as $key =>
$data) {
        $items =
        ", ".strtoupper($data['produk']);
        $item_cocok =
        ", ".strtoupper($produk).",";
        $pos = strpos($items,
$item_cocok);
        if($pos!==false){//was found at
position $pos
            $count++;
        }
    }
    return $count;
}

function
jumlah_itemset2($transaksi_list,
$variasi1, $variasi2){
    $count = 0;
    foreach ($transaksi_list as $key =>
$data) {
        $items =
        ", ".strtoupper($data['produk']);
        $item_variasi1 =
        ", ".strtoupper($variasi1).",";
        $item_variasi2 =
        ", ".strtoupper($variasi2).",";

        $pos1 = strpos($items,
$item_variasi1);
        $pos2 = strpos($items,
$item_variasi2);
        if($pos1!==false &&
$pos2!==false){//was found at position
$pos
            $count++;
        }
    }
    return $count;
}

function
jumlah_itemset3($transaksi_list,
$variasi1, $variasi2, $variasi3){
    $count = 0;
    foreach ($transaksi_list as $key =>
$data) {
        $items =
        ", ".strtoupper($data['produk']);
        $item_variasi1 =
        ", ".strtoupper($variasi1).",";
        $item_variasi2 =
        ", ".strtoupper($variasi2).",";
        $item_variasi3 =
        ", ".strtoupper($variasi3).",";

        $pos1 = strpos($items,
$item_variasi1);
        $pos2 = strpos($items,
$item_variasi2);
        $pos3 = strpos($items,
$item_variasi3);
        if($pos1!==false &&
$pos2!==false &&
$pos3!==false){//was found at position
$pos
            $count++;
        }
    }
    return $count;
}
}

15. Not Found.php
<div class="content-wrapper">
    <div class="inner-container
container">
        <div class="row">
            <div class="section-header
col-md-12">
                <h2>404 - Page Not
Found !</h2>
            </div> <!-- /.section-header
-->
        </div> <!-- /.row -->
        <div class="row">
            <div class="col-md-12">
                <div class="box-
content">
                    <div class="text-center
error-page">
                        <h1>404</h1>
                        <span>Page cannot

```



```

$id_process);
                //update log process
                $field = array(
"start_date"=>$start,
"end_date"=>$end,
"min_support"=>$_POST['min_support'
],
"min_confidence"=>$_POST['min_conf
idence']
                );
                $where = array(
"id"=>$id_process
                );
                $query = $db_object-
>update_record("process_log", $field,
$where);
            }
            else{
                //insert log process
                $field_value = array(
"start_date"=>$start,
"end_date"=>$end,
"min_support"=>$_POST['min_support'
],
"min_confidence"=>$_POST['min_conf
idence']
                );
                $query = $db_object-
>insert_record("process_log",
$field_value);
                $id_process =
$db_object->db_insert_id();
            }
            //show form for update
            ?>
            <form method="post"
action="">
                <div class="row">
                    <div class="col-lg-6 "
>
                        <div class="form-
group">
                            <label>Min
Support: </label>
                                <input
name="min_support" type="text"
value="<?php
echo $_POST['min_support']; ?>"
class="form-
control" placeholder="Min Support">
                                </div>
                            <div class="form-
group">
                                <label>Min
Confidence: </label>
                                    <input
name="min_confidence" type="text"
value="<?php
echo $_POST['min_confidence']; ?>"
class="form-
control" placeholder="Min
Confidence">
                                    </div>
                                <input
type="hidden" name="id_process"
value="<?php echo $id_process; ?>">
                                <div class="form-
group">
                                    <input
name="submit" type="submit"
value="Proses" class="btn btn-
success">
                                    </div>
                                </div>
                            <div class="col-lg-6 "
>
                                <!-- Date range -->
                                <div class="form-
group">
                                    <label>Tanggal:
                                    <div class="input-
group">
                                        <div
class="input-group-addon">
                                            <i class="fa
fa-calendar"></i>
                                        </div>
                                        <input
type="text" class="form-control pull-
right" name="range_tanggal"
id="reservation" required=""
placeholder="Date range"
value="<?php
echo

```

```

$_POST['range_tanggal']; ?>">
    </div><!-- /.input
group -->
    </div><!-- /.form
group -->
    </div>
    </div>
</form>
<?php

    echo "Min Support Absolut:
" . $_POST['min_support'];
    echo "<br>";
    $sql = "SELECT
COUNT(*) FROM transaksi
WHERE transaction_date
BETWEEN '$start' AND '$end' ";
    $res = $db_object-
>db_query($sql);
    $num = $db_object-
>db_fetch_array($res);
    $minSupportRelatif =
($ _POST['min_support']/$num[0]) *
100;
    echo "Min Support Relatif:
" . $minSupportRelatif;
    echo "<br>";
    echo "Min Confidence: " .
$_POST['min_confidence'];
    echo "<br>";
    echo "Start Date: " .
$_POST['range_tanggal'];
    echo "<br>";

    //get transaksi data to array
variable
    /*
    * oret-oretan
    $sql_trans = "SELECT *
FROM transaksi
WHERE
transaction_date BETWEEN '$start'
AND '$end' ";
    $result_trans = $db_object-
>db_query($sql_trans);
    $dataTransaksi = $item_list
= array();
    $jumlah_transaksi =
$db_object-
>db_num_rows($result_trans);
    $min_support_relative =
($min_support/$jumlah_transaksi)*100;
    $x=0;
    while($myrow =
$db_object-
>db_fetch_array($result_trans)){
        $dataTransaksi[$x]['tanggal'] =
$myrow['transaction_date'];
        $dataTransaksi[$x]['produk'] =
$myrow['produk'].",";
        $dataTransaksi[$x]['id'] =
$myrow['id'];
        $produk = explode(", ",
$myrow['produk']);
        $produk = str_replace("
", "", $produk);
        $produk = str_replace("
", "", $produk);
        $produk = str_replace("
", "", $produk);
        $produk = str_replace("
", "", $produk);
        $produk = str_replace("
", "", $produk);
        $produk = str_replace("
", "", $produk);
        $produk = str_replace("
", "", $produk);
        $produk = str_replace("
", "", $produk);
        //all items
        foreach ($produk as $key
=> $value_produk) {

            //if(!in_array($value_produk,
$item_list)){

                if(!in_array(strtoupper($value_produk),
array_map('strtoupper', $item_list))){
                    if(!empty($value_produk)){
                        $item_list[] =
$value_produk;
                    }
                }
                $x++;
            }

            $sql_trans = "SELECT *
FROM itemset2 ";

```

```

        $result_trans = $db_object-
>db_query($sql_trans);
        while($myrow          =
$db_object-
>db_fetch_array($result_trans)){
if($myrow['atribut1']=='bendera    cair
coklat botol'
        &&
$myrow['atribut2']=='cair    coklat
kotak'){
            $aaaaa="jjjj";
        }
        $jumlahItemset2[] =
jumlah_itemset2($dataTransaksi,
$myrow['atribut1'], $myrow['atribut2']);
    }
    echo "aaa";
    */

        $result          =
mining_process($db_object,
$_POST['min_support'],
$_POST['min_confidence'],
        $start,          $end,
$хid_process);
        if ($result) {
            display_success("Proses
mining selesai");
        } else {
            display_error("Gagal
mendapatkan aturan asosiasi");
        }

display_process_hasil_mining($db_obje
ct, $хid_process);
    }
    ?>

        </div>
        </div>
        </div>
        <?php
}
else {
    $where = "ga gal";
    if(isset($_POST['range_tanggal'])){
        $tgl = explode(" - ",
$_POST['range_tanggal']);
        $start = format_date($tgl[0]);
        $end = format_date($tgl[1]);

        $where = " WHERE
transaction_date "
        . " BETWEEN '$start' AND
'$end'";
    }
    $sql = "SELECT
*
FROM
transaksi ".$where;

    $query = $db_object-
>db_query($sql);
    $jumlah = $db_object-
>db_num_rows($query);
    ?>

        <div class="super_sub_content">
        <div class="container">
        <div class="row">
            <form          method="post"
action="">
                <div class="row">
                    <div class="col-lg-6 " >
                        <div          class="form-
group">
                            <input
name="min_support"          type="text"
class="form-control" placeholder="Min
Support">
                                </div>
                            <div          class="form-
group">
                                <input
name="min_confidence" type="text"
class="form-control" placeholder="Min
Confidence">
                                    </div>
                                <div          class="form-
group">
                                    <input
name="submit"          type="submit"
value="Proses"          class="btn btn-
success">
                                        </div>
                                </div>
                            <div class="col-lg-6 " >
                                <!-- Date range -->
                                <div          class="form-
group">
                                    <div          class="input-
group">

```

```

        <div class="input-
group-addon">
            <i class="fa fa-
calendar"></i>
        </div>
        <input
type="text" class="form-control pull-
right" name="range_tanggal"

id="reservation" required=""
placeholder="Date range" value="<?php
echo $_POST['range_tanggal']; ?>"
        </div><!-- /.input
group -->
        </div><!-- /.form
group -->
        <div class="form-
group">
            <input
name="search_display" type="submit"
value="Search" class="btn btn-default">
            </div>
        </div>
    </div>
</form>

<?php
if (!empty($pesan_error)) {

display_error($pesan_error);
    }
    if (!empty($pesan_success)) {

display_success($pesan_success);
    }

    echo "Jumlah data: " . $jumlah
. "<br>";
    if ($jumlah == 0) {
        echo "Data kosong...";
    }
    else {
        ?>
        <table class='table table-
bordered table-striped table-hover'>
            <tr>
                <th>No</th>
                <th>Tanggal</th>
                <th>Produk</th>
            </tr>
        </table>
        <?php
        $no = 1;

```

```

        while ($row =
$db_object->db_fetch_array($query)) {
            echo "<tr>";
            echo "<td>" . $no .
"</td>";
            echo "<td>" .
$row['transaction_date'] . "</td>";
            echo "<td>" .
$row['produk'] . "</td>";
            echo "</tr>";
            $no++;
        }
        ?>
    </table>
    <?php
    }
    ?>
</div>
</div>
<?php
}
?>

```

17. View Rule.php

```

<?php
//session_start();
if
(isset($_SESSION['apriori_toko_id']))
{

header("location:index.php?menu=forbi
dden");
}

include_once "database.php";
include_once "fungsi.php";
include_once "mining.php";
include_once "display_mining.php";
?>
<section class="page_head">
    <div class="container">
        <div class="row">
            <div class="col-lg-12 col-md-12
col-sm-12">
                <div class="page_title">
                    <h2>Hasil Rule</h2>

```

```

        </div>
    </div>
</section>
<?php
//object database class
$db_object = new database();

$pesan_error = $pesan_success = "";

if(isset($_GET['pesan_error'])){
    $pesan_error = $_GET['pesan_error'];
}
if(isset($_GET['pesan_success'])){
    $pesan_success =
    $_GET['pesan_success'];
}

if (isset($_POST['submit'])) {
?>
    <div class="super_sub_content">
        <div class="container">
            <div class="row">
                <?php
                    $scan_process = true;
                    if
                    (empty($_POST['min_support']) ||
                    empty($_POST['min_confidence'])) {
                        $scan_process = false;
                        ?>
                        <script>
                            location.replace("?menu=view_rule&pe
                            san_error=Min Support dan Min
                            Confidence harus diisi");</script>
                        <?php
                            }

                    if(!is_numeric($_POST['min_support'])
                    ||
                    !is_numeric($_POST['min_confidence'])
                    ){
                        $scan_process = false;
                        ?>
                        <script>
                            location.replace("?menu=view_rule&pe
                            san_error=Min Support dan Min
                            Confidence harus diisi angka");</script>
                        <?php
                            }

                    if($scan_process){
                        $id_process =

```

```

$_POST['id_process'];

        $tgl = explode(" - ",
        $_POST['range_tanggal']);
        $start =
        format_date($tgl[0]);
        $end =
        format_date($tgl[1]);

        echo "Min Support Absolut:
        " . $_POST['min_support'];
        echo "<br>";
        $sql = "SELECT
        COUNT(*) FROM transaksi
        WHERE transaction_date
        BETWEEN '$start' AND '$end' ";
        $res = $db_object-
        >db_query($sql);
        $num = $db_object-
        >db_fetch_array($res);
        $minSupportRelatif =
        ($_POST['min_support']/$num[0]) *
        100;
        echo "Min Support Relatif:
        " . $minSupportRelatif;
        echo "<br>";
        echo "Min Confidence: " .
        $_POST['min_confidence'];
        echo "<br>";
        echo "Start Date: " .
        $_POST['range_tanggal'];
        echo "<br>";

        //delete hitungan untuk
        id_process
        reset_hitungan($db_object,
        $id_process);

        //update log process
        $field = array(
            "start_date"=>$start,
            "end_date"=>$end,
            "min_support"=>$_POST['min_support'
            ],
            "min_confidence"=>$_POST['min_conf
            idence']
        );
        $where = array(

```

```

$id"=>$id_process
    );
    $query = $db_object-
>update_record("process_log", $field,
$where);

    $result =
mining_process($db_object,
$post['min_support'],
$post['min_confidence'],
$start, $end,
$id_process);
    if ($result) {
        display_success("Proses
mining selesai");
    } else {
        display_error("Gagal
mendapatkan aturan asosiasi");
    }

display_process_hasil_mining($db_obje
ct, $id_process);
}
?>

</div>
</div>
</div>
<?php
}

else{
$id_process = 0;
if(isset($_GET['id_process'])){
    $id_process = $_GET['id_process'];
}
$sql = "SELECT
conf.*, log.start_date, log.end_date
FROM
confidence conf, process_log log
WHERE conf.id_process =
'id_process' "
. " AND conf.id_process = log.id "
. " AND conf.from_itemset=3 "
; //. " ORDER BY conf.lolos
DESC";
// echo $sql;
$query=$db_object->db_query($sql);
$jumlah=$db_object-
>db_num_rows($query);

$sql1 = "SELECT
conf.*, log.start_date, log.end_date
FROM
confidence conf, process_log log
WHERE conf.id_process =
'id_process' "
. " AND conf.id_process = log.id "
. " AND conf.from_itemset=2 "
; //. " ORDER BY conf.lolos
DESC";
// echo $sql;
$query1=$db_object->db_query($sql1);
$jumlah1=$db_object-
>db_num_rows($query1);

$sql_log = "SELECT * FROM
process_log
WHERE id = ".$id_process;
$res_log = $db_object-
>db_query($sql_log);
$row_log = $db_object-
>db_fetch_array($res_log);
?>

<div class="super_sub_content">
<div class="container">
<div class="row">
<?php
// if($jumlah==0){
// echo "Data kosong...";
// }
// else{
?>

<?php
echo "Confidence dari itemset
3";
?>

<table class='table table-
bordered table-striped table-hover'>
<tr>
<th>No</th>
<th>X => Y</th>
<th>Support X U Y</th>
<th>Support X </th>
<th>Confidence</th>
<th></th>
</tr>
</table>
<?php
$no=1;
$data_confidence = array();
while($row=$db_object-
>db_fetch_array($query)){

```

```

        echo "<tr>";
        echo
"<td>". $no. "</td>";
        echo
"<td>". $row['kombinasi1']. "      =>
". $row['kombinasi2']. "</td>";
        echo
"<td>". price_format($row['support_xUy
']). "</td>";
        echo
"<td>". price_format($row['support_x']).
"</td>";
        echo
"<td>". price_format($row['confidence'])
. "</td>";
        $keterangan          =
($row['confidence']          <=
$row['min_confidence'])?"Tidak
Lolos":"Lolos";
        echo
"<td>". $keterangan. "</td>";
        echo "</tr>";
        $no++;

//if($row['confidence']>=$row['min_confidence']){
        if($row['lolos']==1){
            $data_confidence[] =
$row;
        }
    }
}
?>
</table>

Confidence dari itemset 2
<table class='table table-
bordered table-striped table-hover'>
    <tr>
        <th>No</th>
        <th>X => Y</th>
        <th>Support X U Y</th>
        <th>Support X </th>
        <th>Confidence</th>
        <th></th>
    </tr>
    <?php
        $no=1;
        while($row=$db_object-
>db_fetch_array($query1)){
            echo "<tr>";
            echo
"<td>". $no. "</td>";
                echo
"<td>". $row['kombinasi1']. "      =>
". $row['kombinasi2']. "</td>";
                echo
"<td>". price_format($row['support_xUy
']). "</td>";
                echo
"<td>". price_format($row['support_x']).
. "</td>";
                $keterangan          =
($row['confidence']          <=
$row['min_confidence'])?"Tidak
Lolos":"Lolos";
                echo
"<td>". $keterangan. "</td>";
                echo "</tr>";
                $no++;

//if($row['confidence']>=$row['min_confidence']){
                    if($row['lolos']==1){
                        $data_confidence[] =
$row;
                    }
                }
            }
        }
    }
?>
</table>

<strong>Rule Asosiasi:</strong>
<table class='table table-
bordered table-striped table-hover'>
    <tr>
        <th>No</th>
        <th>X => Y</th>
        <th>Confidence</th>
        <th>Nilai Uji lift</th>
        <th>Korelasi rule</th>
        <!--<th></th>-->
    </tr>
    <?php
        $no=1;
        //while($row=$db_object-
>db_fetch_array($query)){
            foreach($data_confidence
as $key => $val){
                if($no==1){
                    echo "<br>";
                    echo "Min support:
". $val['min_support'];
                    echo "<br>";

```



```

        echo "Min confidence:
".$val['min_confidence'];
        echo "<br>";
        echo "Start Date:
".format_date_db($val['start_date']);
        echo "<br>";
        echo "End Date:
".format_date_db($val['end_date']);
    }
    echo "<tr>";
    echo "<td>" . $no .
"</td>";
        echo "<td>" .
$val['kombinasi1']. " =>
".$val['kombinasi2'] . "</td>";
        echo "<td>" .
price_format($val['confidence']) .
"</td>";
        echo "<td>" .
price_format($val['nilai_uji_lift']) .
"</td>";
        echo "<td>" .
($val['korelasi_rule']) . "</td>";
        //echo "<td>" .
($val['lolos'] == 1 ? "Lolos" : "Tidak
Lolos") . "</td>";
        echo "</tr>";
        $no++;
    }
    ?>
</table>
<h2>Hasil Analisa</h2>
<a
href="export/CLP.php?id_process=<?ph
p echo $id_process; ?>" class="btn btn-
primary" target="blank">
    Export Excel
</a>
<br>
<table class='table table-
bordered table-striped table-hover'>
    <?php
    $no=1;
    //while($row=$db_object-
>db_fetch_array($query)){
        foreach($data_confidence as
$key => $val){
            if($val['lolos']==1){
                echo "<tr>";
                echo "<td>".$no.". Jika
konsumen membeli ".$val['kombinasi1']
                .", maka konsumen
juga akan membeli
                ".$val['kombinasi2']. "</td>";
                echo "</tr>";
            }
            $no++;
        }
    }
    <?php
    //query itemset 1
    $sql1 = "SELECT
    *
    FROM
    itemset1
    WHERE id_process =
'$id_process' "
    . " ORDER BY lolos
DESC";
    $query1=$db_object-
>db_query($sql1);
    $jumlah1=$db_object-
>db_num_rows($query1);
    $itemset1 = $jumlahItemset1 =
$supportItemset1 = array();
    ?>
    <hr>
    <h3>Perhitungan</h3>
    <strong>Itemset
1:</strong></br>
    <table class='table table-
bordered table-striped table-hover'>
        <tr>
            <th>No</th>
            <th>Item 1</th>
            <th>Jumlah</th>
            <th>Support</th>
            <th></th>
        </tr>
        <?php
        $no=1;
        while($row1=$db_object-
>db_fetch_array($query1)){
            echo "<tr>";
            echo
            "<td>". $no."</td>";
            echo
            "<td>". $row1['atribut']."</td>";
            echo
            "<td>". $row1['jumlah']."</td>";
            echo
            "<td>".price_format($row1['support'])."
            </td>";
            echo

```

```

"<td>".($row1['lolos']==1?"Lolos":"Tid
ak Lolos")."</td>";
        echo "</tr>";
        $no++;
        if($row1['lolos']==1){
            $itemset1[] =
$row1['atribut'];//item yg lolos itemset1
            $jumlahItemset1[] =
$row1['jumlah'];
            $supportItemset1[] =
price_format($row1['support']);
        }
    }
    ?>
</table>
<?php
//display itemset yg lolos
echo "<br><strong>Itemset 1
yang lolos:</strong><br>";
echo "<table class='table table-
bordered table-striped table-hover'>
    <tr>
        <th>No</th>
        <th>Item</th>
        <th>Jumlah</th>
        <th>Support</th>
    </tr>";
    $no=1;
    foreach ($itemset1 as $key =>
$value) {
        echo "<tr>";
        echo "<td>" . $no . "</td>";
        echo "<td>" . $value . "</td>";
        echo "    <td>"
        .
        $jumlahItemset1[$key] . "</td>";
        echo "    <td>"
        .
        $supportItemset1[$key] . "</td>";
        echo "</tr>";
        $no++;
    }
    echo "</table>";
    ?>

<?php
//query itemset 2
$sql2 = "SELECT
    *
    FROM
    itemset2
    WHERE id_process =
'$id_process'"
    . " ORDER BY lolos
DESC";
    $query2=$db_object-
>db_query($sql2);
    $jumlah2=$db_object-
>db_num_rows($query2);
    $itemset2_var1 = $itemset2_var2
= $jumlahItemset2 = $supportItemset2 =
array();
    ?>
    <hr>
    <strong>Itemset
2:</strong></br>
    <table class='table table-
bordered table-striped table-hover'>
        <tr>
            <th>No</th>
            <th>Item 1</th>
            <th>Item 2</th>
            <th>Jumlah</th>
            <th>Support</th>
            <th></th>
        </tr>
        <?php
        $no=1;
        while($row2=$db_object-
>db_fetch_array($query2)){
            echo "<tr>";
            echo "<td>". $no . "</td>";
            echo
            "<td>". $row2['atribut1'] . "</td>";
            echo
            "<td>". $row2['atribut2'] . "</td>";
            echo
            "<td>". $row2['jumlah'] . "</td>";
            echo
            "<td>". price_format($row2['support']) .
            "</td>";
            echo
            "<td>". ($row2['lolos']==1?"Lolos":"Tid
            ak Lolos") . "</td>";
            echo "</tr>";
            $no++;
            if($row2['lolos']==1){
                $itemset2_var1[] =
                $row2['atribut1'];
                $itemset2_var2[] =
                $row2['atribut2'];
                $jumlahItemset2[] =
                $row2['jumlah'];
                $supportItemset2[] =
                price_format($row2['support']);
            }
        }
    }

```

```

?>
</table>

<?php
//display itemset yg lolos
echo "<br><strong>Itemset 2
yang lolos:</strong><br>";
echo "<table class='table table-
bordered table-striped table-hover'>
<tr>
<th>No</th>
<th>Item 1</th>
<th>Item 2</th>
<th>Jumlah</th>
<th>Support</th>
</tr>";
$no=1;
foreach ($itemset2_var1 as $key
=> $value) {
echo "<tr>";
echo "<td>" . $no . "</td>";
echo "<td>" . $value . "</td>";
echo
"<td>"
$itemset2_var2[$key] . "</td>";
echo
"<td>"
$jumlahItemset2[$key] . "</td>";
echo
"<td>"
$supportItemset2[$key] . "</td>";
echo "</tr>";
$no++;
}
echo "</table>";
?>

<?php
//query itemset 3
$sql3 = "SELECT
*
FROM
itemset3
WHERE id_process =
'$id_process' "
. " ORDER BY lolos
DESC";
$query3=$db_object-
>db_query($sql3);
$jumlah3=$db_object-
>db_num_rows($query3);
$itemset3_var1 = $itemset3_var2
= $itemset3_var3 = $jumlahItemset3 =
$supportItemset3 = array();
?>
</hr>

<strong>Itemset
3:</strong><br>
<table class='table table-
bordered table-striped table-hover'>
<tr>
<th>No</th>
<th>Item 1</th>
<th>Item 2</th>
<th>Item 3</th>
<th>Jumlah</th>
<th>Support</th>
<th></th>
</tr>
<?php
$no=1;
while($row3=$db_object-
>db_fetch_array($query3)){
echo "<tr>";
echo
"<td>". $no . "</td>";
echo
"<td>". $row3['atribut1'] . "</td>";
echo
"<td>". $row3['atribut2'] . "</td>";
echo
"<td>". $row3['atribut3'] . "</td>";
echo
"<td>". $row3['jumlah'] . "</td>";
echo
"<td>". price_format($row3['support']) . "
</td>";
echo
"<td>". ($row3['lolos']==1?"Lolos":"Tid
ak Lolos") . "</td>";
echo "</tr>";
$no++;
if($row3['lolos']==1){
$itemset3_var1[] =
$row3['atribut1'];
$itemset3_var2[] =
$row3['atribut2'];
$itemset3_var3[] =
$row3['atribut3'];
$jumlahItemset3[] =
$row3['jumlah'];
$supportItemset3[] =
$row3['support'];
}
}
?>
</table>

<?php

```

```

//display itemset yg lolos
echo "<br><strong>Itemset 3
yang lolos:</strong><br>";
echo "<table class='table table-
bordered table-striped table-hover'>
  <tr>
    <th>No</th>
    <th>Item 1</th>
    <th>Item 2</th>
    <th>Item 3</th>
    <th>Jumlah</th>
    <th>Support</th>
  </tr>";
  $no=1;
  foreach ($itemset3_var1 as $key
=> $value) {
    echo "<tr>";
    echo "<td>" . $no . "</td>";
    echo "<td>" . $value . "</td>";
    echo      "<td>"      .
$itemset3_var2[$key] . "</td>";
    echo      "<td>"      .
$itemset3_var3[$key] . "</td>";
    echo      "<td>"      .
$jumlahItemset3[$key] . "</td>";
    echo      "<td>"      .
$supportItemset3[$key] . "</td>";
    echo "</tr>";
    $no++;
  }
  echo "</table>";
?>

<?php
//}
?>
</div>
</div>
</div>
<?php
}
?>

```



KARTU MONITORING BIMBINGAN
 MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
 FAKULTAS TEKNIK
 UNIVERSITAS MUHAMMADIYAH PAREPARE


PROPOSAL

Nama : Fadlan Agus Setiawan	Pembimbing I : Hj. A. Irmayanti, S.T., M.T
Nim : 219280196	Pembimbing II : Mughaffir Yunus, S.Kom., M.T
Judul : Implementasi Data Mining Rule Asosiasi Menggunakan Algoritma Apriori Dalam Penentuan Pola Pembelian Produk Parfum Yang Terjual	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 ~ Desain sistem yg ber jalan dan yg disesuaikan	17 Jun 2023 A.p.	Konsultasi 1 Tambahkan kata kelengkapan. Sebaiknya dengan panduan panduan	12 Juli 2023 A.p.
Konsultasi 2 ~ Desain sistem yg ber jalan	A.p.	Konsultasi 2 Buatkan flowchart input, proses, dan output	18 Juli 2023 A.p.
Konsultasi 3 Acc.	A.p.	Konsultasi 3 Acc	A.p.
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

Lanjut ke halaman sebelah...

Lanjutan...

 KARTU MONITORING BIMBINGAN MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA FAKULTAS TEKNIK UNIVERSITAS MUHAMMADIYAH PAREPARE			
HASIL			
Mahasiswa : FADLAN AGUS SETIAWAN		Pembimbing I : Hj. A. Irmayanti Paweloi, ST., MT.	
NIM : 219280196		Pembimbing II : Mugaffir Yunus, ST., MT.	
Judul Skripsi : Implementasi Data Mining rule Asosiasi Menggunakan Algoritma Apriori Dalam penentuan pola pembelian produk parfum yang terjual			
ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 ~ kta ang (h2c)	28/1/2024 A-1	Konsultasi 1 format Penulisan	Prof.
Konsultasi 2 ~ ker menjawab rumusan (80r angka).	A-1.	Konsultasi 2 Marga sesuaikan dengan panduan	Prof.
Konsultasi 3 Perbaiki Abs7na bagian hasil	A-1.	Konsultasi 3 Perbaiki Saran dan Kesimpulan	Prof.
Konsultasi 4 Pelajari listy msr	A-1	Konsultasi 4 Perbaiki Aplikasi!	Prof.
Konsultasi 5 A-2 -	22/2/2024 A-1	Konsultasi 5 A cc	Prof.

Perhatian :

- Mahasiswa wajib konsultasi minimal 5 kali
- Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
- Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
- Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik



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 MAHASISWA PROGRAM STUDI TEKNIK INFORMATIKA
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SKRIPSI

MAHASISWA : FADHLAN AGUS SETIAWAN	Pembimbing I : Hj.A.Irmayani Pawelloi, ST.,MT.
NIM : 219280196	Pembimbing II : Mughaffir Yunus, ST., MT.
Judul Skripsi : IMPLEMENTASI DATA MINING RULE ASOSIASI MENGGUNAKAN ALGORITMA APRIORI DALAM PENENTUAN POLA PEMBELIAN PRODUK PARFUM YANG TERJUAL	

ARAHAN PEMBIMBING I	HARI/TGL & PARAF PEMBIMBING	ARAHAN PEMBIMBING II	HARI/TGL & PARAF PEMBIMBING
Konsultasi 1 <i>Ace</i>	9/9/2024 <i>Arif</i>	Konsultasi 1	<i>Ref</i>
Konsultasi 2		Konsultasi 2	<i>Ref</i>
Konsultasi 3		Konsultasi 3 <i>Ace</i>	<i>Ref</i>
Konsultasi 4		Konsultasi 4	
Konsultasi 5		Konsultasi 5	

Lanjut ke halaman sebelah...

Perhatian :

1. Mahasiswa wajib konsultasi minimal 5 kali
2. Kartu ini wajib dibawa oleh mahasiswa disetiap konsultasi dan diisi oleh Pembimbing
3. Kartu ini wajib dilampirkan pada laporan skripsi dan menjadi salah satu persyaratan untuk ikut seminar proposal/ujian skripsi
4. Kartu ini dicetak di atas kertas karton berwarna hijau muda dan dicetak timbal balik



SERTIFIKAT

Nomor : 514/PRK/LB-TI/II.3.AU/D/2023

Diberikan Kepada :

Fadhlan Agus Setiawan

NIM. 219280196

Telah Menyelesaikan

PRAKTIKUM V

Laboratorium Teknik Informatika

Program Studi Teknik Informatika Fakultas Teknik

Universitas Muhammadiyah Parepare

Pada tanggal 16 Januari 2023 - 29 Maret 2023

Parepare, 15 Juni 2023



**KETUA PRODI
TEKNIK INFORMATIKA**

Marlina. S.Kom., M.Kom
NBM. 1162 680



**KEPALA
LABORATORIUM**

Ir. Untung Suwardoyo, S.Kom., MT., IPP.
NBM. 1288 973