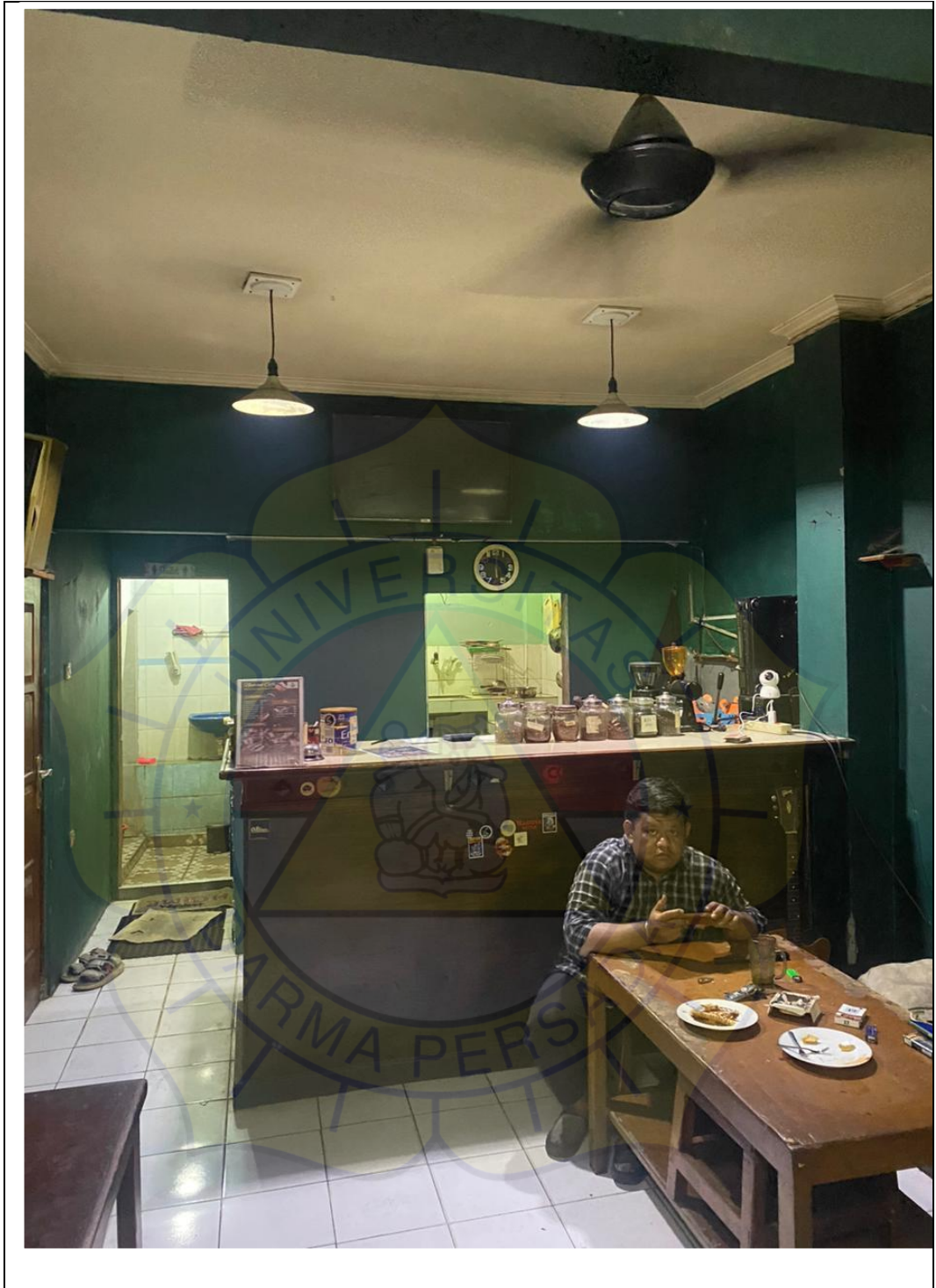


Lampiran 3 Tempat Studi kasus





Lampiran 4 Source Code

```
<?php

if (session_status() === PHP_SESSION_NONE) {

    session_start();

}

if (!isset($_SESSION['username'])) {

    header("Location: login.php");

    exit();

}

require 'config.php';

$from_date = $_POST['from_date'];
$to_date = $_POST['to_date'];
$min_support = (float)$_POST['min_support'];
$min_confidence = (float)$_POST['min_confidence'];

$sql = "SELECT Tanggal, Item FROM tbl_processing_data WHERE
Tanggal BETWEEN '$from_date' AND '$to_date'";
$result = $conn->query($sql);

$transactions = [];

if ($result->num_rows > 0) {

    while ($row = $result->fetch_assoc()) {

        $transactions[] = explode(',', $row['Item']);

    }

}

$item_counts = [];
```

```

foreach ($transactions as $transaction) {

    foreach ($transaction as $item) {

        $item = trim($item);

        if (!isset($item_counts[$item])) {

            $item_counts[$item] = 0;

        }

        $item_counts[$item]++;

    }

}

$total_transactions = count($transactions);
$itemset1 = [];
foreach ($item_counts as $item => $count) {

    $support = ($count / $total_transactions) * 100;

    $itemset1[] = [

        'item' => $item,

        'count' => $count,

        'support' => $support,

        'status' => ($support >= $min_support) ? 'Lulus' : 'Tidak
Lulus'

    ];

}

$itemset2_counts = [];

foreach ($transactions as $transaction) {

    $transaction = array_map('trim', $transaction);

    for ($i = 0; $i < count($transaction); $i++) {

        for ($j = $i + 1; $j < count($transaction); $j++) {

            $item1 = $transaction[$i];

```

```

        $item2 = $transaction[$j];

        $pair = $item1 . ',' . $item2;

        if (!isset($itemset2_counts[$pair])) {

            $itemset2_counts[$pair] = 0;

        }

        $itemset2_counts[$pair]++;

    }

}

$itemset2 = [];

foreach ($itemset2_counts as $items => $count) {

    list($item1, $item2) = explode(',', $items);

    $support = ($count / $total_transactions) * 100;

    $confidence1 = ($count / $item_counts[$item1]) * 100;

    $confidence2 = ($count / $item_counts[$item2]) * 100;

    $itemset2[] = [

        'item1' => $item1,

        'item2' => $item2,

        'count' => $count,

        'support' => $support,

        'confidence1' => $confidence1,

        'confidence2' => $confidence2,

        'status' => ($support >= $min_support && $confidence1 >=

$min_confidence && $confidence2 >= $min_confidence) ? 'Lulus' :

'Tidak Lulus'

    ];

}

?>

```

```

<h3>Itemset 1</h3>
<table class="table table-bordered">
    <thead>
        <tr>
            <th>No</th>
            <th>Item</th>
            <th>Jumlah</th>
            <th>Support (%)</th>
            <th>Keterangan</th>
        </tr>
    </thead>
    <tbody>
        <?php foreach ($itemset1 as $index => $item): ?>
            <tr>
                <td><?php echo $index + 1; ?></td>
                <td><?php echo $item['item']; ?></td>
                <td><?php echo $item['count']; ?></td>
                <td><?php echo number_format($item['support'],
2); ?></td>
                <td><?php echo $item['status']; ?></td>
            </tr>
        <?php endforeach; ?>
    </tbody>
</table>

<h3>Itemset 2</h3>
<table class="table table-bordered">
    <thead>

```

```

        <tr>

            <th>No</th>

            <th>Item 1</th>

            <th>Item 2</th>

            <th>Jumlah</th>

            <th>Support (%)</th>

            <th>Confidence Item 1 (%)</th>

            <th>Keterangan</th>

        </tr>
    </thead>
    <tbody>
        <?php foreach ($itemset2 as $index => $item): ?>
            <tr>
                <td><?php echo $index + 1; ?></td>
                <td><?php echo $item['item1']; ?></td>
                <td><?php echo $item['item2']; ?></td>
                <td><?php echo $item['count']; ?></td>
                <td><?php echo number_format($item['support'],
2); ?></td>
                <td><?php echo number_format($item['confidence1'],
2); ?></td>
                <td><?php echo $item['status']; ?></td>
            </tr>

            <?php endforeach; ?>
        </tbody>
    </table>

    <?php
    $lulus_itemset2 = array_filter($itemset2, function($item) {
        return $item['status'] === 'Lulus';
    });

```

```

});

?>

<h3>Itemset 2 Lulus</h3>

<table class="table table-bordered">

    <thead>

        <tr>

            <th>No</th>

            <th>Item A</th>

            <th>Item B</th>

            <th>Support (%)</th>

            <th>Confidence (%)</th>

            <th>Keterangan</th>

        </tr>

    </thead>

    <tbody>

        <?php foreach ($lulus_itemset2 as $index => $item): ?>

            <tr>

                <td><?php echo $index + 1; ?></td>

                <td><?php echo $item['item1']; ?></td>

                <td><?php echo $item['item2']; ?></td>

                <td><?php echo number_format($item['support'],

2); ?></td>

                <td><?php echo number_format($item['confidence1'],

2); ?></td>

                <td><?php echo $item['status']; ?></td>

            </tr>

        <?php endforeach; ?>

    </tbody>

</table>

```

```

<h3>Aturan Asosiatif Item A -> Item B</h3>

<table class="table table-bordered">

    <thead>

        <tr>

            <th>No</th>

            <th>Item A</th>

            <th>Item B</th>

            <th>Support (%)</th>

            <th>Confidence (%)</th>

            <th>Keterangan</th>

        </tr>
    </thead>
    <tbody>
        <?php foreach ($lulus_itemset2 as $index => $item): ?>
            <tr>
                <td><?php echo $index + 1; ?></td>
                <td><?php echo $item['item1']; ?></td>
                <td><?php echo $item['item2']; ?></td>
                <td><?php echo number_format($item['support'],
2); ?></td>
                <td><?php echo number_format($item['confidence1'],
2); ?></td>
                <td>Jika pembeli membeli <?php echo $item['item1'];
?> maka pembeli membeli <?php echo $item['item2']; ?></td>
            </tr>
        <?php endforeach; ?>
    </tbody>
</table>

```

```

<h3>Rekomendasi Produk</h3>

<table class="table table-bordered">

    <thead>

        <tr>

            <th>No</th>

            <th>Item</th>

            <th>Support (%)</th>

        </tr>

    </thead>

    <tbody>

        <?php foreach ($itemset1 as $index => $item): ?>

            <tr>

                <td><?php echo $index + 1; ?></td>

                <td><?php echo $item['item']; ?></td>

                <td><?php echo number_format($item['support'],

2); ?></td>

            </tr>

        <?php endforeach; ?>

    </tbody>

</table>

<form id="saveForm" action="simpan_hasil.php" method="post">

    <input type="hidden" name="from_date" value="<?php echo

$from_date; ?>">

    <input type="hidden" name="to_date" value="<?php echo

$to_date; ?>">

    <input type="hidden" name="min_support" value="<?php echo

$min_support; ?>">

```

```
<input type="hidden" name="min_confidence" value="<?php echo
$min_confidence; ?>">

    <input type="hidden" name="itemset1" value='<?php echo
json_encode($itemset1); ?>'>

    <input type="hidden" name="itemset2" value='<?php echo
json_encode($itemset2); ?>'>

    <input type="hidden" name="asosiasi" value='<?php echo
json_encode($lulus_itemset2); ?>'> <!-- Tambahkan baris ini -->

    <button type="submit" class="btn btn-primary">Simpan
Hasil</button>

</form>
```

