

**LAPORAN TUGAS PRAKTIKUM  
PENGEMBANGAN APLIKASI WEB  
TP MODUL 10**



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**PRODI TEKNIK INFORMATIKA  
JURUSAN TEKNIK INFORMATIKA  
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## 1. Code Program

```
1. <?php
2. require 'koneksi.inc';
3. session_start();
4.
5. if (isset($_GET['logout'])) {
6.     session_destroy();
7.     header("location: login.php");
8. }
9.
10. if (!isset($_SESSION["username"])) {
11.     header("location: login.php");
12. }
13.
14. $batas = 5;
15. $filter_param = '?';
16. $search = '';
17.
18. if (isset($_GET['view'])) {
19.     $batas = $_GET['view'];
20.     $filter_param = "?view=$batas&";
21. }
22.
23. $shal = isset($_GET['hal']) ? (int)$_GET['hal'] : 1;
24. $shal_awal = ($shal > 1) ? ($shal * $batas) - $batas : 0;
25.
26. $prev = $shal - 1;
27. $next = $shal + 1;
28.
29. $data = mysqli_query($koneksi, "SELECT * FROM transaksi");
30. $no = $shal_awal + 1;
31.
32. $result = mysqli_query($koneksi, "SELECT * FROM transaksi LIMIT
    $shal_awal, $batas");
33.
34. if (isset($_GET['tgl_awal'])) {
35.     $tgl_awal = $_GET['tgl_awal'];
36.     $tgl_tujuan = $_GET['tgl_tujuan'];
37.     $data = mysqli_query($koneksi, "SELECT * FROM transaksi
        WHERE waktu_transaksi BETWEEN '$tgl_awal' AND '$tgl_tujuan'");
38.     $result = mysqli_query($koneksi, "SELECT * FROM transaksi
        WHERE waktu_transaksi BETWEEN '$tgl_awal' AND '$tgl_tujuan'
        LIMIT $shal_awal, $batas");
39.     $filter_param =
        "?tgl_awal=". $tgl_awal. "&tgl_tujuan=". $tgl_tujuan. "&view=". $batas. "&";
40. }
41.
42. if (isset($_GET["search"])) {
43.     $search = $_GET["search"];
44.
45.     $data = mysqli_query($koneksi, "SELECT * FROM transaksi
        WHERE
46.         id LIKE '%$search%' OR
47.         pelanggan_id LIKE '%$search%' OR
```

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48.     waktu_transaksi LIKE '%$search%' OR
49.     keterangan LIKE '%$search%' OR
50.     total LIKE '%$search%'
51.     ");
52.
53.     $result = mysqli_query($koneksi, "SELECT * FROM transaksi
WHERE
54.     id LIKE '%$search%' OR
55.     pelanggan_id LIKE '%$search%' OR
56.     waktu_transaksi LIKE '%$search%' OR
57.     keterangan LIKE '%$search%' OR
58.     total LIKE '%$search%'
59.     LIMIT $hal_awal, $batas
60.     ");
61.
62.     $searchQ = (isset($_GET['search'])) ? "WHERE
63.     id LIKE '%$search%' OR
64.     pelanggan_id LIKE '%$search%' OR
65.     waktu_transaksi LIKE '%$search%' OR
66.     keterangan LIKE '%$search%' OR
67.     total LIKE '%$search%'
68.     " : "";
69.
70.
71.     if (isset($_GET['tgl_awal'])) {
72.         $data = mysqli_query($koneksi, "SELECT * FROM transaksi
WHERE waktu_transaksi BETWEEN '$tgl_awal' AND '$tgl_tujuan' AND
73.         (id LIKE '%$search%' OR
74.         pelanggan_id LIKE '%$search%' OR
75.         waktu_transaksi LIKE '%$search%' OR
76.         keterangan LIKE '%$search%' OR
77.         total LIKE '%$search%');
78.         ");
79.
80.         $result = mysqli_query($koneksi, "SELECT * FROM
transaksi WHERE waktu_transaksi BETWEEN '$tgl_awal' AND
'$tgl_tujuan' AND
81.         (id LIKE '%$search%' OR
82.         pelanggan_id LIKE '%$search%' OR
83.         waktu_transaksi LIKE '%$search%' OR
84.         keterangan LIKE '%$search%' OR
85.         total LIKE '%$search%')
86.         LIMIT $hal_awal, $batas
87.         ");
88.
89.         $searchQ = (isset($_GET['tgl_awal'])) ? "WHERE
waktu_transaksi BETWEEN '$tgl_awal' AND '$tgl_tujuan' AND
90.         (id LIKE '%$search%' OR
91.         pelanggan_id LIKE '%$search%' OR
92.         waktu_transaksi LIKE '%$search%' OR
93.         keterangan LIKE '%$search%' OR
94.         total LIKE '%$search%')" : "";
95.     }
96. }
97.
98. $jumlah_data = mysqli_num_rows($data);

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99. $total_hal = ceil($jumlah_data / $batas);
100.
101.     // echo $_SERVER['QUERY_STRING'];
102.     if (isset($_GET['sort'])){
103.         $sort = $_GET['sort'];
104.         $kolom = $_GET['s'];
105.         if ($sort == "desc"){
106.             $result = mysqli_query($koneksi, "SELECT * FROM
transaksi $searchQ ORDER BY $kolom DESC LIMIT $hal_awal,
$batas");
107.         } else {
108.             $result = mysqli_query($koneksi, "SELECT * FROM
transaksi $searchQ ORDER BY $kolom LIMIT $hal_awal, $batas ");
109.         }
110.     }
111.
112.
113.     if (isset($_GET['search'])){
114.         $cari = $_GET['search'];
115.         $filter_param = "?search=".$cari."&";
116.         if (isset($_GET['hal'])){
117.             $p = $_GET['hal'];
118.             $filter_param = "?search=".$cari."&";
119.         }
120.     }
121.
122.     function rupiah($angka){
123.         $hasil_rupiah = "Rp " .
number_format($angka,2,',','.');
124.         return $hasil_rupiah;
125.     }
126.     ?>
127.
128.     <!DOCTYPE html>
129.     <html lang="en">
130.
131.     <head>
132.         <meta charset="UTF-8">
133.         <meta name="viewport" content="width=device-width,
initial-scale=1.0">
134.         <title>Dashboard</title>
135.         <link
href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.3.2/dist/css/boot
strap.min.css" rel="stylesheet" integrity="sha384-
T3c6CoIi6uLrA9TneNEoa7RxnatzjcdSCmGlMXxSR1GAsXEV/Dwwykc2MPK8M2HN
" crossorigin="anonymous">
136.         <link rel="stylesheet"
href="https://cdn.jsdelivrivr.net/npm/bootstrap-
icons@1.11.1/font/bootstrap-icons.css">
137.         <link rel="stylesheet"
href="https://cdn.jsdelivrivr.net/npm/bootstrap-
icons@1.11.2/font/bootstrap-icons.min.css">
138.         <script
src="https://kit.fontawesome.com/47a76e5697.js"
crossorigin="anonymous"></script>
139.     </head>

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[illegible]

[illegible]

[illegible]

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254.                                     </th>
255.                                     <th width=13%>
256.                                         Tanggal
257.                                         <?php if
      (!isset($_GET['sort']) || $_GET['sort'] == 'desc' && $_GET['s']
      == "waktu_transaksi") : ?>
258.                                             <a href="<?=
      (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param
      ?>s=waktu_transaksi&sort=asc"><i class="fa-solid fa-sort-
      down"></i></a>
259.                                         <?php else : ?>
260.                                             <a href="<?=
      (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param
      ?>s=waktu_transaksi&sort=desc"><i class="fa-solid fa-sort-
      up"></i></a>
261.                                         <?php endif ?>
262.                                     </th>
263.                                     <th width=13%>
264.                                         Pelanggan Id
265.                                         <?php if
      (!isset($_GET['sort']) || $_GET['sort'] == 'desc' && $_GET['s']
      == "pelanggan_id") : ?>
266.                                             <a href="<?=
      (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param
      ?>s=pelanggan_id&sort=asc"><i class="fa-solid fa-sort-
      down"></i></a>
267.                                         <?php else : ?>
268.                                             <a href="<?=
      (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param
      ?>s=pelanggan_id&sort=desc"><i class="fa-solid fa-sort-
      up"></i></a>
269.                                         <?php endif ?>
270.                                     </th>
271.                                     <th scope="col">
272.                                         Keterangan
273.                                         <?php if
      (!isset($_GET['sort']) || $_GET['sort'] == 'desc' && $_GET['s']
      == "keterangan") : ?>
274.                                             <a href="<?=
      (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param
      ?>s=keterangan&sort=asc"><i class="fa-solid fa-sort-
      down"></i></a>
275.                                         <?php else : ?>
276.                                             <a href="<?=
      (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param
      ?>s=keterangan&sort=desc"><i class="fa-solid fa-sort-
      up"></i></a>
277.                                         <?php endif ?>
278.                                     </th>
279.                                     <th width=14%>
280.                                         Total
281.                                         <?php if
      (!isset($_GET['sort']) || $_GET['sort'] == 'desc' && $_GET['s']
      == "total") : ?>
282.                                             <a href="<?=
      (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param

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        ?>s=total&sort=asc"><i class="fa-solid fa-sort-down"></i></a>
283.                <?php else : ?>
284.                <a href="<?=
        (!$_SERVER['QUERY_STRING']) ? "?" : $filter_param
        ?>s=total&sort=desc"><i class="fa-solid fa-sort-up"></i></a>
285.                <?php endif ?>
286.                </th>
287.            </tr>
288.        </thead>
289.        <tbody>
290.            <?php foreach ($result as $row) :
        ?>
291.                <tr>
292.                    <td><?= $no++ ?>.</td>
293.                    <td><?= $row['id'] ?></td>
294.                    <td><?=
        $row['waktu_transaksi'] ?></td>
295.                    <td><?=
        $row['pelanggan_id'] ?></td>
296.                    <td><?= $row['keterangan']
        ?></td>
297.                    <td><?=
        rupiah($row['total']) ?></td>
298.                </tr>
299.            <?php endforeach; ?>
300.        </tbody>
301.    </table>
302. </div>
303. <?php } else {echo "<h3>Data tidak
        ditemukan</h3>";}?>
304. </div>
305. <?php if(mysqli_num_rows($result) > 0){ ?>
306.     <nav class="text-center">
307.
308.         <span>Menampilkan <?=$hal_awal+1 ."-".
        $no-1?> data dari <?=mysqli_num_rows($data)?> data</span>
309.
310.         <ul class="pagination justify-content-
        center mt-3">
311.             <li class="page-item <?= ($hal <= 1) ?
        "disabled" : ''; ?>">
312.                 <a class="page-link"
        href='<?=(!$_SERVER['QUERY_STRING']) ? "?" : $filter_param)?><?=
        (isset($_GET['sort'])) ? "s=".$kolom."&sort=".$sort."&" : ""
        ?>hal=<?= $prev ?>'>Previous</a>
313.             </li>
314.
315.             <?php for ($x = 1; $x <= $total_hal;
        $x++) { ?>
316.                 <li class="page-item <?= ($hal ==
        $x) ? "active" : ''; ?>">
317.                     <a class="page-link"
        href='<?=(!$_SERVER['QUERY_STRING']) ? "?" : $filter_param)?><?=
        (isset($_GET['sort'])) ? "s=".$kolom."&sort=".$sort."&" : ""
        ?>hal=<?= $x ?>'><?= $x ?></a>
318.             </li>

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319.                                     <?php } ?>
320.
321.                                     <li class="page-item <?=( $hal >=
    $total_hal) ? "disabled" : ''; ?>">
322.                                     <a class="page-link"
    href='<?=(!$_SERVER['QUERY_STRING'] ? "?" : $filter_param)?><?=(
    (isset($_GET['sort'])) ? "s=".$kolom."&sort=".$sort."&" : ""
    ?>hal=<?=( $next ?>'>Next</a>
323.                                     </li>
324.                                     </ul>
325.                                     </nav>
326.                                     <?php } else {echo "<span>Menampilkan 0
    hasil</span>";}?>
327.                                     </div>
328.                                     <script
    src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd
    /popper.min.js" integrity="sha384-
    I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r
    " crossorigin="anonymous"></script>
329.                                     <script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootst
    rap.min.js" integrity="sha384-
    BBtl+eGJRggqQAUMxJ7pMwbEyER411g+O15P+16Ep7Q9Q+zqX6gSbd85u4mG4QzX+
    " crossorigin="anonymous"></script>
330.                                     </body>
331.                                     </html>

```

### Penjelasan Code Program:

1. Menyambungkan kedalam database dan juga memulai session, dan juga melakukan validasi untuk session yang sudah login atau tidak.
2. Membuat batas pagination setiap page menampilkan 5 page.
3. Dan juga menyiapkan variabel filter\_param dan juga search sebagai tanda tanya, dan juga string kosong.
4. Kemudian membuat pagination untuk berapa data yang diambil.
5. Membuat fungsi atau program untuk membuat link redirect dari berbagai macam kemungkinan, ketika search kemudain sort, filter, dan juga ketika menampilkan berapa data.
6. Setiap kemungkinan tersebut saya menggunakan query logic agar tidak error, dan program teteap berjalan sesuai ekspetasi.
7. Ketika parameter dalam url maka akan merubah filter\_parameter, yang akan berganti seiring atau mengikuti url yang ada.
8. Search berada dalam nabar.
9. Kemudian juga dalam form ketika menampilkan berapa data dalam page, menggunakan input bertipe hidden agar url tetap ditempat.
10. Untuk filter tanggal juga sama seperti form memilih data yang ingin ditampilkan.
11. Menampilkan icon sorting yang menyesuaikan kondisi.
12. Menampilkan data menggunakan tag table.

13. Membuat link atau tombol untuk pagination.

### Hasil Running Program:

Admin   Home   Data Master ▾   Transaksi   Laporan					
Search...					
Menampilkan 5 ▾ data   Filter tanggal hh/bb/tttt sampai hh/bb/tttt Filter					
No	Id ▾	Tanggal ▾	Pelanggan Id ▾	Keterangan ▾	Total ▾
1.	21	2023-11-14	2	Mouse 1 yang bagus	Rp 60.000,00
2.	22	2023-11-13	2	lepi keren bang	Rp 850.000,00
3.	23	2023-11-12	7	keren hapenya	Rp 110.000,00
4.	24	2023-11-11	1	kurang mejanya	Rp 350.000,00
5.	25	2023-11-10	5	keren bangg	Rp 280.000,00
Menampilkan 1-5 data dari 5 data					
Previous 1 Next					