**LAPORAN TUGAS PRAKTIKUM**

**PENGEMBANGAN APLIKASI WEB**

**TP MODUL 10**

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**PRODI TEKNIK INFORMATIKA**

**JURUSAN TEKNIK INFORMATIKA  
FAKULTAS TEKNIK**

**UNIVERSITAS TRUNOJOYO MADURA**

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1. **Code Program**

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| 1. <?php 2. require 'koneksi.inc'; 3. session\_start(); 4. if (isset($\_GET['logout'])) { 5. session\_destroy(); 6. header("location: login.php"); 7. } 8. if (!isset($\_SESSION["username"])) { 9. header("location: login.php"); 10. } 11. $batas = 5; 12. $filter\_param = '?'; 13. $search = ''; 14. if (isset($\_GET['view'])){ 15. $batas = $\_GET['view']; 16. $filter\_param = "?view=$batas&"; 17. } 18. $hal = isset($\_GET['hal']) ? (int)$\_GET['hal'] : 1; 19. $hal\_awal = ($hal > 1) ? ($hal \* $batas) - $batas : 0; 20. $prev = $hal - 1; 21. $next = $hal + 1; 22. $data = mysqli\_query($koneksi, "SELECT \* FROM transaksi"); 23. $no = $hal\_awal + 1; 24. $result = mysqli\_query($koneksi, "SELECT \* FROM transaksi LIMIT $hal\_awal, $batas"); 25. if (isset($\_GET['tgl\_awal'])){ 26. $tgl\_awal = $\_GET['tgl\_awal']; 27. $tgl\_tujuan = $\_GET['tgl\_tujuan']; 28. $data = mysqli\_query($koneksi, "SELECT \* FROM transaksi WHERE waktu\_transaksi BETWEEN '$tgl\_awal' AND '$tgl\_tujuan'"); 29. $result = mysqli\_query($koneksi, "SELECT \* FROM transaksi WHERE waktu\_transaksi BETWEEN '$tgl\_awal' AND '$tgl\_tujuan' LIMIT $hal\_awal, $batas"); 30. $filter\_param = "?tgl\_awal=".$tgl\_awal."&tgl\_tujuan=".$tgl\_tujuan."&view=".$batas."&"; 31. } 32. if (isset($\_GET["search"])){ 33. $search = $\_GET["search"]; 34. $data = mysqli\_query($koneksi, "SELECT \* FROM transaksi WHERE 35. id LIKE '%$search%' OR 36. pelanggan\_id LIKE '%$search%' OR 37. waktu\_transaksi LIKE '%$search%' OR 38. keterangan LIKE '%$search%' OR 39. total LIKE '%$search%' 40. "); 41. $result = mysqli\_query($koneksi, "SELECT \* FROM transaksi WHERE 42. id LIKE '%$search%' OR 43. pelanggan\_id LIKE '%$search%' OR 44. waktu\_transaksi LIKE '%$search%' OR 45. keterangan LIKE '%$search%' OR 46. total LIKE '%$search%' 47. LIMIT $hal\_awal, $batas 48. "); 49. $searchQ = (isset($\_GET['search']) ? "WHERE 50. id LIKE '%$search%' OR 51. pelanggan\_id LIKE '%$search%' OR 52. waktu\_transaksi LIKE '%$search%' OR 53. keterangan LIKE '%$search%' OR 54. total LIKE '%$search%' 55. " : ""); 56. if (isset($\_GET['tgl\_awal'])){ 57. $data = mysqli\_query($koneksi, "SELECT \* FROM transaksi WHERE waktu\_transaksi BETWEEN '$tgl\_awal' AND '$tgl\_tujuan' AND 58. (id LIKE '%$search%' OR 59. pelanggan\_id LIKE '%$search%' OR 60. waktu\_transaksi LIKE '%$search%' OR 61. keterangan LIKE '%$search%' OR 62. total LIKE '%$search%'); 63. "); 64. $result = mysqli\_query($koneksi, "SELECT \* FROM transaksi WHERE waktu\_transaksi BETWEEN '$tgl\_awal' AND '$tgl\_tujuan' AND 65. (id LIKE '%$search%' OR 66. pelanggan\_id LIKE '%$search%' OR 67. waktu\_transaksi LIKE '%$search%' OR 68. keterangan LIKE '%$search%' OR 69. total LIKE '%$search%') 70. LIMIT $hal\_awal, $batas 71. "); 72. $searchQ = (isset($\_GET['tgl\_awal']) ? "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. $jumlah\_data = mysqli\_num\_rows($data); 81. $total\_hal = ceil($jumlah\_data / $batas); 82. // echo $\_SERVER['QUERY\_STRING']; 83. if (isset($\_GET['sort'])){ 84. $sort = $\_GET['sort']; 85. $kolom = $\_GET['s']; 86. if ($sort == "desc"){ 87. $result = mysqli\_query($koneksi, "SELECT \* FROM transaksi $searchQ ORDER BY $kolom DESC LIMIT $hal\_awal, $batas"); 88. } else { 89. $result = mysqli\_query($koneksi, "SELECT \* FROM transaksi $searchQ ORDER BY $kolom LIMIT $hal\_awal, $batas "); 90. } 91. } 92. if (isset($\_GET['search'])){ 93. $cari = $\_GET['search']; 94. $filter\_param = "?search=".$cari."&"; 95. if (isset($\_GET['hal'])){ 96. $p = $\_GET['hal']; 97. $filter\_param = "?search=".$cari."&"; 98. } 99. } 100. function rupiah($angka){ 101. $hasil\_rupiah = "Rp " . number\_format($angka,2,',','.'); 102. return $hasil\_rupiah; 103. } 104. ?> 105. <!DOCTYPE html> 106. <html lang="en"> 107. <head> 108. <meta charset="UTF-8"> 109. <meta name="viewport" content="width=device-width, initial-scale=1.0"> 110. <title>Dasboard</title> 111. <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN" crossorigin="anonymous"> 112. <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.1/font/bootstrap-icons.css"> 113. <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.11.2/font/bootstrap-icons.min.css"> 114. <script src="https://kit.fontawesome.com/47a76e5697.js" crossorigin="anonymous"></script> 115. </head> 116. <body> 117. <nav class="navbar navbar-expand-lg bg-body-tertiary"> 118. <div class="container"> 119. <a class="navbar-brand" href="#">Admin</a> 120. <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation"> 121. <span class="navbar-toggler-icon"></span> 122. </button> 123. <div class="collapse navbar-collapse" id="navbarNavAltMarkup" aria-expanded="false"> 124. <ul class="nav navbar-nav me-auto"> 125. <a class="nav-link" aria-current="page" href="index.php">Home</a> 126. <?php if($\_SESSION["level"] == "1") { ?> 127. <li class="nav-item dropdown"> 128. <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown" aria-expanded="false"> 129. Data Master 130. </a> 131. <ul class="dropdown-menu"> 132. <li><a class="dropdown-item" href="#">Action</a></li> 133. <li><a class="dropdown-item" href="#">Another action</a></li> 134. <li><a class="dropdown-item" href="#">Something else here</a></li> 135. </ul> 136. </li> 137. <?php } ?> 138. <a class="nav-link active" href="transaksi.php">Transaksi</a> 139. <a class="nav-link" href="#">Laporan</a> 140. </ul> 141. <ul class="nav navbar-nav d-flex"> 142. <li class="me-4"> 143. <form method="get" action=""> 144. <div class="input-group"> 145. <input type="text" name="search" class="form-control" placeholder="Search..." autocomplete="off"> 146. <button class="btn btn-secondary" type="submit"><i class="bi bi-search"></i></button> 147. </div> 148. </form> 149. </li> 150. <li class="nav-item dropdown"> 151. <a class="dropdown-toggle nav-link" role="button" data-bs-toggle="dropdown" aria-expanded="false" aria-haspopup="true"> 152. <i class="bi bi-person-fill"></i> 153. <?= $\_SESSION["username"] ?> 154. </a> 155. <ul class="dropdown-menu dropdown-menu-end"> 156. <li> 157. <a class="dropdown-item" href="?logout" class="ms-4"> 158. <i class="bi bi-box-arrow-left"></i> 159. Logout 160. </a> 161. </li> 162. </ul> 163. </li> 164. </ul> 165. </div> 166. </div> 167. </nav> 168. <div class="container mt-2"> 169. <div class="row"> 170. <div class="col-3"> 171. <form method="get" action=""> 172. <div class="input-group input-group-sm mb-3"> 173. <?php if (isset($\_GET['search'])): ?> 174. <input type="hidden" name="search" value="<?=$search?>"> 175. <?php endif ?> 176. <?php if (isset($\_GET['tgl\_awal'])): ?> 177. <input type="hidden" name="tgl\_awal" value="<?=$tgl\_awal?>"> 178. <input type="hidden" name="tgl\_tujuan" value="<?=$tgl\_tujuan?>"> 179. <?php endif ?> 180. <?php if (isset($\_GET['s'])): ?> 181. <input type="hidden" name="s" value="<?=$\_GET['s']?>"> 182. <input type="hidden" name="sort" value="<?=$\_GET['sort']?>"> 183. <?php endif ?> 184. <span class="input-group-text">Menampilkan</span> 185. <select class="form-select" name="view" onchange="this.form.submit()"> 186. <?php 187. $val = [5, 10, 20, 25]; 188. foreach($val as $key): ?> 189. <option <?= (isset($\_GET["view"]) && $\_GET["view"] == $key) ? "selected" : "" ?> value="<?=$key?>"><?=$key?></option> 190. <?php endforeach; ?> 191. </select> 192. <span class="input-group-text">data</span> 193. </div> 194. </form> 195. </div> 196. <div class="col-5"> 197. <form method="get" action=''> 198. <div class="input-group input-group-sm mb-3"> 199. <?php if (isset($\_GET['search'])): ?> 200. <input type="hidden" class="form-control" name="search" value="<?=$\_GET['search']?>"> 201. <?php endif ?> 202. <span class="input-group-text">Filter tanggal</span> 203. <input type="date" class="form-control" name="tgl\_awal"> 204. <span class="input-group-text">sampai</span> 205. <input type="date" class="form-control" name="tgl\_tujuan"> 206. <?php if (isset($\_GET['view'])): ?> 207. <input type="hidden" name="view" value="<?=$\_GET['view']?>"> 208. <?php endif ?> 209. <button class="btn btn-secondary" type="submit">Filter</button> 210. </div> 211. </form> 212. </div> 213. <div class="row"> 214. <div class="col"> 215. <?php if(mysqli\_num\_rows($result) > 0){ ?> 216. <table id="example" class="table table-bordered table-hover"> 217. <thead> 218. <tr class="table-secondary"> 219. <th width=5%> 220. No 221. </th> 222. <th width=6%> 223. Id 224. <?php if (!isset($\_GET['sort']) || $\_GET['sort'] == 'desc' && $\_GET['s'] == "id") : ?> 225. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=id&sort=asc"><i class="fa-solid fa-sort-down"></i></a> 226. <?php else : ?> 227. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=id&sort=desc"><i class="fa-solid fa-sort-up"></i></a> 228. <?php endif ?> 229. </th> 230. <th width=13%> 231. Tanggal 232. <?php if (!isset($\_GET['sort']) || $\_GET['sort'] == 'desc' && $\_GET['s'] == "waktu\_transaksi") : ?> 233. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=waktu\_transaksi&sort=asc"><i class="fa-solid fa-sort-down"></i></a> 234. <?php else : ?> 235. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=waktu\_transaksi&sort=desc"><i class="fa-solid fa-sort-up"></i></a> 236. <?php endif ?> 237. </th> 238. <th width=13%> 239. Pelanggan Id 240. <?php if (!isset($\_GET['sort']) || $\_GET['sort'] == 'desc' && $\_GET['s'] == "pelanggan\_id") : ?> 241. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=pelanggan\_id&sort=asc"><i class="fa-solid fa-sort-down"></i></a> 242. <?php else : ?> 243. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=pelanggan\_id&sort=desc"><i class="fa-solid fa-sort-up"></i></a> 244. <?php endif ?> 245. </th> 246. <th scope="col"> 247. Keterangan 248. <?php if (!isset($\_GET['sort']) || $\_GET['sort'] == 'desc' && $\_GET['s'] == "keterangan") : ?> 249. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=keterangan&sort=asc"><i class="fa-solid fa-sort-down"></i></a> 250. <?php else : ?> 251. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=keterangan&sort=desc"><i class="fa-solid fa-sort-up"></i></a> 252. <?php endif ?> 253. </th> 254. <th width=14%> 255. Total 256. <?php if (!isset($\_GET['sort']) || $\_GET['sort'] == 'desc' && $\_GET['s'] == "total") : ?> 257. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=total&sort=asc"><i class="fa-solid fa-sort-down"></i></a> 258. <?php else : ?> 259. <a href="<?= (!$\_SERVER['QUERY\_STRING']) ? "?" : $filter\_param ?>s=total&sort=desc"><i class="fa-solid fa-sort-up"></i></a> 260. <?php endif ?> 261. </th> 262. </tr> 263. </thead> 264. <tbody> 265. <?php foreach ($result as $row) : ?> 266. <tr> 267. <td><?= $no++ ?>.</td> 268. <td><?= $row['id'] ?></td> 269. <td><?= $row['waktu\_transaksi'] ?></td> 270. <td><?= $row['pelanggan\_id'] ?></td> 271. <td><?= $row['keterangan'] ?></td> 272. <td><?= rupiah($row['total']) ?></td> 273. </tr> 274. <?php endforeach; ?> 275. </tbody> 276. </table> 277. </div> 278. <?php } else {echo "<h3>Data tidak ditemukan</h3>";}?> 279. </div> 280. <?php if(mysqli\_num\_rows($result) > 0){ ?> 281. <nav class="text-center"> 282. <span>Menampilkan <?=$hal\_awal+1 ."-". $no-1?> data dari <?=mysqli\_num\_rows($data)?> data</span> 283. <ul class="pagination justify-content-center mt-3"> 284. <li class="page-item <?= ($hal <= 1) ? "disabled" : ''; ?>"> 285. <a class="page-link" href='<?=(!$\_SERVER['QUERY\_STRING'] ? "?" : $filter\_param)?><?= (isset($\_GET['sort'])) ? "s=".$kolom."&sort=".$sort."&" : "" ?>hal=<?= $prev ?>'>Previous</a> 286. </li> 287. <?php for ($x = 1; $x <= $total\_hal; $x++) { ?> 288. <li class="page-item <?= ($hal == $x) ? "active" : ''; ?>"> 289. <a class="page-link" href='<?=(!$\_SERVER['QUERY\_STRING'] ? "?" : $filter\_param)?><?= (isset($\_GET['sort'])) ? "s=".$kolom."&sort=".$sort."&" : "" ?>hal=<?= $x ?>'><?= $x ?></a> 290. </li> 291. <?php } ?> 292. <li class="page-item <?= ($hal >= $total\_hal) ? "disabled" : ''; ?>"> 293. <a class="page-link" href='<?=(!$\_SERVER['QUERY\_STRING'] ? "?" : $filter\_param)?><?= (isset($\_GET['sort'])) ? "s=".$kolom."&sort=".$sort."&" : "" ?>hal=<?= $next ?>'>Next</a> 294. </li> 295. </ul> 296. </nav> 297. <?php } else {echo "<span>Menampilkan 0 hasil</span>";}?> 298. </div> 299. <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> 300. <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.min.js" integrity="sha384-BBtl+eGJRgqQAUMxJ7pMwbEyER4l1g+O15P+16Ep7Q9Q+zqX6gSbd85u4mG4QzX+" crossorigin="anonymous"></script> 301. </body> 302. </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:**

