

LAPORAN

TUGAS MATA KULIAH
PEMROGRAMAN WEB I
SEMESTER IV



Tugas 5 - Perulangan

Oleh:

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INSTITUT TEKNOLOGI MOJOSARI
NGANJUK
2025

Perulangan

1. Membuat *Card* untuk menyajikan dan menampilkan laporan proyek mengenai Perulangan pada Modul 5

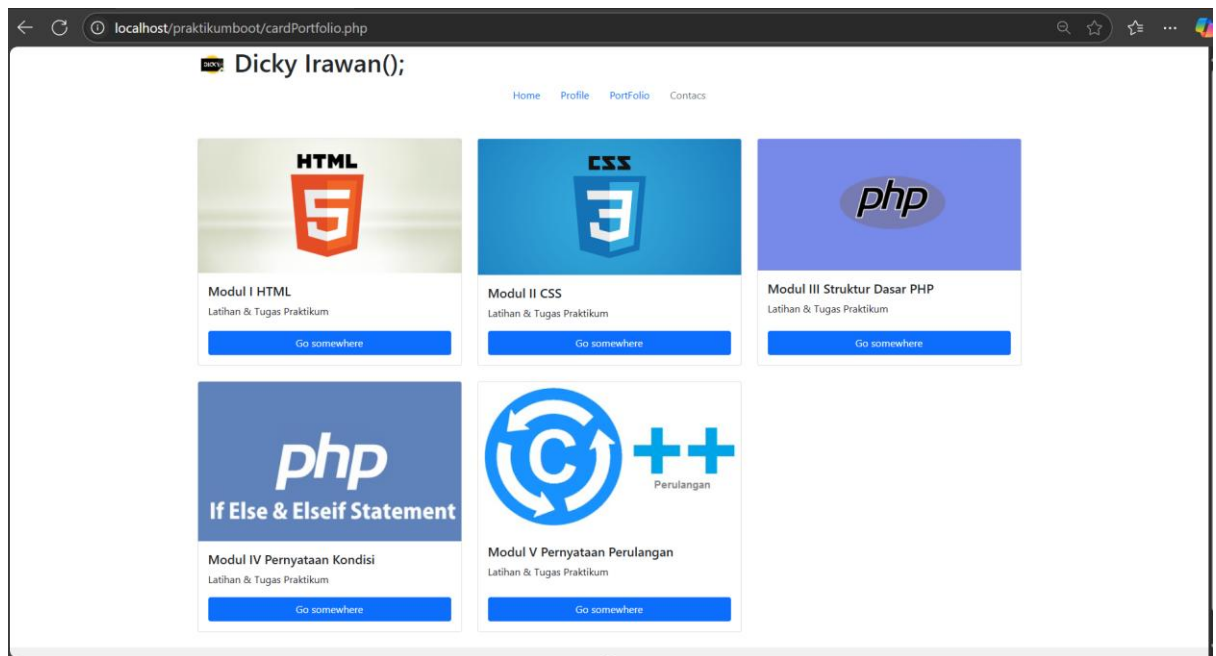
1) Membuat Card

```

1 <?php include('header.php'); ?>
2
3 <div class="container mt-5">
4   <div class="row">
5     <!-- Card 1 -->
6     <div class="col-md-4 mb-4">
7       <div class="card" style="height: 100%;">
8         
9         <div class="card-body d-flex flex-column">
10          <h5 class="card-title">Modul I HTML</h5>
11          <p class="card-text">Latihan & Tugas Praktikum</p>
12          <a href="portfolioHTML.php" class="btn btn-primary mt-auto">Go somewhere</a>
13        </div>
14      </div>
15    </div>
16
17    <!-- Card 2 -->
18    <div class="col-md-4 mb-4">
19      <div class="card" style="height: 100%;">
20        
21        <div class="card-body d-flex flex-column">
22          <h5 class="card-title">Modul II CSS</h5>
23          <p class="card-text">Latihan & Tugas Praktikum</p>
24          <a href="portfolioCSS.php" class="btn btn-primary mt-auto">Go somewhere</a>
25        </div>
26      </div>
27    </div>
28
29    <!-- Card 3 -->
30    <div class="col-md-4 mb-4">
31      <div class="card" style="height: 100%;">
32        
33        <div class="card-body d-flex flex-column">
34          <h5 class="card-title">Modul III Struktur Dasar PHP</h5>
35          <p class="card-text">Latihan & Tugas Praktikum</p>
36          <a href="portfolio.php" class="btn btn-primary mt-auto">Go somewhere</a>
37        </div>
38      </div>
39    </div>
40
41    <!-- Card 4 -->
42    <div class="col-md-4 mb-4">
43      <div class="card" style="height: 100%;">
44        
45        <div class="card-body d-flex flex-column">
46          <h5 class="card-title">Modul IV Pernyataan Kondisi</h5>
47          <p class="card-text">Latihan & Tugas Praktikum</p>
48          <a href="portfolioKondisi.php" class="btn btn-primary mt-auto">Go somewhere</a>
49        </div>
50      </div>
51    </div>
52
53    <!-- Card 5 -->
54    <div class="col-md-4 mb-4">
55      <div class="card" style="height: 100%;">
56        
57        <div class="card-body d-flex flex-column">
58          <h5 class="card-title">Modul V Pernyataan Perulangan</h5>
59          <p class="card-text">Latihan & Tugas Praktikum</p>
60          <a href="portfolioPerulangan.php" class="btn btn-primary mt-auto">Go somewhere</a>
61        </div>
62      </div>
63    </div>
64  </div>
65 </div>
66
67 <?php include('footer.php'); ?>
68
69 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.5/dist/js/bootstrap.bundle.min.js" integrity="sha384-k6d4uzf5pyg0v91kpoU366/PSHc45bCGR0wv1ep10Q7ydy1fbcAu90UJ5zHL1q" crossorigin="anonymous"></script>
70 </html>
71

```

Hasil Program



Card ini berfungsi untuk mengelompokkan latihan praktikum dan tugas yang berkaitan dengan setiap modul Pemrograman Web I. Setiap card mewakili latihan praktikum dan tugas yang telah diajarkan dalam setiap modul.

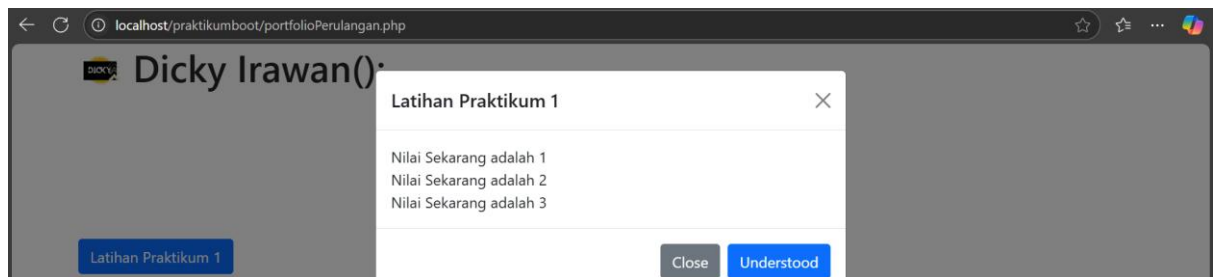
2. Latihan Praktikum Perulangan

1) Latihan Praktikum Pertama

```

1 <?php include("header.php"); ?>
2
3 <div class="container mt-5">
4   <!-- Section Title for latihan Praktikum -->
5   <h2 class="text-center mb-4">Latihan Praktikum</h2>
6
7   <!-- Button trigger modal - Latihan Praktikum 1 -->
8   <div class="mb-3">
9     <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#LatihanPraktikum1">
10      Latihan Praktikum 1
11    </button>
12  </div>
13
14  <!-- Modal - Latihan Praktikum 1 -->
15  <div class="modal fade" id="LatihanPraktikum1" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
16    <div class="modal-dialog">
17      <div class="modal-content">
18        <div class="modal-header">
19          <h1 class="modal-title fs-5" id="staticBackdropLabel">Latihan Praktikum 1</h1>
20          <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
21        </div>
22        <div class="modal-body">
23          <?php
24            $bil = 1;
25            while ($bil <= 3) {
26              echo "Nilai Sekarang adalah $bil <br>";
27              $bil++;
28            }
29          <?>
30        </div>
31        <div class="modal-footer">
32          <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
33          <button type="button" class="btn btn-primary">Understood</button>
34        </div>
35      </div>
36    </div>
37  </div>
  
```

Hasil Program



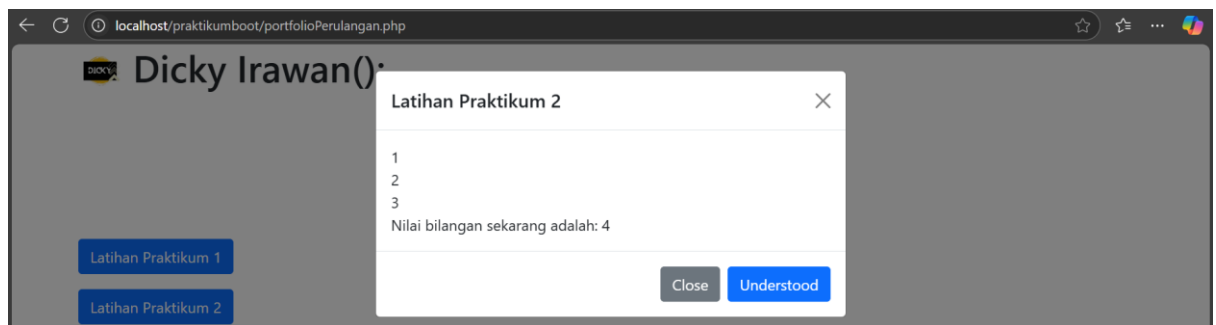
2) Latihan Praktikum Kedua

```

39 <!-- Button trigger modal - Latihan Praktikum 2 -->
40 <div class="mb-3">
41   <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#Praktikum2">
42     Latihan Praktikum 2
43   </button>
44 </div>
45
46 <!-- Modal - Latihan Praktikum 2 -->
47 <div class="modal fade" id="Praktikum2" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
48   <div class="modal-dialog">
49     <div class="modal-content">
50       <div class="modal-header">
51         <h1 class="modal-title fs-5" id="staticBackdropLabel">Latihan Praktikum 2</h1>
52         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
53       </div>
54       <div class="modal-body">
55         <?php
56           $bil = 1;
57           while ($bil <= 3) {
58             echo $bil . "<br />";
59             $bil++;
60           }
61           echo "Nilai bilangan sekarang adalah: $bil";
62         </?php>
63       </div>
64       <div class="modal-footer">
65         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
66         <button type="button" class="btn btn-primary">Understood</button>
67       </div>
68     </div>
69   </div>
70 </div>

```

Hasil Program



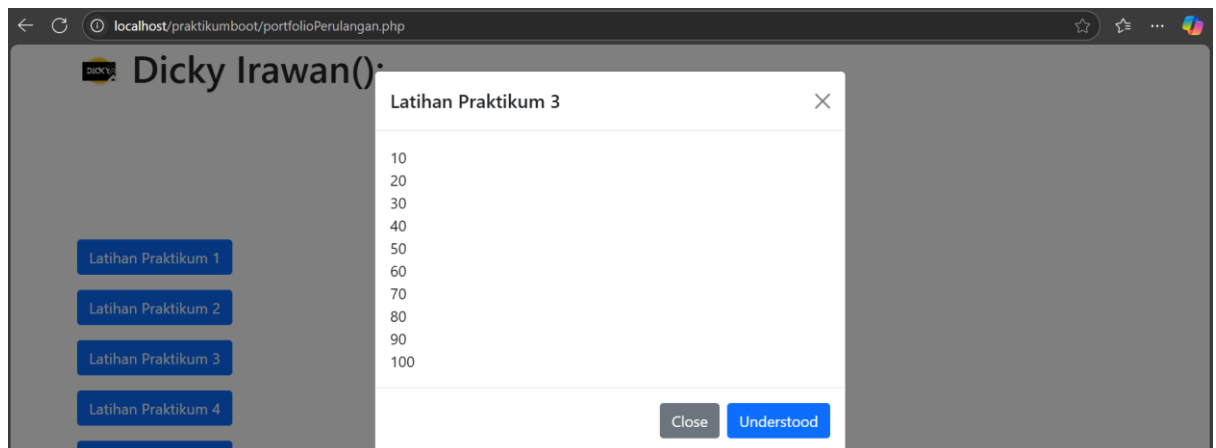
3) Latihan Praktikum Ketiga

```

74 <!-- Button trigger modal - Latihan Praktikum 3 -->
75 <div class="mb-3">
76   <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#Praktikum3">
77     Latihan Praktikum 3
78   </button>
79 </div>
80
81 <!-- Modal - Latihan Praktikum 3 -->
82 <div class="modal fade" id="Praktikum3" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
83   <div class="modal-dialog">
84     <div class="modal-content">
85       <div class="modal-header">
86         <h1 class="modal-title fs-5" id="staticBackdropLabel">Latihan Praktikum 3</h1>
87         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
88       </div>
89       <div class="modal-body">
90         <?php
91           $bil = 5;
92           while ($bil <= 100) {
93             if ($bil % 10 == 0) echo $bil . "<br />";
94             $bil++;
95           }
96         <?>
97       </div>
98       <div class="modal-footer">
99         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
100        <button type="button" class="btn btn-primary">Understood</button>
101      </div>
102    </div>
103  </div>
104 </div>

```

Hasil Program



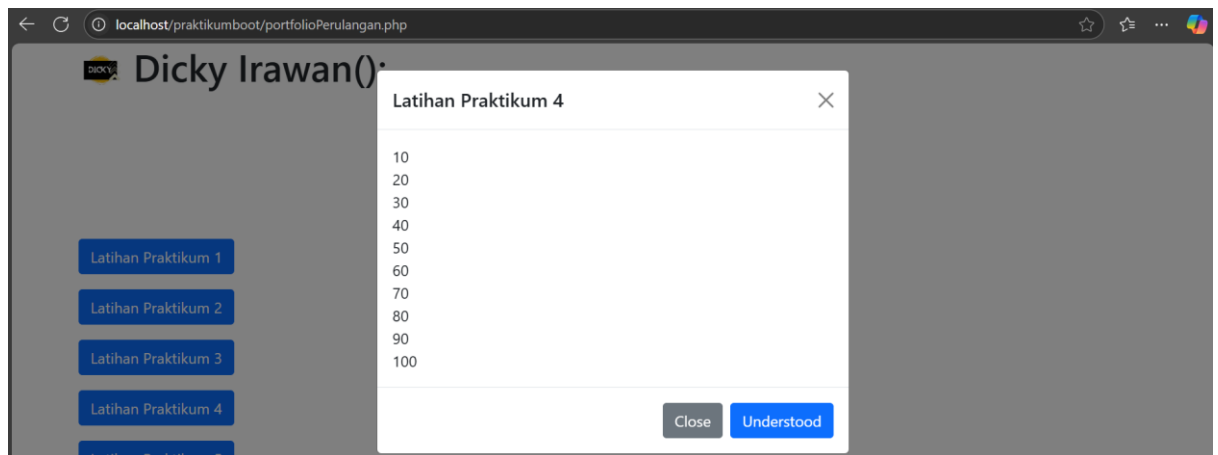
4) Latihan Praktikum Keempat

```

108 <!-- Button trigger modal - Latihan Praktikum 4 -->
109 <div class="mb-3">
110   <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#Praktikum4">
111     | Latihan Praktikum 4
112   </button>
113 </div>
114
115 <!-- Modal - Latihan Praktikum 4 -->
116 <div class="modal fade" id="Praktikum4" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
117   <div class="modal-dialog">
118     <div class="modal-content">
119       <div class="modal-header">
120         <h1 class="modal-title fs-5" id="staticBackdropLabel">Latihan Praktikum 4</h1>
121         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
122       </div>
123       <div class="modal-body">
124         <?php
125           $bil = 5;
126           while ($bil <= 100) {
127             if ($bil % 10 == 0) echo $bil . "<br />";
128             $bil++;
129           }
130         </?php>
131       </div>
132       <div class="modal-footer">
133         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
134         <button type="button" class="btn btn-primary">Understood</button>
135       </div>
136     </div>
137   </div>
138 </div>

```

Hasil Program



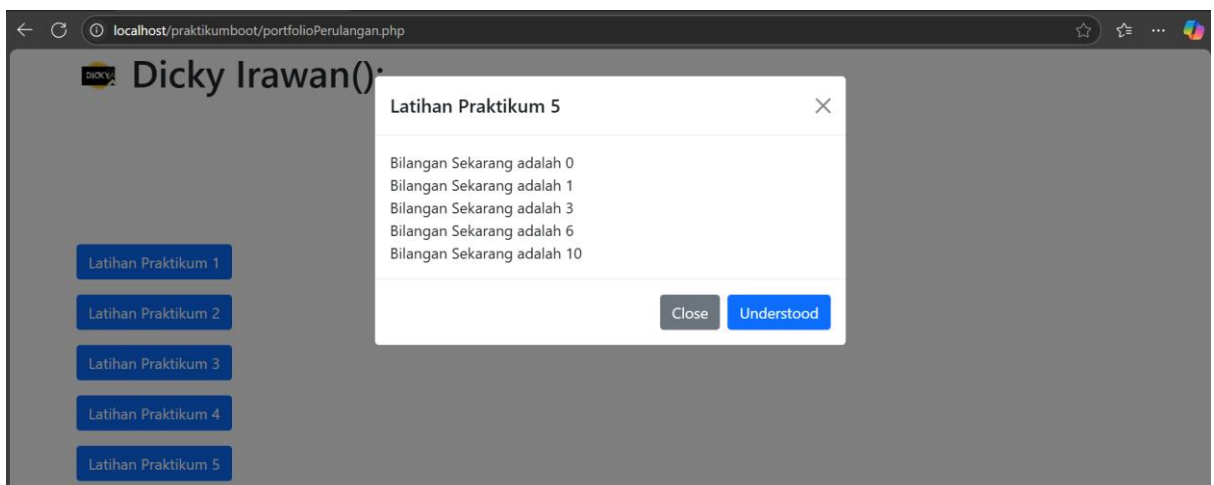
5) Latihan Praktikum Kelima

```

142 <!-- Button trigger modal - Latihan Praktikum 5 -->
143 <div class="mb-3">
144   <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#Praktikum5">
145     | Latihan Praktikum 5
146   </button>
147 </div>
148
149 <!-- Modal - Latihan Praktikum 5 -->
150 <div class="modal fade" id="Praktikum5" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
151   <div class="modal-dialog">
152     <div class="modal-content">
153       <div class="modal-header">
154         <h1 class="modal-title fs-5" id="staticBackdropLabel">Latihan Praktikum 5</h1>
155         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
156       </div>
157       <div class="modal-body">
158         <?php
159           $bilangan = 0;
160           for ($a = 1; $a <= 5; $a++) {
161             echo "Bilangan Sekarang adalah $bilangan <br>";
162             $bilangan = $bilangan + $a;
163           }
164         <?>
165       </div>
166       <div class="modal-footer">
167         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
168         <button type="button" class="btn btn-primary">Understood</button>
169       </div>
170     </div>
171   </div>
172 </div>

```

Hasil Program



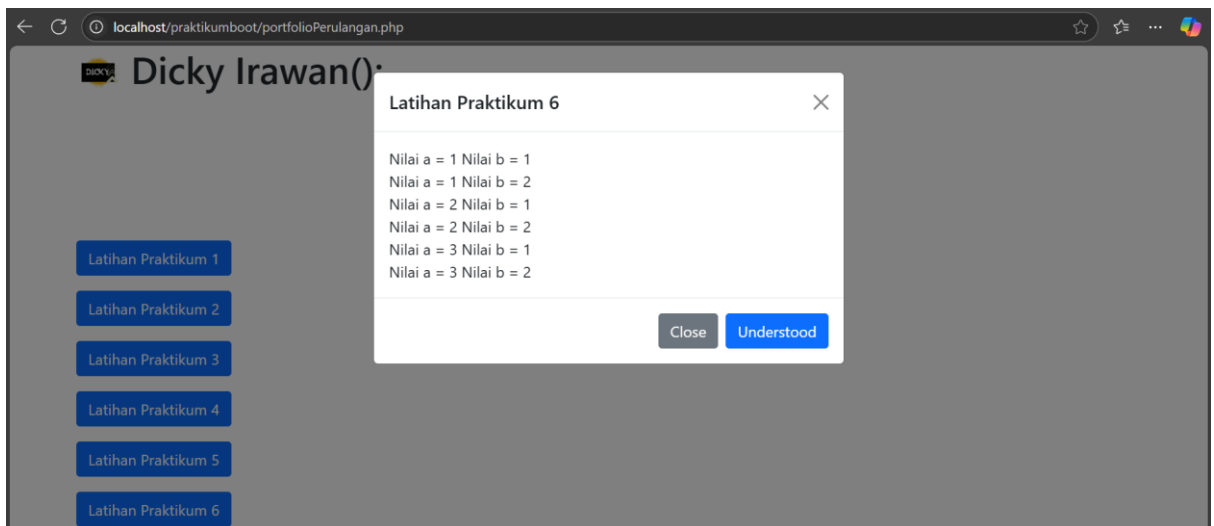
6) Latihan Praktikum Keenam

```

182 <!-- Modal - Latihan Praktikum 6 -->
183 <div class="modal fade" id="Praktikum6" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
184 <div class="modal-dialog">
185 <div class="modal-content">
186 <div class="modal-header">
187 <h1 class="modal-title fs-5" id="staticBackdropLabel">Latihan Praktikum 6</h1>
188 <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
189 </div>
190 <div class="modal-body">
191 <?php
192 for ($a = 1; $a <= 3; $a++) {
193 for ($b = 1; $b <= 2; $b++) {
194 echo "Nilai a = " . $a . " Nilai b = " . $b . "<br />";
195 }
196 }
197 ?>
198 </div>
199 <div class="modal-footer">
200 <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
201 <button type="button" class="btn btn-primary">Understood</button>
202 </div>
203 </div>
204 </div>
205 </div>

```

Hasil Program



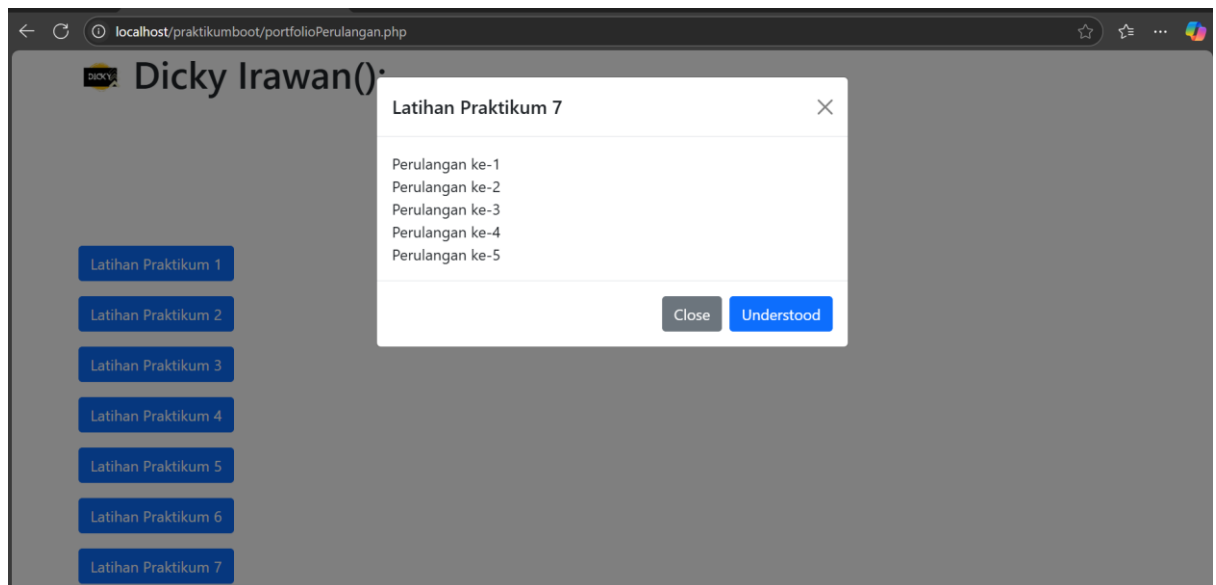
7) Latihan Praktikum Ketujuh

```

208 <!-- Button trigger modal - Latihan Praktikum 7 -->
209 <div class="mb-3">
210   <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#Praktikum7">
211     Latihan Praktikum 7
212   </button>
213 </div>
214
215 <!-- Modal - Latihan Praktikum 7 -->
216 <div class="modal fade" id="Praktikum7" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
217   <div class="modal-dialog">
218     <div class="modal-content">
219       <div class="modal-header">
220         <h1 class="modal-title fs-5" id="staticBackdropLabel">Latihan Praktikum 7</h1>
221         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
222       </div>
223       <div class="modal-body">
224         <?php
225           $d = 1;
226           do {
227             echo "Perulangan ke-$d <br>";
228             $d++;
229           } while ($d <= 5);
230         <?>
231       </div>
232       <div class="modal-footer">
233         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
234         <button type="button" class="btn btn-primary">Understood</button>
235       </div>
236     </div>
237   </div>
238 </div>

```

Hasil Program



3. Tugas Praktikum Perulangan

- 1) Buatlah program menggunakan pernyataan perulangan untuk menampilkan bilangan bulat 5 s/d 100 yang berkelipatan 10.

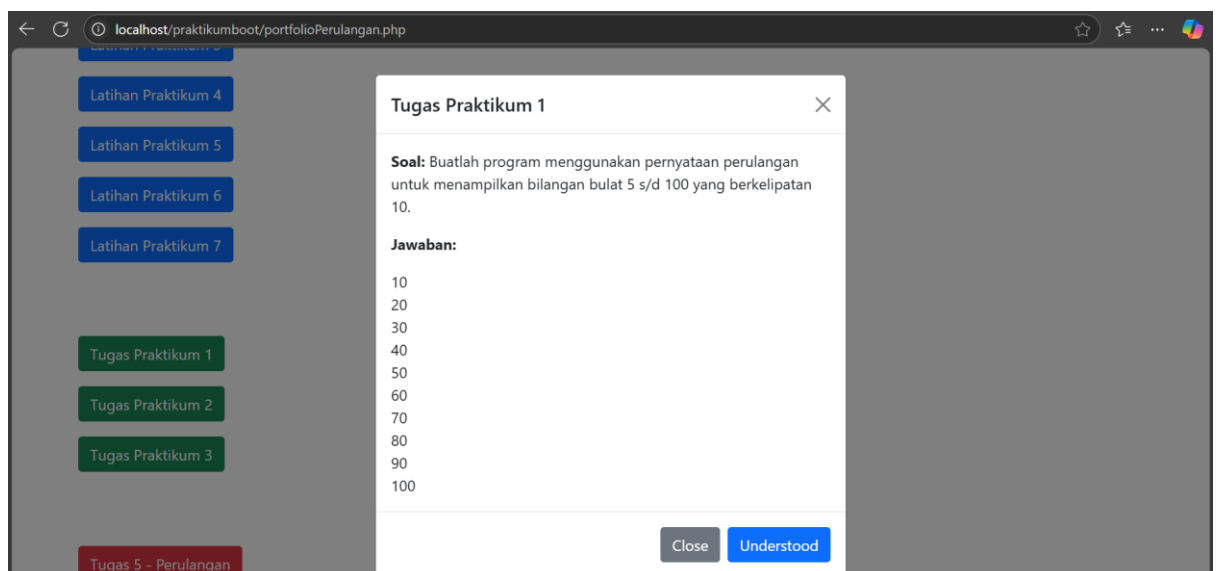
➔ Jawaban :

```

241 <!-- Section Title for Tugas Praktikum -->
242 <h2 class="text-center mb-4">Tugas Praktikum</h2>
243
244 <!-- Button trigger modal - Tugas Praktikum 1 -->
245 <div class="mb-3">
246   <button type="button" class="btn btn-success" data-toggle="modal" data-bs-target="#TugasPraktikum1">
247     Tugas Praktikum 1
248   </button>
249 </div>
250
251 <!-- Modal Tugas Praktikum 1 -->
252 <div class="modal fade" id="TugasPraktikum1" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
253   <div class="modal-dialog">
254     <div class="modal-content">
255       <div class="modal-header">
256         <h1 class="modal-title fs-5" id="staticBackdropLabel">Tugas Praktikum 1</h1>
257         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
258       </div>
259       <div class="modal-body">
260         <p><strong>Soal:</strong> Buatlah program menggunakan pernyataan perulangan untuk menampilkan bilangan bulat 5 s/d 100 yang berkelipatan 10.</p>
261         <p><strong>Jawaban:</strong></p>
262
263         <?php
264           for ($i = 10; $i <= 100; $i += 10) {
265             echo $i . "<br>";
266           }
267         <?>
268       </div>
269       <div class="modal-footer">
270         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
271         <button type="button" class="btn btn-primary">Understood</button>
272       </div>
273     </div>
274   </div>
275 </div>

```

Hasil Program



2) Buatlah program menggunakan pernyataan perulangan untuk menjumlahkan bilangan 2 s/d 50.

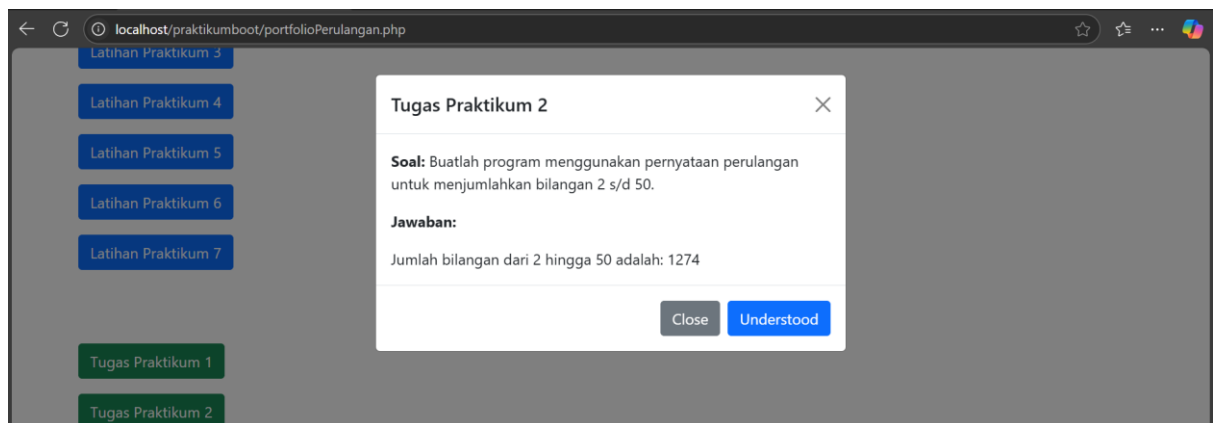
→ Jawaban :

```

280 <!-- Button trigger modal - Tugas Praktikum 2 -->
281 <div class="mb-3">
282   <button type="button" class="btn btn-success" data-bs-toggle="modal" data-bs-target="#TugasPraktikum2">
283     Tugas Praktikum 2
284   </button>
285 </div>
286
287 <!-- Modal Tugas Praktikum 2 -->
288 <div class="modal fade" id="TugasPraktikum2" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
289   <div class="modal-dialog">
290     <div class="modal-content">
291       <div class="modal-header">
292         <h1 class="modal-title fs-5" id="staticBackdropLabel">Tugas Praktikum 2</h1>
293         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
294       </div>
295       <div class="modal-body">
296         <p><strong>Soal:</strong> Buatlah program menggunakan pernyataan perulangan untuk menjumlahkan bilangan 2 s/d 50.</p>
297         <p><strong>Jawaban:</strong></p>
298         <div style="margin-top: 5px;">
299           <?php
300             $jumlah = 0;
301             for ($i = 2; $i <= 50; $i++) {
302               $jumlah += $i;
303             }
304             echo "Jumlah bilangan dari 2 hingga 50 adalah: " . $jumlah;
305           <?>
306         </div>
307       </div>
308       <div class="modal-footer">
309         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
310         <button type="button" class="btn btn-primary">Understood</button>
311       </div>
312     </div>
313   </div>
314 </div>

```

Hasil Program



- 3) Buatlah program menggunakan pernyataan perulangan untuk mencari banyaknya bilangan bulat mulai dari 3 s/d 127 yang merupakan kelipatan 6.

➔Jawaban :

```

320 <!-- Button trigger modal - Tugas Praktikum 3 -->
321 <div class="mb-3">
322   <button type="button" class="btn btn-success" data-bs-toggle="modal" data-bs-target="#TugasPraktikum3">
323     Tugas Praktikum 3
324   </button>
325 </div>
326
327 <!-- Modal Tugas Praktikum 3 -->
328 <div class="modal fade" id="TugasPraktikum3" data-bs-backdrop="static" data-bs-keyboard="false" tabindex="-1" aria-labelledby="staticBackdropLabel" aria-hidden="true">
329   <div class="modal-dialog">
330     <div class="modal-content">
331       <div class="modal-header">
332         <h1 class="modal-title fs-5" id="staticBackdropLabel">Tugas Praktikum 3</h1>
333         <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
334       </div>
335       <div class="modal-body">
336         <p><strong>Soal:</strong> Buatlah program menggunakan pernyataan perulangan untuk mencari banyaknya bilangan bulat mulai dari 3 s/d 127 yang merupakan kelipatan 6.</p>
337         <p><strong>Jawaban:</strong></p>
338         <div style="margin-top: 5px;">
339           <?php
340             $hitung = 0;
341
342             for ($i = 3; $i <= 127; $i++) {
343               if ($i % 6 == 0) {
344                 $hitung++;
345               }
346             }
347
348             echo "Banyaknya bilangan kelipatan 6 antara 3 dan 127 adalah: " . $hitung;
349           ?>
350         </div>
351       </div>
352       <div class="modal-footer">
353         <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
354         <button type="button" class="btn btn-primary">Understood</button>
355       </div>
356     </div>
357   </div>
358 </div>

```

Hasil Program

