

**LAPORAN PRAKTIKUM
DESAIN PEMROGRAMAN WEB
MINGGU 10**



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**PROGRAM STUDI S1 SISTEM INFORMASI
FAKULTAS INFORMATIKA
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2021**

Pembahasan

1. Pengertian PHP

- PHP merupakan singkatan dari PHP: Hypertext Preprocessor yaitu server-side scripting language.
- Skrip PHP dieksekusi di server dan hasilnya dikirimkan ke client (browser).
- PHP mendukung berbagai jenis database.
- (contoh : MySQL, Informix, Oracle, Sybase, Solid, PostgreSQL, Generic ODBC, dll.)
- PHP merupakan perangkat lunak open source.
- PHP dapat di-download dan digunakan secara gratis.

2. File PHP

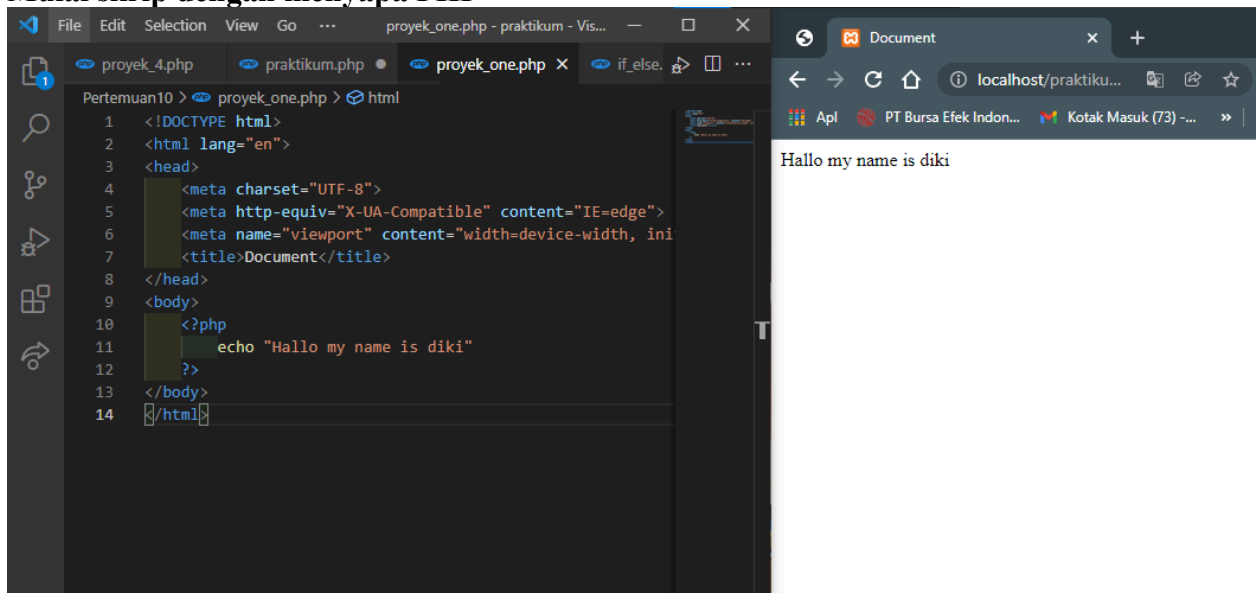
- File PHP dapat terdiri dari teks, tag dan skrip HTML.
- File PHP akan dikirimkan ke browser sebagai plain HTML.
- File PHP dapat berekstensi “.php”, “.php3”, atau “.phtml”

3. Alasan Menggunakan PHP

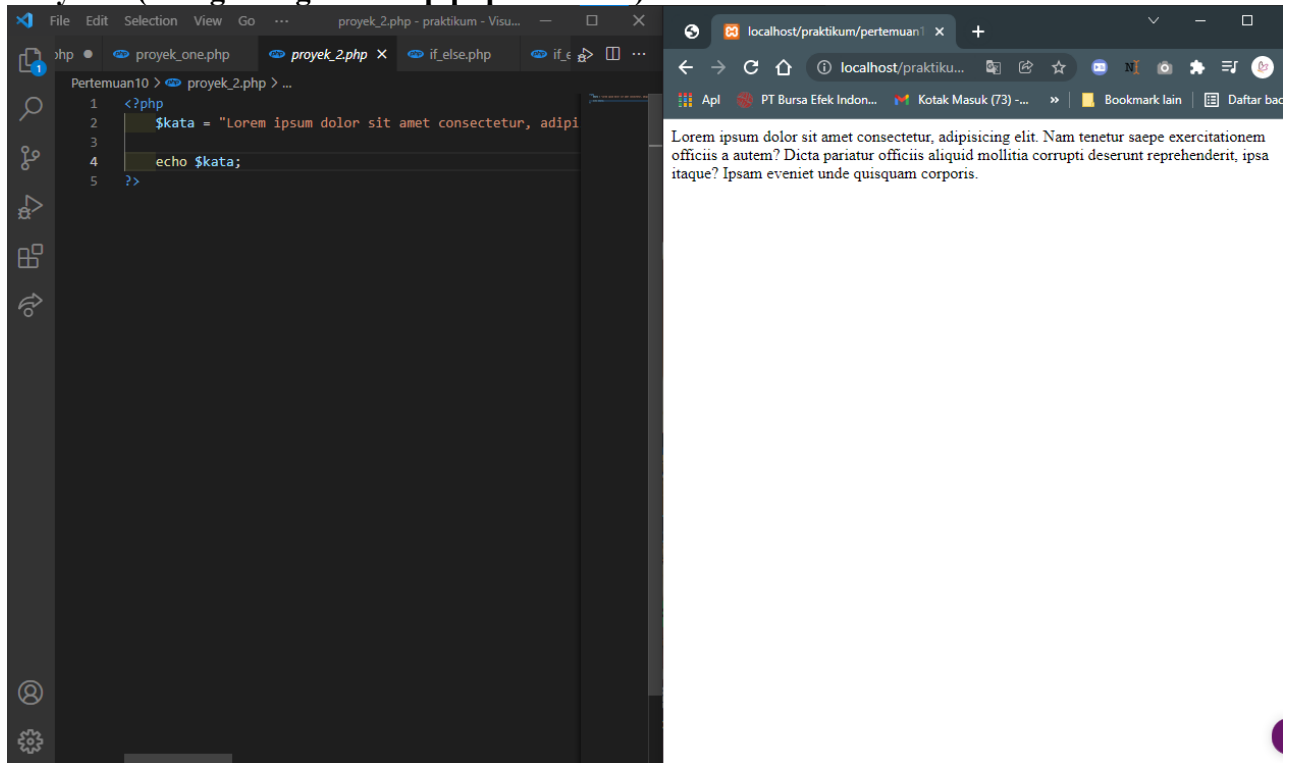
- PHP dapat berjalan pada bermacam platforms (Windows, Linux, Unix, dll.).
- PHP kompatibel (mampu bekerja) dengan hampir semua server web yang ada (Apache, IIS, etc.).
- PHP dapat di-download secara gratis dari situs resminya: www.php.net
- PHP mudah dipelajari dan berjalan secara efisien di server web.

Praktikum

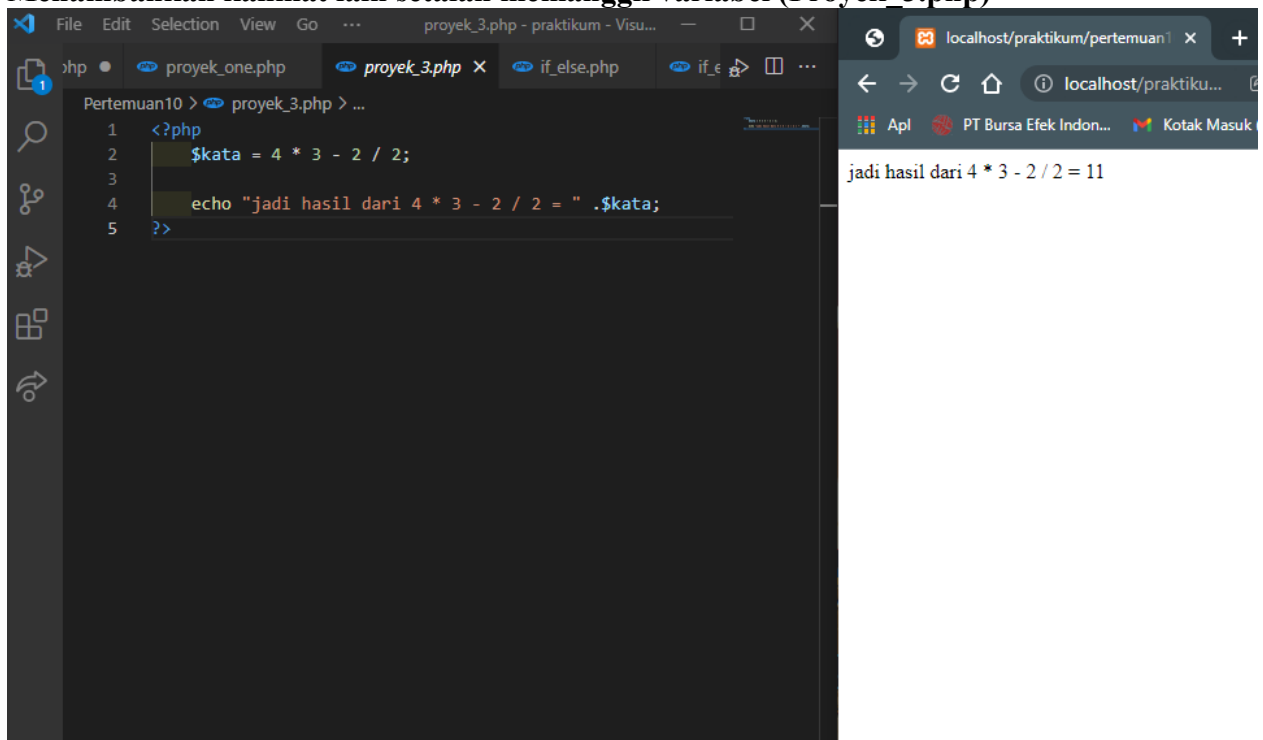
1. Mulai skrip dengan menyapa PHP



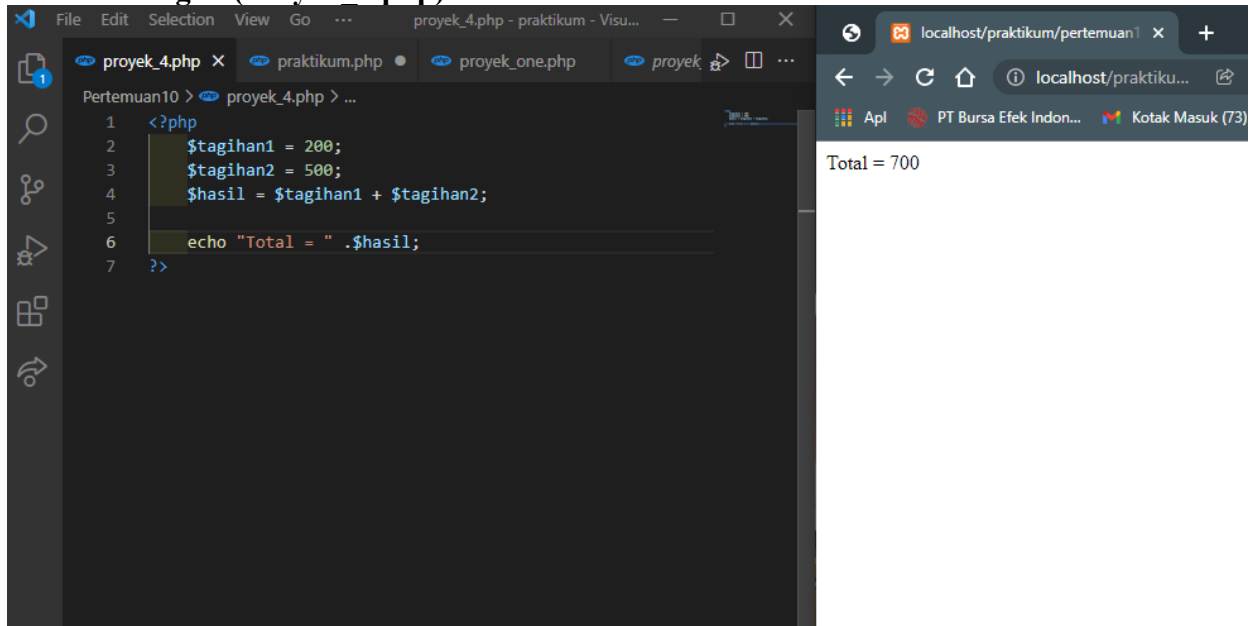
2. Proyek 2 (Mengabungkan skrip php dan html)



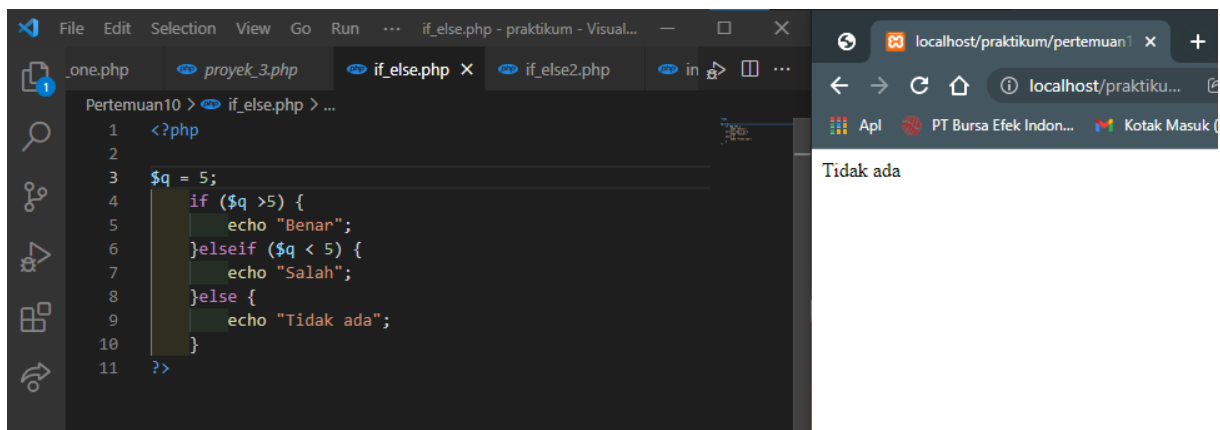
3. Menambahkan kalimat lain setelah memanggil variabel (Proyek 3.php)



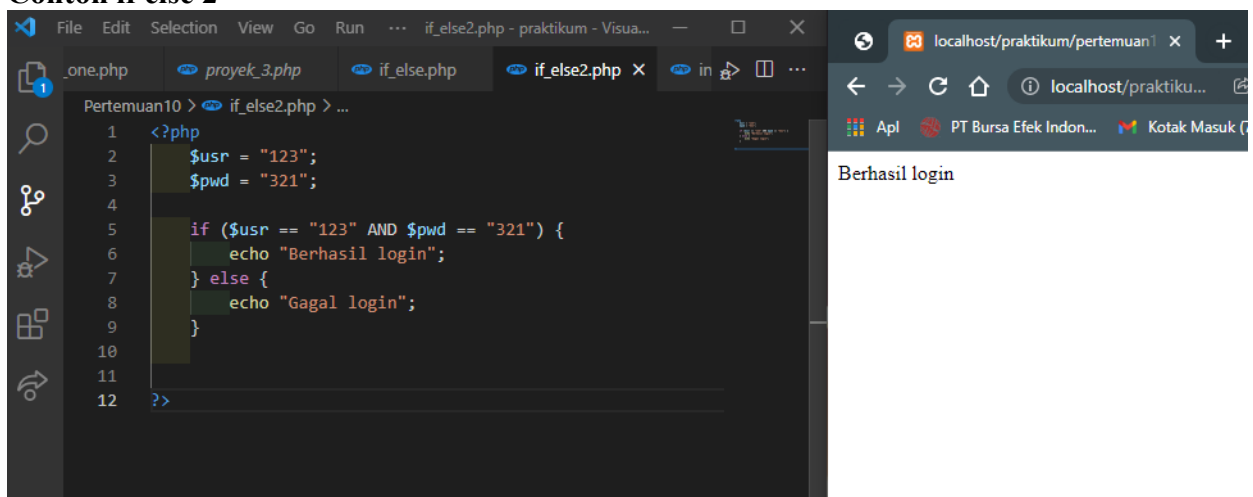
4. Variabel Angka (Proyek 4.php)



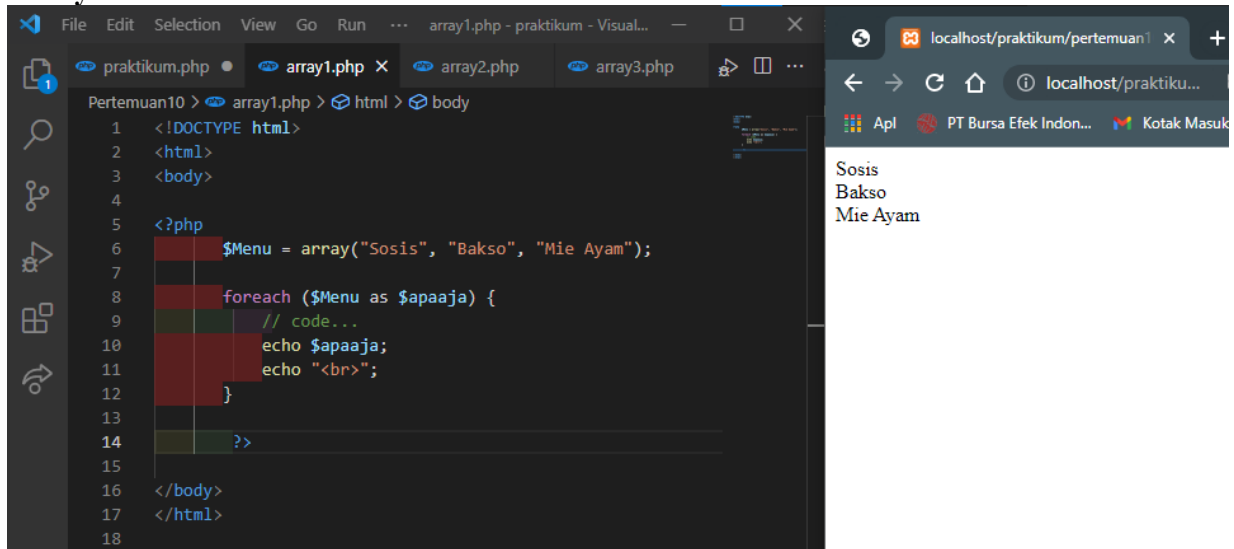
5. Contoh if else 1



6. Contoh if else 2



7. Array 1

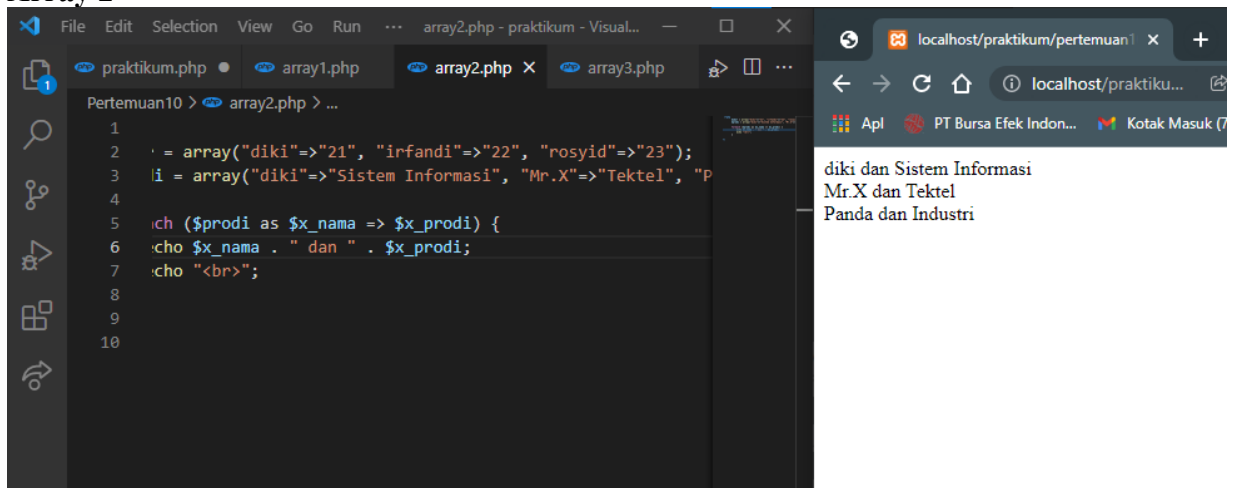


The screenshot shows the Visual Studio Code editor with a file named `array1.php` open. The code defines an array `$Menu` with the values "Sosis", "Bakso", and "Mie Ayam". A `foreach` loop iterates over the array, echoing each element followed by a line break. The browser window on the right shows the output of the script at `localhost/praktikum/pertemuan1`, displaying the menu items stacked vertically.

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <?php
6     $Menu = array("Sosis", "Bakso", "Mie Ayam");
7
8     foreach ($Menu as $apaaja) {
9         // code...
10        echo $apaaja;
11        echo "<br>";
12    }
13
14    ?>
15
16 </body>
17 </html>
18
```

localhost/praktikum/pertemuan1
Sosis
Bakso
Mie Ayam

8. Array 2

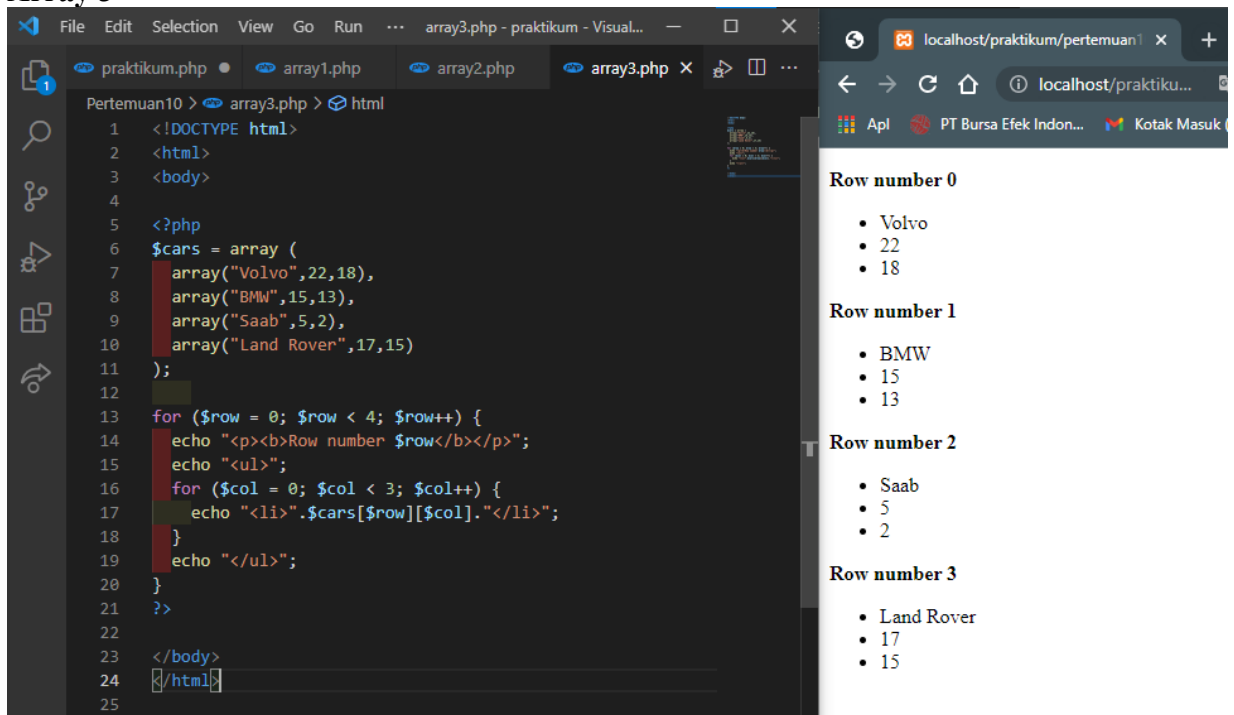


The screenshot shows the Visual Studio Code editor with a file named `array2.php` open. The code defines two arrays: `$diki` with values "21", "22", and "23", and `$i` with values "Sistem Informasi", "Mr.X", and "Tektel". A `foreach` loop iterates over the `$i` array, concatenating the corresponding value from `$diki` and the current element of `$i`, separated by " dan ". The browser window on the right shows the output: "diki dan Sistem Informasi", "Mr.X dan Tektel", and "Panda dan Industri".

```
1
2 $diki = array("diki"=>"21", "irfandi"=>"22", "rosyid"=>"23");
3 $i = array("diki"=>"Sistem Informasi", "Mr.X"=>"Tektel", "Panda"=>"Industri");
4
5 foreach ($i as $x_nama => $x_prodi) {
6     echo $x_nama . " dan " . $x_prodi;
7     echo "<br>";
8 }
9
10
```

localhost/praktikum/pertemuan1
diki dan Sistem Informasi
Mr.X dan Tektel
Panda dan Industri

9. Array 3



The screenshot shows the Visual Studio Code editor with a file named `array3.php` open. The code defines a 2D array `$cars` with three rows and three columns. A nested loop iterates over the array, printing the row number and the elements of each row. The browser window on the right shows the output, displaying the row numbers and the corresponding car models and values.

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <?php
6     $cars = array (
7         array("Volvo",22,18),
8         array("BMW",15,13),
9         array("Saab",5,2),
10        array("Land Rover",17,15)
11    );
12
13    for ($row = 0; $row < 4; $row++) {
14        echo "<p><b>Row number $row</b></p>";
15        echo "<ul>";
16        for ($col = 0; $col < 3; $col++) {
17            echo "<li>".$cars[$row][$col]."</li>";
18        }
19        echo "</ul>";
20    }
21    ?>
22
23 </body>
24 </html>
25
```

localhost/praktikum/pertemuan1
Row number 0
• Volvo
• 22
• 18
Row number 1
• BMW
• 15
• 13
Row number 2
• Saab
• 5
• 2
Row number 3
• Land Rover
• 17
• 15

10. Latihan

The screenshot displays a web development environment. On the left, a code editor (Visual Studio Code) shows the file `index.php` with the following PHP and HTML code:

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <title>Document</title>
8
9   <style>
10     .warna-baris{
11       background-color: silver;
12     }
13   </style>
14 </head>
15
16 <body>
17   <table border="1" cellpadding="10" cellspacing="0">
18     <?php
19       for ($i=1; $i <= 5; $i++) : ?>
20         <?php if ($i % 2 == 1) : ?>
21           <tr class="warna-baris">
22
23
24             <?php else: ?>
25             <?php endif; ?>
26
27             <?php for ($j=1; $j <= 5; $j++) : ?>
28               <td><?=" $i, $j"; ?></td>
29             <?php endforeach; ?>
30           </tr>
31         <?php endforeach; ?>
32       </table>
33 </body>
34 </html>
```

On the right, a web browser (Chrome) shows the rendered output of the script at `localhost/praktikum/`. It displays a 5x5 table with a silver background for odd-numbered rows. The table content is as follows:

1, 1	1, 2	1, 3	1, 4	1, 5
2, 1	2, 2	2, 3	2, 4	2, 5
3, 1	3, 2	3, 3	3, 4	3, 5
4, 1	4, 2	4, 3	4, 4	4, 5
5, 1	5, 2	5, 3	5, 4	5, 5