



WWW. **W** EBSITE **H**TML5 **M**YSQL **D**ESIGN
DEVELOPER
B MARKUP **A** **N** **H** CSS3 **D**
PLUG-IN **R** **L** **P**7 BROWSER
INFORMATION **A** **P**7 WORDPRESS
ORACLE
RESPONSIVE **J**AVASCRIPT
E SOURCE **S**FTWARE
CODE
LAYOUT

2018

PRAKTIKUM PEMROGRAMAN WEB

MODUL 6

KONTROL KONDISI

LABORATORIUM FKTI JURUSAN TEKNIK INFORMATIKA
UNIVERSITAS MULAWARMAN

1.1 RINGKASAN

Pada praktikum kali ini, anda akan mempelajari kondisi dan perulangan pada PHP. Tetapi, sebelumnya anda harus tahu operator-operator yang ada pada PHP seperti operator aritmatika, assignment, perbandingan, logika dan sebagainya.

A. OPERATOR ARITMATIKA

Operator	Name	Example	Result
+	Addition	$\$x + \y	Sum of \$x and \$y
-	Subtraction	$\$x - \y	Difference of \$x and \$y
*	Multiplication	$\$x * \y	Product of \$x and \$y
/	Division	$\$x / \y	Quotient of \$x and \$y
%	Modulus	$\$x \% \y	Remainder of \$x divided by \$y
**	Exponentiation	$\$x ** \y	Result of raising \$x to the \$y'th power (Introduced in PHP 5.6)

B. PHP ASSIGNMENT OPERATORS

Assignment	Same as...	Description
$x = y$	$x = y$	The left operand gets set to the value of the expression on the right
$x += y$	$x = x + y$	Addition
$x -= y$	$x = x - y$	Subtraction
$x *= y$	$x = x * y$	Multiplication
$x /= y$	$x = x / y$	Division
$x \% = y$	$x = x \% y$	Modulus

C. OPERATOR PERBANDINGAN

Operator	Name	Example	Result
==	Equal	\$x == \$y	Returns true if \$x is equal to \$y
===	Identical	\$x === \$y	Returns true if \$x is equal to \$y, and they are of the same type
!=	Not equal	\$x != \$y	Returns true if \$x is not equal to \$y
<>	Not equal	\$x <> \$y	Returns true if \$x is not equal to \$y
!==	Not identical	\$x !== \$y	Returns true if \$x is not equal to \$y, or they are not of the same type
>	Greater than	\$x > \$y	Returns true if \$x is greater than \$y
<	Less than	\$x < \$y	Returns true if \$x is less than \$y
>=	Greater than or equal to	\$x >= \$y	Returns true if \$x is greater than or equal to \$y
<=	Less than or equal to	\$x <= \$y	Returns true if \$x is less than or equal to \$y

D. OPERATOR INCREMENT / DECREMENT

Operator	Name	Description
++\$x	Pre-increment	Increments \$x by one, then returns \$x

\$x++	Post-increment	Returns \$x, then increments \$x by one
--\$x	Pre-decrement	Decrements \$x by one, then returns \$x

\$x--	Post-decrement	Returns \$x, then decrements \$x by one

E. OPERATOR LOGIKA

Operator	Name	Example	Result
and	And	\$x and \$y	True if both \$x and \$y are true
or	Or	\$x or \$y	True if either \$x or \$y is true
xor	Xor	\$x xor \$y	True if either \$x or \$y is true, but not both
&&	And	\$x && \$y	True if both \$x and \$y are true
	Or	\$x \$y	True if either \$x or \$y is true
!	Not	!\$x	True if \$x is not true

F. OPERATOR STRING

Operator	Name	Example	Result
.	Concatenation	\$txt1 . \$txt2	Concatenation of \$txt1 and \$txt2
.=	Concatenation	\$txt1 .= \$txt2	Appends \$txt2 to \$txt1

		assignment			

1.2 LATIHAN

Bagian ini mencakup kondisi dan perulangan, dimana mereka memiliki beberapa style penulisan kode. Simpanlah semua file-file dalam folder tersendiri, cobalah dan pahami serta eksplorasi latihan-latihan yang diberikan pada modul ini. Setiap style perulangan dan kondisi diterapkan pada kasus yang berbeda.

A. Percabangan

1) If Stement

```

1. <?php
2. $t = date("H");
3.
4. if ($t < "20") {
5.     echo "Have a good day!";
6. }
7. ?>

```

2) if...else statement

```

1. <?php
2. $t = date("H");
3.
4. if ($t < "20") {
5.     echo "Have a good day!";
6. } else {
7.     echo "Have a good night!";
8. }
9. ?>

```

3) if...elseif...else statement

1. <?php
2. \$t = date("H");
3.
4. if (\$t < "10") {
5. echo "Have a good morning!";
6. } elseif (\$t < "20") {
7. echo "Have a good day!";
8. } else {
9. echo "Have a good night!";
10. }
11. ?>

4) Switch statement

1. <?php
2. \$favcolor = "red";
3.
4. switch (\$favcolor) {
5. case "red":
6. echo "Your favorite color is red!";
7. break;
8. case "blue":
9. echo "Your favorite color is blue!";
10. break;

11. case "green":
12. echo "Your favorite color is green!";
13. break;
14. default:
15. echo "Your favorite color is neither red, blue, nor green!";
16. }
17. ?>

B. Perulangan

1) While

1. <?php
2. \$x = 1;
3.
4. while(\$x <= 5) {

5.	echo "The number is: \$x ;
6.	\$x++;
7.	}
8.	?>

2) do...while

1.	<?php
2.	\$x = 1;
3.	
4.	do {
5.	echo "The number is: \$x ;
6.	\$x++;
7.	} while (\$x <= 5);
8.	?>

3) for

1.	<?php
2.	for (\$x = 0; \$x <= 10; \$x++) {
3.	echo "The number is: \$x ;
4.	}
5.	?>

4) foreach

1.	<?php
2.	\$colors = array("red", "green", "blue", "yellow");
3.	
4.	foreach (\$colors as \$value) {
5.	echo "\$value ;
6.	}
7.	?>