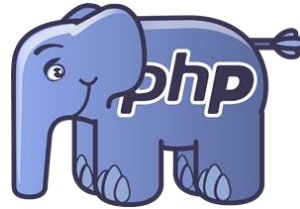


Pemrograman PHP



Pesantren PeTIK II YBM PLN

Jl. KH. Bisri Syansuri RT/01 RW/05, Plosogeneng,
Kec. Jombang, Kabupaten Jombang, Jawa Timur



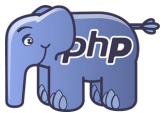
Pertemuan Ke-15





Materi

1. Pengantar Pemrograman PHP
2. Variabel dan Tipe Data
3. Array dan Struktur Data
4. PHP Form Processing
5. PHP Control Structure
6. PHP Function
7. Implementasi Template Web
9. PHP Object Oriented Programming
10. PHP Object Oriented Programming 2
11. PHP Database Connection
12. CRUD Database Operation 1
13. CRUD Database Operation 2
14. PHP Operasi file
15. Manajemen Session User




15. Manajemen Session User






Cookies - Session : shopping chart

- Mekanisme menyimpan data sementara user selama mengunjungi sebuah website




Mobile Phone
\$ 100.00

Add to Cart




Notebook
\$ 299.00

Add to Cart



Mobile Lite
\$ 125.00

Add to Cart



Wrist Watch
\$ 85.00

Add to Cart

Order Details

Item Added Into Cart

Clear Cart

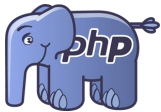
Item Name	Quantity	Price	Total	Action
Mobile Phone	1	\$ 100.00	\$ 100.00	Remove
Total			\$ 100.00	





Cookies

- File adalah file teks yang digunakan menyimpan data sementara user pada client browser
- Biasanya menyimpan data login dan password akses sebuah aplikasi web (remembering password login)
- Karna data di simpan di client maka data rentan akan keamanannya (mudah diambil alih oleh yang tidak berkepentingan)
- Data yang disimpan dalam cookies dapat disimpan lama, waktu expired dapat diatur oleh pengguna





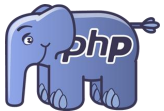
PHP - Cookies

PHP menyimpan Cookie dalam variabel GLOBAL Array : `$_COOKIE`

```
setcookie ( string $name , string $value = "" , int $expires = 0 , string $path = "" , string  
$domain = "" , bool $secure = false , bool $httponly = false ) : bool
```

Argumen fungsi:

1. `$name` : Nama cookie
2. `$value` : Nilai cookie
3. `$expires` : waktu expired (masa berlakuk cookie)
4. `$path` : lokasi file cookie
5. `$domain` : domain dimana cookie disediakan
6. `$secure` : jika di set TRUE , cookie disimpan dengan HTTPS
7. `$httponly` : jika di set TRUE, cookie hanya bisa diakses melalui HTTP saja,
tidak boleh melalui JavaScript



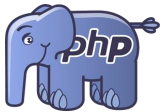


PHP - Cookies

```
setcookie ( string $name , string $value = "" , int $expires = 0 , string $path = "" , string $domain = "" , bool $secure = false , bool $httponly = false ) : bool
```

Set cookie variabel user : ahmad dengan waktu kadaluarsa 30 hari

```
1 <?php |  
2 $cookie_name = "user";  
3 $cookie_value = "Ahmad Budiman";  
4 // 86400 = 1 hari  
5 setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/" );
```

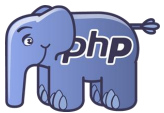




PHP - Cookies

Check apakah ada variabel cookie

```
7 // cek apakah ada variabel cookie_name
8 if (isset($_COOKIE['cookie_name'])) {
9     // process the cookie value
10 }
11 // cek juga nilai dari variabel cookie_name
12 if (isset($_COOKIE['cookie_name']) && $_COOKIE['cookie_name'] == 'value') {
13     // process the cookie value
14 }
```

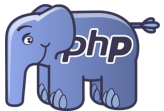




PHP - Cookies

Check apakah ada variabel cookie

```
1  <?php
2  $cookie_name = "user";
3  $cookie_value = "Ahmad Budiman";
4  // 86400 = 1 hari
5  setcookie($cookie_name, $cookie_value, time() + (86400 * 30), "/");
6
7  // cek apakah ada variabel cookie_name
8  if (!isset($_COOKIE['user'])) {
9      echo "Cookie named '" . $cookie_name . "' is not set!";
10 }else{
11     echo "Cookie '" . $cookie_name . "' is set!<br>";
12     echo "Value is: " . $_COOKIE[$cookie_name];
13 }
```





PHP - Cookies

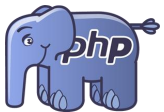
Hapus variabel cookie

```
<?php
// set the expiration date to one hour ago
setcookie("user", "", time() - 3600);
?>

<html>
<body>

<?php
echo "Cookie 'user' is deleted.";
?>

</body>
</html>
```





PHP - Cookies

Check apakah ada variabel cookie

```
7 // cek apakah ada variabel cookie_name
8 if (isset($_COOKIE['cookie_name'])) {
9     // process the cookie value
10 }
11 // cek juga nilai dari variabel cookie_name
12 if (isset($_COOKIE['cookie_name']) && $_COOKIE['cookie_name'] == 'value') {
13     // process the cookie value
14 }
```





Session – Shopping Chart

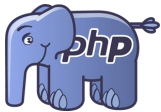
1. Ketika user melakukan belanja pada aplikasi e-commerce, semua produk yang dipilih dimasukkan ke keranjang dan disimpan ke sebuah session
2. Ketika akan melakukan transaksi pembayaran, user akan diminta login (buat user jika belum punya), untuk kemudian data di keranjang akan disimpan ke sistem database, dan tagihan pembayaran dilakukan.





Session Management (1)

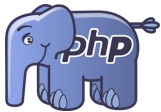
- Session adalah salah satu cara menyimpan data / informasi yang dapat di akses oleh beberapa halaman pada sebuah aplikasi berbasis web.
- Session memungkinkan user menyimpan data selama mengunjungi sebuah website, misal: mulai dari login hingga logout.
- Session adalah sebuah abstraksi yang merepresentasikan interaksi antara browser dan server





Session Management (2)

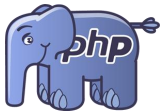
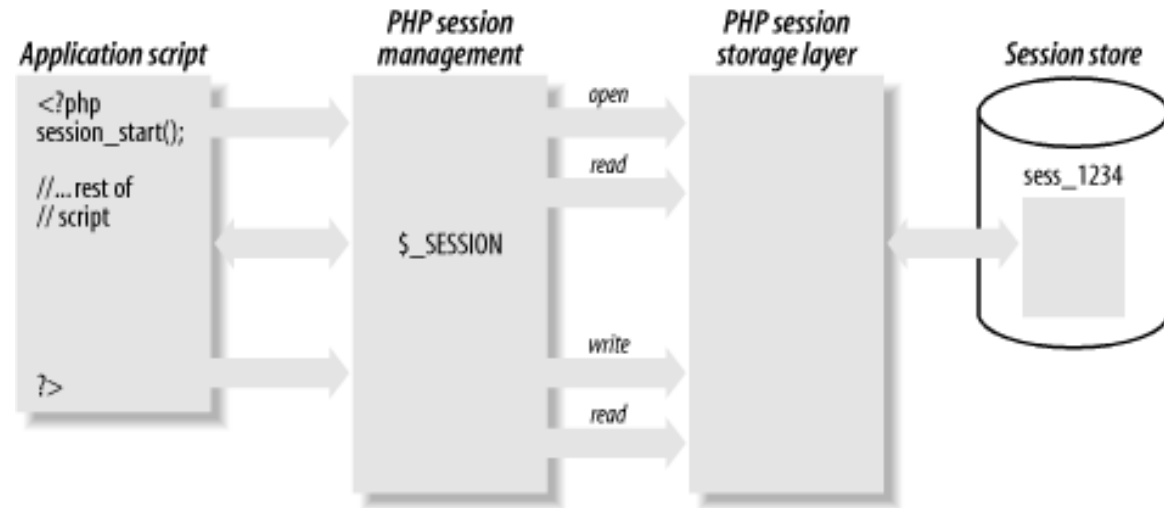
- Session menyimpan datanya di server (cookies menyimpan datanya di client)
- Sebuah Session dapat diatur kapan mulai aktif dan kapan session expired (semua variabel sesi dihapus)
- Session dapat berfungsi membatasi akses user terhadap fitur pada aplikasi





PHP Session

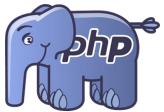
- Memulai sesi:
session_start();
- Data session disimpan dengan variable GLOBAL Array: \$_SESSION
- Contoh:
 - \$_SESSION['user']='rojul';
 - \$_SESSION['role']='admin';





PHP - Session

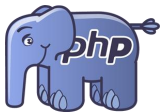
```
1  <?php
2      session_start()
3  ?>
4  <html>
5
6      <head>
7          <title>Hello World</title>
8      </head>
9
10     <body>
11         <?php
12             // set variabel session
13             $_SESSION['ROLE']='GUEST';
14             $_SESSION['NAMA LENGKAP']='Ahmad Budiman';
15         ?>
16
17         Nama User : <?=$_SESSION['NAMA LENGKAP']?>|
18
19     </body>
20
21 </html>
```





PHP Function - Session

- <https://www.php.net/manual/en/ref.session.php>
- - session_start() : aktifkan sesi
- - session_destroy() : hapus semua variabel sesi
- - session_id() : dapatkan ID session
- Set variabel session: \$_SESSION GLOBAL ARRAY
 - \$_SESSION['USERNAME']='ahmad';
 - \$_SESSION['ROLE']='operator';
- Hapus satu variabel session !! (gunakan konsep hapus variabel array)
 - unset(\$_SESSION['USERNAME']);
- Cetak variabel session:
 - echo \$_SESSION['USERNAME'] . ' ROLE : ' . \$_SESSION['ROLE'];





PHP Session – Example 1

file1.php

```
<?php
// Start the session
session_start();
?>

<!DOCTYPE html>
<html>
<body>

<?php
// Set session variables
$_SESSION["favcolor"] = "green";
$_SESSION["favanimal"] = "cat";
echo "Session variables are set.";
?>

</body>
</html>
```

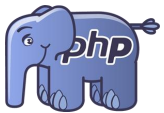
file2.php

```
<?php
session_start();
?>

<!DOCTYPE html>
<html>
<body>

<?php
// Echo session variables that were set on previous page
echo "Favorite color is " . $_SESSION["favcolor"] . "<br>";
echo "Favorite animal is " . $_SESSION["favanimal"] . ".";
?>

</body>
</html>
```





PHP Session – Example 2

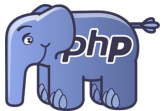
Update variabel Session

```
<?php
session_start();
?>

<!DOCTYPE html>
<html>
<body>

<?php
// to change a session variable, just overwrite it
$_SESSION["favcolor"] = "yellow";
print_r($_SESSION);
?>

</body>
</html>
```



Hapus variabel Session

```
<?php
session_start();
?>

<!DOCTYPE html>
<html>
<body>

<?php
// remove all session variables
session_unset();

// destroy the session
session_destroy();
?>

</body>
</html>
```



Session User

user

id INT(11)

username VARCHAR(20)

password VARCHAR(45)

email VARCHAR(45)

role VARCHAR(20)

created_at DATETIME

last_login DATETIME

Indexes



USER REGISTRATION IN PHP WITH LOGIN FORM

Sign up

Login

Username *

Password *

Login

Login

Registration

Username *

Email *

Password *

Confirm Password *























Sign up



Tabel User Aplikasi

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[More](#)

[Table structure](#)
[Relation view](#)

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	id 	int(11)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/>	2	username	varchar(20)	latin1_swedish_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	3	password	varchar(45)	latin1_swedish_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	4	email	varchar(45)	latin1_swedish_ci		No	None			 Change  Drop  More
<input type="checkbox"/>	5	role	varchar(20)	latin1_swedish_ci		Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	6	created_at	datetime			Yes	current_timestamp()			 Change  Drop  More
<input type="checkbox"/>	7	last_login	datetime			Yes	current_timestamp()			 Change  Drop  More





Tabel User Aplikasi

✓ Showing rows 0 - 1 (2 total, Query took 0.0006 seconds.)

```
SELECT * FROM `user`
```

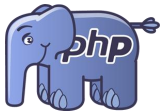
☐ Profiling [\[Edit inline\]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 ▾ | Filter rows: | Sort by key: None ▾

Options

			id	username	password	email	role	created_at	last_login	
<input type="checkbox"/>	Edit	Copy	Delete	1	budi	9c5fa085ce256c7c598f6710584ab25d	budi@gmail.com	Operator	2021-06-10 09:25:45	2021-06-10 09:25:45
<input type="checkbox"/>	Edit	Copy	Delete	2	admin	e10adc3949ba59abbe56e057f20f883e	admin@gmail.com	Administrator	2021-06-10 09:26:07	2021-06-10 09:26:07

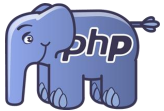
☐ Check all
 With selected:
 Edit
 Copy
 Delete
 Export





Session – User : class User

```
1  <?php
2  class User{
3      private $dbh;
4      public function __construct($dbh){
5          $this->dbh = $dbh;
6      }
7      public function otentikasi($username,$pass){
8          $data['username']=$username;
9          $data['password']=$pass;
10         $sql = "SELECT * FROM user WHERE username=? AND password=md5(?)";
11         $st = $this->dbh->prepare($sql);
12         $st->execute([$username,$pass]);
13         $row = $st->fetch();
14         return $row;
15     }
16 }
```





Session – User : check user login

[Sign up](#)

Login

Username *

Password *



login.php

```
1 <?php
2 session_start();
3 require_once 'dbkoneksi.php';
4 require_once 'class_user.php';
5
6 $objuser = new User($dbh);
7 // tangkap dari form login
8 $_username = $_POST['username'];
9 $_password = $_POST['password'];
10
11 $row = $objuser->otentikasi($_username,$_password);
12 if(!empty($row)){
13     // simpan di variabel sessi
14     $_SESSION['USERNAME']=$row->username;
15     $_SESSION['USERROLE']=$row->role;
16     $_SESSION['USEREMAIL']=$row->email;
17     header('location:welcome.php');//arahkan ke welcome
18 }else{
19     header('location:login.php?status=gagal');
20 }
21 ?>
```



Session – User : welcome page

```
1  <?php
2  session_start();
3  ?>
4  <!DOCTYPE html>
5  <html>
6  <body>
7  <?php
8  if (isset($_SESSION['USERNAME'])) {
9  ?>
10     Nama User : <?=$_SESSION['USERNAME']?>
11     <br/>Role : <?=$_SESSION['USERROLE']?>
12 <?php
13 }else{
14     echo "Anda Belum Login, Silakan Login dulu !!";
15     echo '<br/><a href="login.php">login</a>';
16 }
17 ?>
18 </body>
19 </html>
```



localhost/webku/welcome.php

Anda Belum Login, Silakan Login dulu !!
[login](#)



localhost/webku/welcome.php

Selamat Datang User

Nama User : budi
Role : operator

