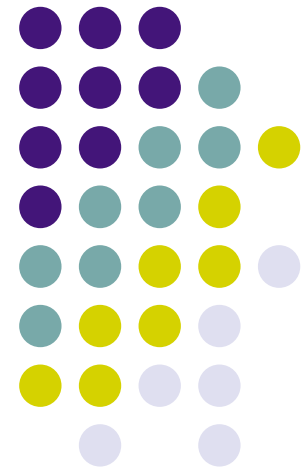


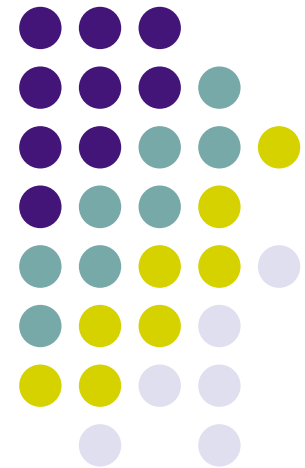
PHP - Array

Pemrograman Web II

Ganjil 2013 - 2014



Array

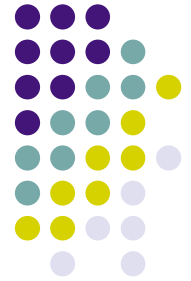




Array

- Pengertian Array
 - Kumpulan pasangan *Key/Index* dan Nilai/ Value (*Key – Value Pair*).
 - Variabel jamak, yang mempunyai banyak elemen dan diacu dengan satu nama yg sama.
 - Suatu wadah yang dapat menampung sejumlah nilai.
- Index array bisa bertipe integer atau string.
- Nilai array bisa bertipe apapun, termasuk array.
- Dimulai dari **index ke-0**.

Array



- http://www.w3schools.com/php/php_ref_array.asp
- <http://au1.php.net/manual/en/book.array.php>



Deklarasi Array

- `array()` artinya array kosong
- `array(value1, value2, value3);`
 - `$kota = array("Bandung", "Jakarta");`
 - `$kota[2] = "Surabaya";`
 - `$kota[] = "Sukabumi";`
- `[value1, value2, value3];`
 - `$kota = ["Bandung", "Jakarta"];`



Assignment Array

- Syntax :

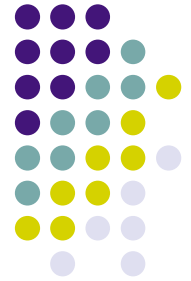
```
$nama_variabel = array( data );  
$nama_variabel[index] = data;
```

- Contoh :

```
$kota[0] = "Bandung";  
$kota[1] = "Medan";  
$kota[2] = "Bogor";
```

```
$kota[] = "Bandung";  
$kota[] = "Medan";  
$kota[] = "Bogor";
```

```
$c=1;  
$kota[$c] = "Jakarta";
```



Mencetak Array

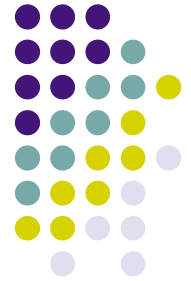
- `var_dump()`;
- `print_r()`;



Looping pada Array

- ```
for($i=0; $i<count($array); $i++) {
 echo $array[$i];
}
```
- ```
foreach ($array as $key) {  
    echo $key;  
}
```
- ```
foreach ($array as $key) :
 echo $key;
endforeach
```





# Associative Array

- `$arr = array(  
    $key1 = 'value1',  
    $key2 = 'value2',  
    ...            ...  
);`



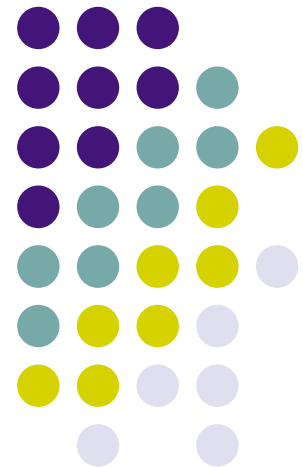
# Looping pada Associative Array

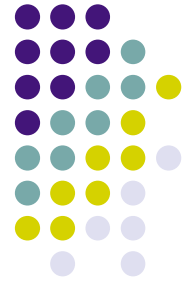
```
foreach ($array as $key => $value) {
 echo $key . " : " . $value;
}
```

# Array Functions

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Fungsi-fungsi pada array





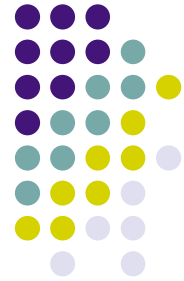
# Mengurutkan / Sorting

- `sort()`;
- `rsort()`;
- `asort()`;
- `ksort()`;
- `arsort()`;
- `krsort()`;



# Manipulasi Elemen

- `array_pop()`;
- `array_push()`;
- `array_shift()`;
- `array_unshift()`;
- `array_slice()`;



# Referensi

- Candra Utama, “Pemrograman Web 2”. Teknik Informatika Universitas Pasundan Bandung. 2012
- Arief H. Suardi, “*Pemrograman Web*”. Teknik Informatika Universitas Pasundan Bandung.
- Gutmans, Andi, Stig Saether Bakken, Derick Rethans, “*PHP 5 Power Programming*”, Prentice Hall, 2005
- Valade, Janet, “*PHP 5 For Dummies*”, Wiley Publishing, 2004
- [www.w3school.com](http://www.w3school.com)
- [www.php.net](http://www.php.net)

# Terima Kasih

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