

## Algoritma

```
<?php
// Created March 31, 2010 - 07:10:33
WIB
// Modified (again) April 13, 2013 -
06:43:54 WIB

class BFT{
    /* pencarian BFT
    * input :
    * $p = (string) pattern;
    * $t = (string) teks;
    * output :
    * $hasil = (array int) posisi string
pada teks
    */
    function BFTSearch($p,$t){
        $hasil = array();
        // pattern dan text dijadikan array
        $pattern = str_split($p);
        $text = str_split($t);

        // hitung tabel lompatan dengan
preBFT()

        $lompat = $this->preBFT($pattern);
        //print_r($lompat);

        // perhitungan BFT
        $i = $j = 0;

        $num=0;
        while($j<count($text)){
            if(isset($pattern[$i])    &&
isset($lompat[$i])){
                while($i>-1    &&
$pattern[$i]!=$text[$j]){
                    // jika tidak cocok, maka
lompat sesuai tabel lompatan
                    $i = $lompat[$i];
                }
            }else{
                $i = 0;
            }

            $i++;
            $j++;
            if($i>=count($pattern)){
```

```

        // jika cocok, tentukan posisi
        string yang cocok

        // kemudian lompat ke string
        berikutnya

        $hasil[$num++]=$j-
        count($pattern);

        if(isset($lompat[$i])){

            $i = $lompat[$i];

        }

    }

}

return $hasil;

}

```

```

/* menentukan tabel lompatan dengan
preBFT

* input :

* $pattern = (string) pattern

* output :

* $lompat = (array int) untuk
jumlah lompatan

```

```

*/

function preBFT($pattern){

    $i = 0;

    $j = $lompat[0] = -1;

```

```

while($i<count($pattern)){

    while($j>-1            &&
    $pattern[$i]!=$pattern[$j]){

        $j = $lompat[$j];

    }

    $i++;

    $j++;

if(isset($pattern[$i])&&isset($pattern[
$j])){

    if($pattern[$i]==$pattern[$j]){

        $lompat[$i]=$lompat[$j];

    }else{

        $lompat[$i]=$j;

    }

}

}

return $lompat;

}

```

```

/* replace string

* input :

* $str1 = (array string) string yang
akan diganti dengan str2

```

\* \$str2 = (array string) string yang akan mengganti str1

\* \$text = (string) text yang akan dicari

\* output :

\* \$t = teks yang sudah difilter

\*/

```
function  
BFTReplace($str1,$str2,$text){
```

```
    $num = 0;
```

```
    $location = $this->BFTSearch($str1,$text);
```

```
    $t = "";
```

```
    $n = 0; $nn = 0;
```

```
    foreach($location as $in){
```

```
        $t .= substr($text,$n+$nn,$in-$n-$nn).$str2;
```

```
        $nn = strlen($str1);
```

```
        $n = $in;
```

```
    }
```

```
    $t .= substr($text,$n+$nn);
```

```
    return $t;
```

```
}
```

```
}
```

```
?>
```

```
<?php require_once('header.php'); ?>
```

```
<?php
```

```
// include algoritma brute force
```

```
include("algoritma.php");
```

```
?>
```

```
<div class="page-banner"  
style="background-image:  
url(assets/uploads/banner_search.jpg);  
>
```

```
<div class="overlay"></div>
```

```
<div class="inner">
```

```
<h1>
```

```
Search By:
```

```
<?php
```

```
    $time = microtime();
```

```
$time = explode(' ', $time);
```

```
$time = $time[1] + $time[0];
```

```
$start = $time;
```

<pre>                 \$kata strip_tags(\$_REQUEST['kata']);                  echo \$kata;              ?&gt;         &lt;/h1&gt;      &lt;/div&gt;  &lt;/div&gt;  &lt;div class="page"&gt;      &lt;div class="container"&gt;          &lt;div class="row"&gt;              &lt;div class="col-md-12"&gt;                  &lt;div class="product product- cat"&gt;                      &lt;div class="row"&gt;                          &lt;?php                              \$kata = '%'.\$kata.'%';                          ?&gt;                      &lt;/div&gt;                  &lt;/div&gt;              &lt;/div&gt;          &lt;/div&gt;      &lt;/div&gt;      &lt;?php          /* ===== Pagination      Code      Starts ===== */          \$adjacents = 5; </pre>	<pre>                 \$statement = \$pdo- &gt;prepare("SELECT * FROM tbl_product WHERE p_is_active=? AND p_name LIKE ?");                  \$statement- &gt;execute(array(1,\$kata));                  \$total_pages = \$statement- &gt;rowCount();                  \$targetpage = BASE_URL.'search- result.php?search_text='.\$_REQUEST ['kata']; //your file name (the name of this file)                  \$limit = 12; //how many items to show per page                  \$page = @\$_GET['page'];                  if(\$page)                      \$start = (\$page - 1) * \$limit; //first item to display on this page                  else                      \$start = 0;                  \$statement = \$pdo- &gt;prepare("SELECT * FROM tbl_product WHERE p_is_active=? AND p_name LIKE ? LIMIT \$start, \$limit"); </pre>
---	---



```

        for ($counter = 1;
$counter < 4 + ($adjacents * 2);
$counter++)
    {
        if ($counter ==
$page)

            $pagination.=
"<span
class=\"current\">$counter</span>";

            else

                $pagination.= "<a
href=\"\$targetpage&page=$counter\">
$counter</a>";

    }

    $pagination.= "...";

    $pagination.= "<a
href=\"\$targetpage&page=$lpm1\">$l
pm1</a>";

    $pagination.= "<a
href=\"\$targetpage&page=$lastpage\"
>$lastpage</a>";

    }

    elseif($lastpage
($adjacents * 2) > $page && $page >
($adjacents * 2))

    {

        $pagination.= "<a
href=\"\$targetpage&page=1\">1</a>";

```

```

        $pagination.= "<a
href=\"\$targetpage&page=2\">2</a>";

        $pagination.= "...";

        for ($counter = $page -
$adjacents; $counter <= $page +
$adjacents; $counter++)

            {

                if ($counter ==
$page)

                    $pagination.=
"<span
class=\"current\">$counter</span>";

                    else

                        $pagination.= "<a
href=\"\$targetpage&page=$counter\">
$counter</a>";

            }

            $pagination.= "...";

            $pagination.= "<a
href=\"\$targetpage&page=$lpm1\">$l
pm1</a>";

            $pagination.= "<a
href=\"\$targetpage&page=$lastpage\"
>$lastpage</a>";

        }

        else

            {

```

```

        $pagination.= "<a
href=\"\$targetpage&page=1\">1</a>";

        $pagination.= "<a
href=\"\$targetpage&page=2\">2</a>";

        $pagination.= "...";

        for ($counter =
$lastpage - (2 + ($adjacents * 2));
$counter <= $lastpage; $counter++)
        {
            if ($counter ==
$page)

                $pagination.=
"
<span
class=\"current\">$counter</span>";

            else

                $pagination.= "<a
href=\"\$targetpage&page=$counter\">
$counter</a>";

        }

    }

    if ($page < $counter - 1)

        $pagination.= "<a
href=\"\$targetpage&page=$next\">nex
t &#187;</a>";

    else

```

```

        $pagination.= "<span
class=\"disabled\">next
&#187;</span>";

        $pagination.= "</div>\n";

    }

    /*
=====
Pagination      Code      Ends
===== */

?>

<?php

    if(!$total_pages):

        echo '<span
style="color:red;font-size:18px;">No
result found</span>';

    else:

        foreach ($result as
$row) {

            // algortima brute
            force check kata

            $bft = new BFT;

            $jmlt =
strlen($row['p_name']);

```

```

                $jmlp      =
strlen($_REQUEST['kata']);

                $pecah      =
str_split($row['p_name']);

                $hasil = $bft-
>BFTSearch($_REQUEST['kata'],$ro
w['p_name']);

if(!empty($hasil)){

                ?>

                <div class="col-
md-3 item item-search-result">

                <div
class="inner">

                <div
class="thumb">

                <div
class="photo" style="background-
image:url(assets/uploads/<?php echo
$row['p_featured_photo'];
?>);"></div>

                <div
class="overlay"></div>

                </div>

                <div
class="text">

                <h3><a
href="product.php?id=<?php echo
$row['p_id']; ?>">

```

```

<?php
//
proses cetak algoritma

if(count($hasil)>1){

    $no=1;

    foreach($hasil as $h){

        if($no==1){

            for($i=0;$i<$jmlt;$i++){

                $end = $h+$jmlp;

                if($i>=$h && $i<$end){

                    echo
                    '<b
                    style="color:red">'. $pecah[$i]. '</b>';

                }else{

                    echo $pecah[$i];

```





```

class="rating">
    <div
    <?php
    $t_rating
    = 0;
    $statement1 = $pdo-
    >prepare("SELECT * FROM
    tbl_rating WHERE p_id=?");
    $statement1-
    >execute(array($row['p_id']));
    $tot_rating = $statement1-
    >rowCount();
    if($tot_rating == 0) {
    $avg_rating = 0;
    } else {
    $result1 = $statement1-
    >fetchAll(PDO::FETCH_ASSOC);
    foreach ($result1 as $row1) {
    $t_rating = $t_rating + $row1['rating'];
    }
    }
    $avg_rating = $t_rating / $tot_rating;
    }
    ?>
    <?php
    if($avg_rating == 0) {
    echo
    ";
    }
    elseif($avg_rating == 1.5) {
    echo '
    <i
    class="fa fa-star"></i>
    <i
    class="fa fa-star-half-o"></i>
    <i
    class="fa fa-star-o"></i>
    <i
    class="fa fa-star-o"></i>
    <i
    class="fa fa-star-o"></i>
    ';
    }
    elseif($avg_rating == 2.5) {

```



```

                                </div>
<i class="fa fa-star"></i>
                                </div>
                                </div>
<?php endif; ?>
                                </div>
                                <?php
<?php
                                }
                                }
                                }
                                ?>
                                <div
                                class="clear"></div>
                                <?php
                                <div
                                class="pagination">
                                <?php
                                class="out-of-stock">
                                <div
                                echo $pagination;
                                class="inner">
                                ?>
                                Out
                                </div>
                                Of Stock
                                <?php
                                </div>
                                endif;
                                </div>
                                ?>
                                </div>
                                <?php else:
                                </div>
                                ?>
                                </div>
                                <p><a
                                href="product.php?id=<?php echo
                                $row['p_id']; ?>">Tambah ke
                                keranjang</a></p>
                                </div>
                                <?php
                                <?php
                                endif; ?>

```

```

$time = microtime();
$time = explode(0, $time);
$time = $time[0] + $time[1];
$finish = $time;
$total_time = round(($finish - $start),0);
echo "<p>Running Time
".$total_time." detik </p>"; ?>
<div class="clearfix"> </div>
</div>
</div>

<script>
function openCity(evt, cityName) {
    var i, tabcontent, tablinks;

    tabcontent =
document.getElementsByClassName("
tabcontent");

    for (i = 0; i < tabcontent.length; i++)
    {
        tabcontent[i].style.display =
"none";
    }

    tablinks =
document.getElementsByClassName("
tablinks");

    for (i = 0; i < tablinks.length; i++) {
        tablinks[i].className =
tablinks[i].className.replace("
active", "");
    }

    document.getElementById(cityName).
style.display = "block";

    evt.currentTarget.className += "
active";
}

</script>

</div>
</div>
</div>
<?php require_once('footer.php'); ?>

```