

# DEVELOPING OF ONLINE LITERATURE SEARCH ENGINE TO HELP MEDICAL LITERATURE SEARCH: AN APPLICATION OF COMPUTER IT TECHNOLOGY

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## ABSTRACT

The application of computer IT technology can help provide convenience in several works. For help searching, the development of computer search engine is accepted for its usefulness. Here, the author discusses on the case of developing of online literature search engine to help medical literature search.

**KEYWORDS:** Search Engine, Medical Literature, Search.

## INTRODUCTION

The application of computer IT technology can help provide convenience in several works. For help searching, the development of computer search engine is accepted for its usefulness. Here, the author discusses on the case of developing of online literature search engine to help medical literature search.

## CASE STUDY

The case is developing of online literature search engine to help medical literature search. The search engine is developed based on computer IT technology. Writing the website was done using the HTML based language. The development of search box for medical literature search can be successfully done. The HTML language source was shown in Figure 1 and the appearance of the website form is also shown in Figure 1. The example of result from searching of a literature is also shown in Figure 1.

Figure 1. The HTML source, website form and he example of result from searching of the literature on the developed search engine.

HTML source

```
<!DOCTYPEhtml>
<!-- saved from url=(0024)http://
www.scopemed.org/ -->
<html><head><metahttp-equiv="Content-
Type"content="text/html; charset=windows-
1254"><title> - ScopeMed.org - Deposit for
Medical Articles</title>
<metahttp-equiv="content-
language"content="En">
<scriptsrc="./- ScopeMed.org - Deposit for
Medical
Articles_files/rum.js.download"></script><scrip
tasync=""src="./- ScopeMed.org - Deposit for
Medical
```

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```
Articles_files/analytics.js.download"></script><
scriptsrc="./- ScopeMed.org - Deposit for
Medical Articles_files/ca-pub-
2382595874512887.js.download"></script><scr
iptasync=""src="./- ScopeMed.org - Deposit for
Medical
Articles_files/gtm.js.download"></script><scrip
t>
    if (window.top !== window.self)
window.top.location.replace(window.self.locati
on.href);
</script>
<metaname="TITLE"content="">
<metaname="keywords"content="">
    <a href="javascript:
void(0)"onclick="window.open(&#39;http://ww
w.scopemed.org/index_subscribelist.php&#39;;
&#39;subscribelist&#39;;
        &#39;width=470, \
        height=350, \
        directories=no, \
        location=no, \
        menubar=no, \
        resizable=no, \
        scrollbars=1, \
        status=no, \
        toolbar=no&#39;); return
false;"></a><br>
    </td>
</tr>
<tr valign="top" class="font1">
    <td style="font-size:11px;font-
family:trebuchet ms, arial;border-bottom:1px
solid #242424;padding:13px;"align="center">
        </a><br>Directory for
Medical Articles
```

```
</td>
        <td style="border-bottom:1px
solid #242424;padding:13px;">
            <div class="search-
service">
                <form action="http://www.scopemed.o
rg/" method="get">
                    <input type="text" name="term" value="
"placeholder="Search for title, author,
keywords etc." class="searchbox">&nbsp;
                    <select name="sarea" class="searchslc">
                        <option value="">in any field</option>
                        <option value="title">in Title</option>
                        <option value="summary">in
Summary</option>
                        <option value="keyword">in
Keywords</option>
                        <option value="author">in
Authors</option>
                        <option value="journal">in
Journals</option>
                    </select>
                    <input type="submit" name="b1" value=
"Search Article" class="searchbtn">
                </form>
            <div class="clear"></div>
```

## WEBSITE FORM

**Directory for Medical Articles**

## EXAMPLE OF LITERATURE SEARCH

Input of the searching term, here “Wiwanitkit” then press search article

**Directory for Medical Articles**



The derived result can be gotten.

1. [Plagiarism and Journal Editing](#)  
Somsri Wiwanitkit  
*Acta Informatica Medica*. 2013; 21(1): 71-71.
2. [New Medical Education System: Implementation of Informatic Technology and Holistic Approach Concept](#)  
Viroj Wiwanitkit  
*Acta Informatica Medica*. 2013; 21(3): 223-223.
3. [Psychiatric Problems of Emergency Workers in Nuclear Crisis: An Issue in Industrial Psychiatry](#)  
Beuy Joob, Viroj Wiwanitkit  
*Psikiyatride Guncel Yaklasimlar - Current Approaches in Psychiatry*. 2012; 4(4): 590-591.
4. [Infectious waste from ex-hospital laboratory: a data from a rural province, Thailand](#)  
Patthamaporn Apaijitt, Vechayan Kanchan ; Viroj Wiwanitkit  
*Advance Laboratory Medicine International*. 2016; 6(2): 31-32.
5. [Probability of Concurrent Dengue and Malaria Infections: A Statistical Approach.](#)  
Varun Malhotra, Viroj Wiwanitkit  
*International Journal of Health Sciences and Research (IJHSR)*. 2013; 3(8): 64-68.
6. [CASE REPORT: what, why and how to report?](#)  
Viroj Wiwanitkit  
*Case Study and Case Report*. 2012; 2(1): 1-3.
7. [Treatment of mental disorders in problematic cases due to nuclear plant crisis: a topic in clinical psychopharmacology](#)  
Viroj Wiwanitkit  
*Klinik Psikofarmakoloji Bulteni-Bulletin of Clinical Psychopharmacology*. 2012; 22(1): 113-113.
8. [Energy fluctuation in glycosylated end product formation: a new explanation on pathogenesis for complication in poorly controlled diabetic patient](#)  
Viroj Wiwanitkit  
*Advance Laboratory Medicine International*. 2011; 1(1): 6-10.

## DISCUSSION

The use of computer search engine is widely seen at present. In medicine, there are heap of data and it sometimes very difficult to perform the classical search. Developing of search engine by computer IT technology is proven for the advantage. It can be well applied in real clinical usage. The database each engine is the widely applied search engine presently used in medicine [1]. Developing of this kind of search

engine will be useful. The good example is the development of the online search engine to help tube selection for proper specimen collection for medical laboratory analysis [2].

In the present study, the authors show the use of simple search engine development that use the HTML linkage technique to support the searching of medical literature search. It can be helpful for the medical personnel who want to

search the international literature recorded in international database.

**CONFLICT OF INTEREST:** None

## **REFERENCES**

[1]. Verheggen K, Martens L, Berven FS,

Barsnes H, Vaudel M. Database Search Engines: Paradigms, Challenges and Solutions. *AdvExp Med Biol.* 2016; 919: 147-156.

[2]. Wiwanitkit V, Nitithamyong S. Search Engine for Laboratory Test in Pharmacology. *Thai J Pharmacol.* 2000; 22: 177-181.