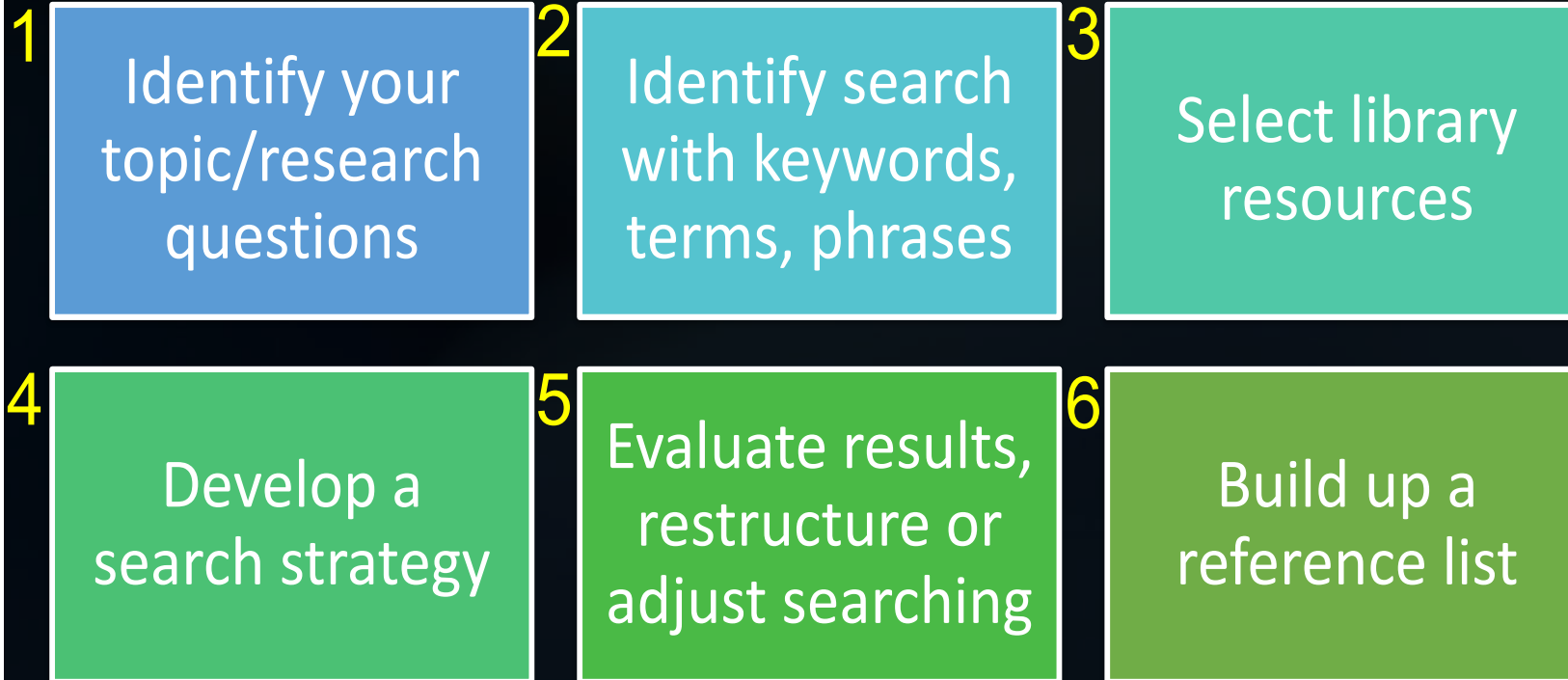


# Searching/handling/analyzing data relevant for Islamic economics research

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# THE RESEARCH PROCESS





## 1. IDENTIFY YOUR TOPIC/RESEARCH QUESTIONS

- **Brainstorming** the ideas.
- Develop **mind mapping** to get ideas.
- Ask your lecturer(s).
- Conduct a **preliminary search** - Check encyclopedias, articles, news, Internet, textbooks, etc. for general information on your topic.
- State your topic as a question you want to answer (or a set of questions).
  - What do you know about that topic?
  - What do you want to know about that topic?
  - Do I want to make it broad or narrow?
- Use your questions to identify keywords and concepts.

## 2. IDENTIFY SEARCH WITH KEYWORDS, TERMS AND PHRASES

- Identify the main keyword in your topic.
- List the alternative keyword(s) for each concept (synonyms)
  - Using Encyclopedias, Thesaurus, etc.

Example: <https://www.thesaurus.com/browse/synonym>
- Does your area of research use subject specific terminology (technical vocabulary or technical terms)?
- Different author(s) use different keyword(s).

# KEYWORDS, TERMS, & PHRASES

Topic: The **awareness** of **education Takaful** among **youth** in **Malaysia**

## *Concept 1*

### **Awareness**

- Consciousness
- Alertness

## *Concept 2*

### **Education**

- Knowledge
- Understanding

## *Concept 3*

### **Takaful**

- Insurance
- Islamic insurance

## *Concept 4*

### **Youth**

- Teens
- Puberty
- Minority
- Adolescent

# KEYWORDS, TERMS, & PHRASES

Topic: Comparative analysis of sukuk and conventional bond

## *Concept 1*

### **Comparative analysis**

- “Comparative studies”
- Comparative survey
- Comparative review

## *Concept 2*

### **Sukuk**

- “Islamic bonds”
- sharia compliant

## *Concept 3*

### **Conventional bond**

- “fixed-income securities”

# KEYWORDS, TERMS, & PHRASES

Topic: A strategy of the company performance in the international market

## *Concept 1*

### **Strategy**

- Plans
- Strategic planning
- Design
- Approach

## *Concept 2*

### **Company performance**

- Business performance
- Business situation
- Commercial performance
- Business development

## *Concept 3*

### **International market**

- Global market
- Global industries
- Foreign market
- International trade
- Export market

# KEYWORDS, TERMS, & PHRASES

Topic: Awareness of the Islamic Banking products and services among non-muslim

## *Concept 1*

### **Islamic Banking**

- Islamic Finance
- Shariah-compliant finance

## *Concept 2*

### **Product and Service**

- Brand
- Output

## *Concept 3*

### **Non-muslim**

- nonbeliever
- infidel





What kind of materials would have the information that I need to answer my research questions and how to find them?

- Books?
- Scholarly Journals?
- Information from government or non-profit organizations?
- Newspapers?
- Internet?

# ONLINE DATABASES & EBOOK



ELSEVIER  
Scopus



- CORE <https://core.ac.uk/>
- ScienceOpen <https://www.scienceopen.com/>
- Directory of Open Access Journals (DOAJ) <https://doaj.org/>
- Education Resources Information Center (ERIC) <https://eric.ed.gov/>
- arXiv e-Print Archive <https://arxiv.org/>
- Google Scholar <https://scholar.google.com/>
- Dataset Search <https://datasetsearch.research.google.com/>
- Semantic Scholar <https://datasetsearch.research.google.com/>



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# SEARCH STRATEGY TECHNIQUES

1. Searching with **keywords**
2. Searching for **exact phrases**
3. Using **Boolean Operator**
4. Using **wildcard** and **truncation searches**
5. Searching with **subject headings**



## **1. SEARCH WITH KEYWORDS**

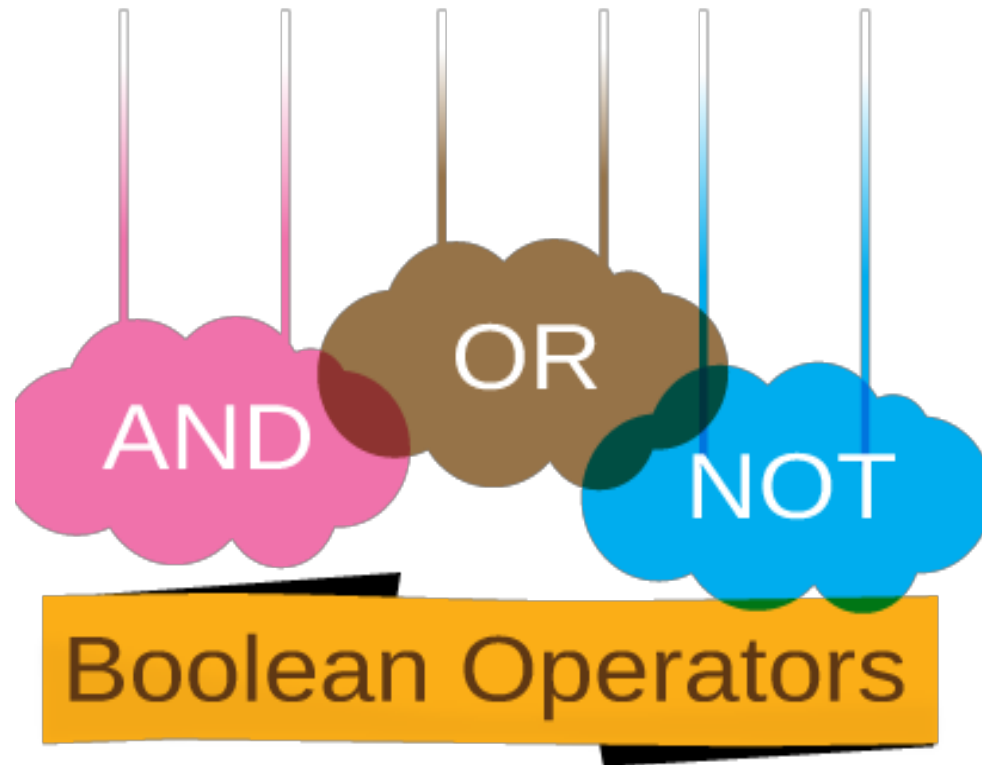
- Keywords are words or phrases used to find relevant content in a database
- Avoid searching using short or insignificant words such as the, in, to, or an that have no specific meaning.
- Ensure to enter the exact word and accurate spelling to get a relevant result.





## 2. SEARCH FOR THE EXACT PHRASE


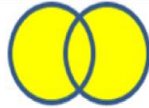

- A type of search that allow users to search for documents containing **exact sentence / phrase**, rather than single keyword .
- If you want search term to appear next to each other in an exact phrase, use quotation marks, e.g., **“budget deficit”**, **“international marketing”**, **“Islamic banking”**, **“Information technology”**.



### 3.USING BOOLEAN OPERATOR

Boolean Operators are simple words (**AND, OR, NOT**) used as conjunctions to **combine or exclude** keywords in a search, **narrowing or broadening** the search, resulting in more focused and productive results.

# Boolean Operators (AND, OR, NOT)

Boolean	Function	Search example	Result
<b>AND</b>	<ul style="list-style-type: none"> <li><b>Narrow</b> the search term</li> <li>Tell the database that ALL search terms must be present in the resulting records.</li> </ul>	<p>"Halalan Toyyiban" <b>AND</b> "halal food"</p> <p>"Halal food" <b>AND</b> consumption</p> <p>"Halal food" <b>AND</b> consumption <b>AND</b> Malaysia</p>	 <p>Results will include both terms</p>
<b>OR</b>	<ul style="list-style-type: none"> <li><b>Broaden</b> your results, telling the database that ANY of your search terms can be present in the resulting records.</li> </ul>	<p>Challenges <b>OR</b> obstacles</p> <p>"halal food" <b>OR</b> "Muslim food"</p> <p>Consumption <b>OR</b> marketing</p> <p>"Twentieth Century" <b>OR</b> 20<sup>th</sup> Century</p>	 <p>Results will include one or both terms</p>
<b>NOT</b>	<ul style="list-style-type: none"> <li><b>Exclude</b> words from your search</li> <li><b>Narrow</b> your search, telling the database to ignore concepts that may be implied by your search terms</li> </ul>	<p>University <b>NOT</b> college</p> <p>"higher education" <b>NOT</b> Polytechnique</p> <p>"social media" <b>NOT</b> Facebook</p>	 <p>Excludes results with the term following NOT</p>





## 4. USING TRUNCATION AND WILDCARD SEARCHES

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- You can use truncation and wildcard searches to find variations of your search term. Truncation is useful for finding singular and plural forms of words and variant endings.
- Truncation or wildcard symbols can broaden your search and allow you to look for variations of words.



# Truncation

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- Use truncation to avoid having to think of (and type out) all possible variations of a word.
- To use truncation, enter the root of a word (the point at which the spelling could change) and put the truncation symbol at the end.
- The database will return results that include any ending of that root word.
- For example, searching on **market\*** would bring up variations such as **market**, **marketing**, **markets**, etc.



# Wildcards

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- Wildcards Similar to truncation, wildcards substitute a symbol for one letter of a word.
- This is useful if a word is spelled in different ways, but still has the same meaning.
- Wildcards are useful for finding British and American spellings, for example:

“**behavio?r**” = **behaviour** and **behavior**



# WILDCARD & TRUNCATION

Concept	Search Examples	Result
<p>Wildcard (?) (#)</p> <p>Use (?) (#) to replace a letter/letters inside the words</p>	<p>Analy?e Analy#e</p> <p>Organi?ation</p> <p>Wom?n Wom#n</p>	<p>Analyse / Analyze</p> <p>Organisation / Organization</p> <p>Woman / Women</p>
<p>Truncation (*)</p> <p>Use * to truncate a word</p>	<p>Market*</p> <p>Product*</p>	<p>Marketing Marketable</p> <p>Product Production Productivity</p>

Other alternatives to get materials (i.e. articles/sample of questionnaires )

- email the authors
- engage with respective agencies to obtain data
- inter library help for un-subscribed journals
- <https://www.wur.nl/en/article/How-to-use-Google-Scholar.htm>