

METODOLOGI PENELITIAN

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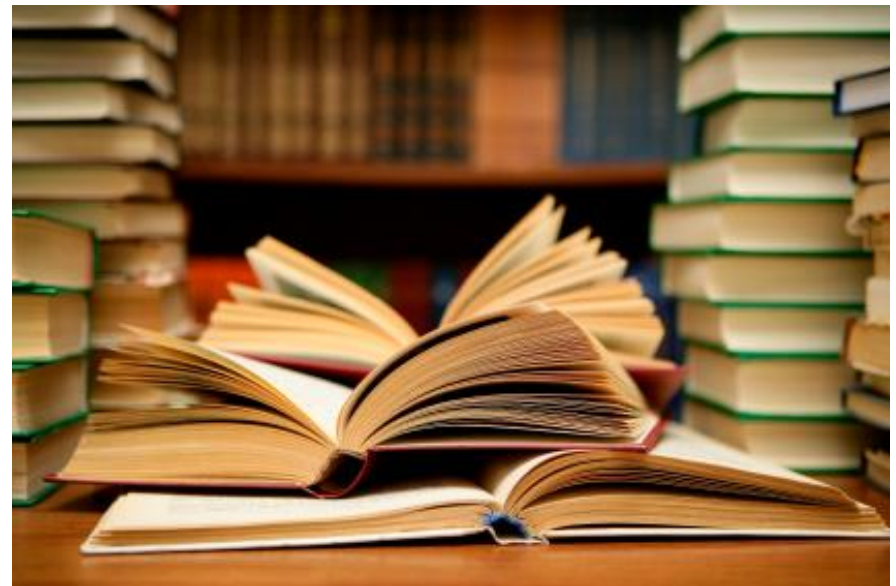
Sem Ganjil 2018/2019

Pertemuan 3

Studi Pustaka / Literature Review

Literature Review

- A review of database or compilation of research that has been published by recognized scholars and researchers on a topic of interest
- Level of comprehension depends on the level of research
- A critical element of research
- Aimed at searching for facts and information that will support the research work



Purposes of Literature Review

- To acquire and demonstrate knowledge in a particular area
- To identify knowledge and ideas that have been established earlier
- To justify reason(s) for conducting research/identify gap of knowledge
- To establish theoretical framework and research methodology
- To learn how to conduct academic research writing

Why Literature Review

Literature review should help researcher to:

- Limit the problem area.
- Define the problem.
- Avoid unnecessary repetition.
- Search for new approaches.
- Recommend suitable methods.
- Sample current opinions.

Limit the Problem Area.

- The problem should be small enough and sufficiently specific for adequate treatment and competent analysis.

Define the Problem.

- ‘Definition’ means researcher knows exactly what he is looking for, so that data when collected and analyzed actually relates back to the problem.

Avoid Unnecessary Repetition.

- Do not assume that because most of the existing research adopts one method that it is the only method or the correct method. Do not use the approach if you have reservations about its application to the problem.

Search for New Approaches.

- Be alert to research approaches which may have been overlooked. Be prepared to adopt a different viewpoint, particularly in areas where research is sparse.

Recommend Suitable Methods.

- Methodology should be appropriate to the research problem. Compile a checklist in which you reference ideas on research design, instrumentation, sampling and data collection and analysis from various studies.

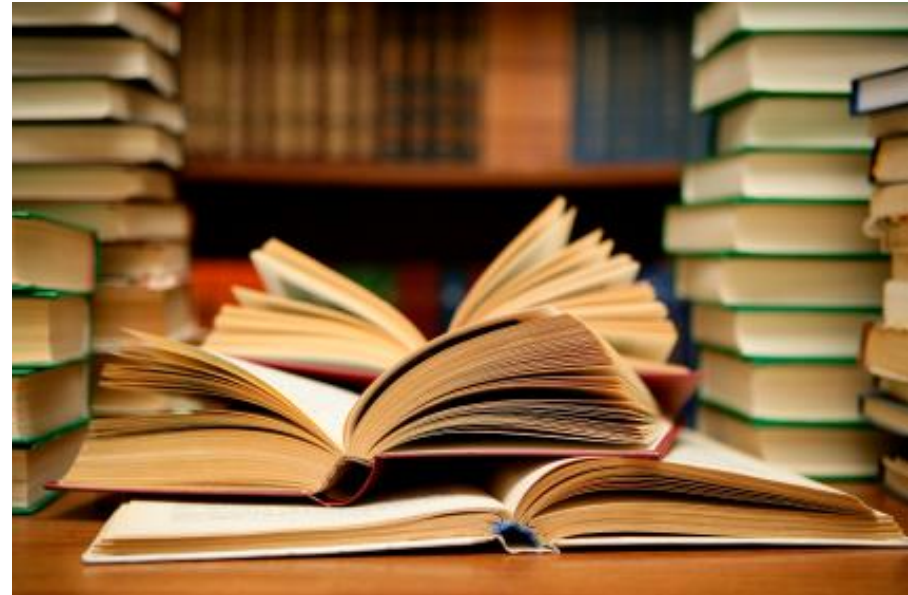
Sample Current Opinions.

- Newspapers, magazines and non-technical articles may contain unique ideas that have been researched.

How to Perform Literature Review

Plan for Obtaining Literature

- Keywords.
- Consultations.
- Preliminary sources.
- Secondary sources.
- Primary sources.
- Contacts.



How to Perform Literature Review

Keywords

- Compile a list of keywords or terms that relate specifically to the research problem.
- Use the keywords to check the preliminary sources for references: catalogue, indexes, abstracts, bibliographies, annotated bibliographies.

Cara penulisan pencarian berdasarkan keywords

Simbol	Makna	Contoh
&	AND	Forest & Yukon
spasi kosong	AND	Forest Yukon
/	OR	Weather/climate
!	NOT	Apple!computer
-	PHRASE SEARCH	Industruial-revolution
#	TRUNCATION	Cat#
()	GROUP WORDS	(cyclist#bicycl#)&safety

Primary Sources

- Locate research reports written specifically about the research problem:
 - Journal Articles
 - Research Reports
 - Collective Works
 - Conference Papers
- Locate other primary sources for information on research design and methodology.

Secondary Sources

- Locate textbooks, articles and other secondary sources.
- Check secondary sources for relevance and background information

Consultations

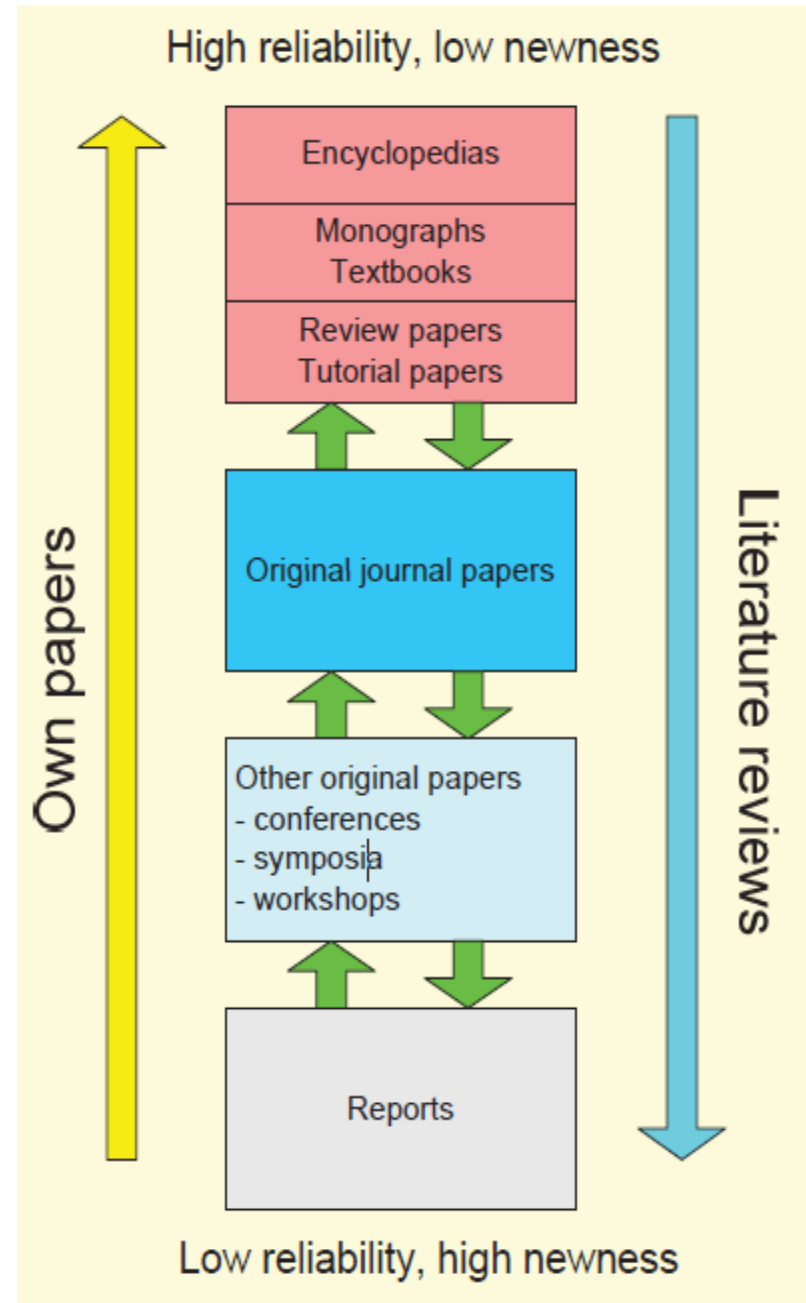
- Consult the librarian for information about the collection and cataloguing procedures.
- Discuss the research problem with specialists and colleagues.

Contacts

- Write to organization and/or institutions that may have an interest in the research problem and be able to supply information or additional contacts.
- From the survey of primary sources, contact any person who may have conducted research in the area, if it is felt that this may be useful.

How to do Literature Review

- How has the work been done previously? What similar work has been leading up to this point?
 - Study state of the art (literature review, projects, informal discussions, etc).
 - Optional realization of preliminary experiments.
- What distinguishes previous work from what you want to do?
- Who / What will be impacted by this research?



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<https://journal.unnes.ac.id/nju/index.php/jtsp>

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