



# TYPES OF RESEARCH GAPS

**MINDA M. SEBAYANG**

**MAGISTER MANAJEMEN  
UNIVERSITAS MEDAN AREA**

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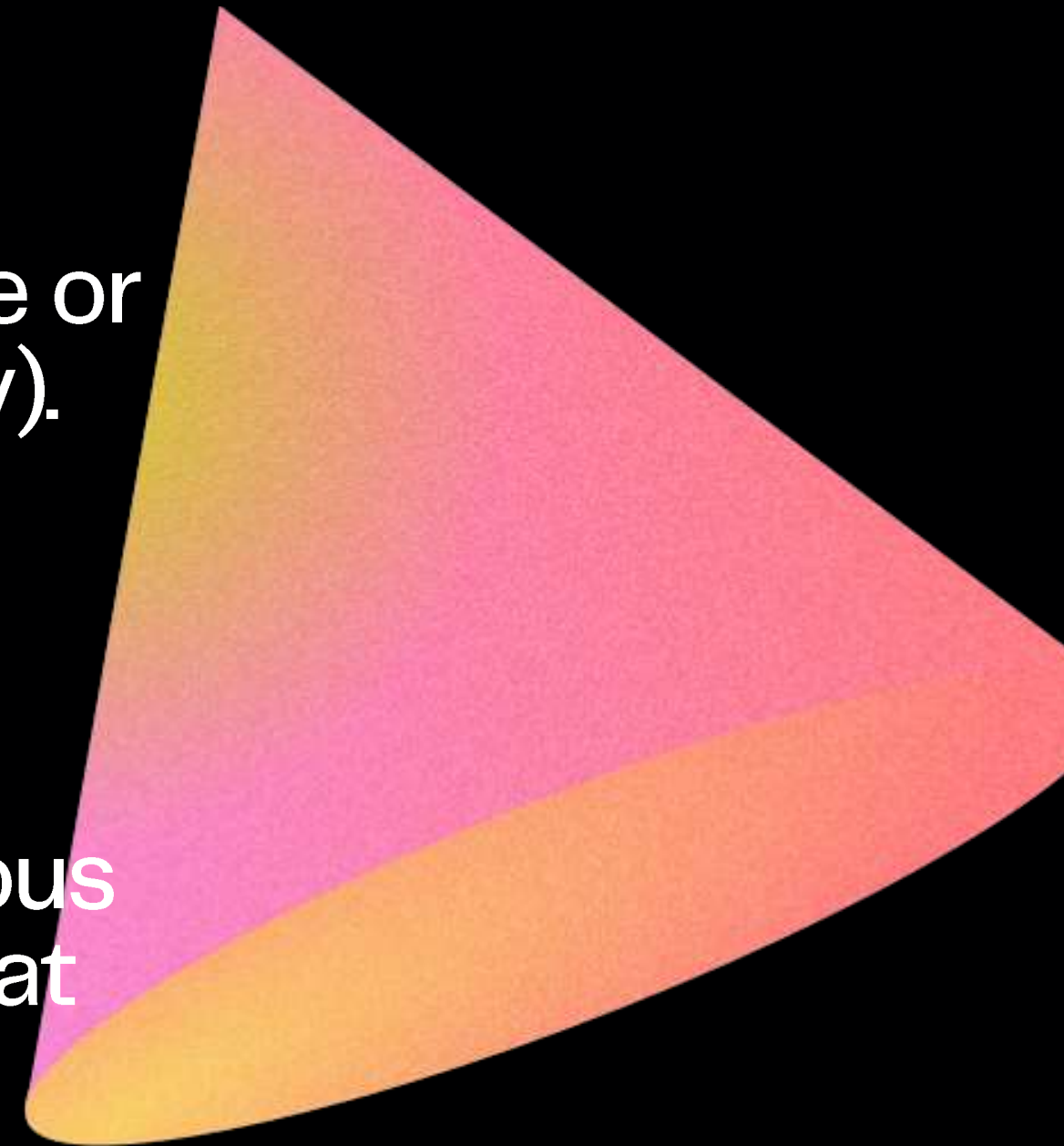
# Defenition

Refers to a missing or insufficient area of knowledge or understanding in a particular field of research (study).

It's a discrepancy or a need for further investigation that is identified through an analysis of existing literature or empirical evidence.

Research gaps can occur due to limitations in previous research, changes in the field, or emerging trends that have not yet been explored

(Jonker & Pennink, 2010)



# Defenition

Identify research gaps is an essential step in conducting research as it helps researcher to focus their efforts & contribute to the existing body of knowledge.

Addressing research gaps may involve designing new studies, developing new theories or frameworks or re-evaluating existing research.

By addressing research gaps, researcher can make meaningful contributions to their field & improve the quality of their research.

(Jonker & Pennink, 2010)



# Research Gaps Types

01

Theoretical Gap

02

Empirical Gap

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Methodological Gap

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Practical Gap

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Literature Gap

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Historical Gap

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Cultural Gap

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Conceptual Gap



# Theoretical Gap

Refers to a gap in theoretical knowledge or understanding of a particular research area or topic.

Occurs when there is a lack of theoretical explanations or frameworks to explain a particular phenomenon or when there are inconsistencies or contradictions in existing theories.

Can occur due to various reasons such as limited research in a particular area, changes in the social or economic environment or the emergence of new phenomena that require new theoretical frameworks

It's essential to identify the theoretical gaps to advance knowledge in the field & to develop a more comprehensive & accurate understanding of the phenomenon under study.



# Theoretical Gap Example



Magister Manajemen



## Research Article

[http://www.scielo.org.za/scielo.php?script=sci\\_arttext&pid=S2222-34362022000100007](http://www.scielo.org.za/scielo.php?script=sci_arttext&pid=S2222-34362022000100007)



## Theoretical Gap

Ajzen's theory of planned behaviour (TPB) vs Shapero's theory of the entrepreneurial.



There may not be a theoretical model that fully explains the relationships between self identity & entrepreneurial intention-action.

# Steps in Finding The Theoretical Gap



<b>Conduct Thorough Literature Review</b>	<ul style="list-style-type: none"><li>• SLR (Systematics Literature Review)</li></ul>
<b>Analyze The Literature</b>	<ul style="list-style-type: none"><li>• Make a review using AI</li></ul>
<b>Brainstrom Potential Solutions</b>	<ul style="list-style-type: none"><li>• Make a conclusion based the analyzed SLR</li></ul>
<b>Consult With Experts</b>	<ul style="list-style-type: none"><li>• Discuss it with your supervisor</li></ul>
<b>Develop Your Theoretical Framework</b>	<ul style="list-style-type: none"><li>• Write down your conclusion</li></ul>
<b>Test Your Theoretical Framework</b>	<ul style="list-style-type: none"><li>• Using software to test it</li></ul>



# Empirical Gap

Refers to a gap in empirical evidence or research findings on a particular research area or topic.

Occurs when there is a lack of sufficient or reliable empirical data to support or refute a particular hypothesis or research question.

Can occur due to various reasons such as:

- Limited data availability
- Lack of research in a particular area
- Methodological limitations
- Inconsistencies in research findings

It's essential to address empirical gaps to advance knowledge in the field & to develop a more comprehensive & accurate understanding of the phenomenon under study.



# Empirical Gap Examples

May exist when there is lack of empirical evidence or data to support a particular claim or hypothesis



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## Lack of Data



Research Article

<https://www.mdpi.com/2071-1050/13/16/9249>



The measurement items were limited by the information obtained through the survey.

## Inconsistent Result



Research Article

<https://scholarhub.ui.ac.id/jbb/vol29/iss3/3/>



The fourth hypothesis reveals a negative & significant association between social media usage & student's entrepreneurial intention.

## Limited Scope



Research Article

<https://www.sciencedirect.com/science/article/pii/S1041608022000346>



A limited number of entrepreneurship course characteristics.

# Steps in Finding The Empirical Gap



<b>Identify The Research Questions</b>	<ul style="list-style-type: none"><li>• SLR (Systematics Literature Review)</li></ul>
<b>Conduct a Literature Review</b>	<ul style="list-style-type: none"><li>• Make a review using AI</li></ul>
<b>Evaluate Existing Studies</b>	<ul style="list-style-type: none"><li>• Make a conclusion based the analyzed SLR</li></ul>
<b>Identify Gaps in The Existing Empirical Evidence</b>	<ul style="list-style-type: none"><li>• Discuss it with your supervisor</li></ul>
<b>Develop New Empirical Research</b>	<ul style="list-style-type: none"><li>• Based on your empirical gap conclusion</li></ul>
<b>Conduct New Empirical Research</b>	<ul style="list-style-type: none"><li>• Using software to test it</li></ul>



# Methodological Gap

Refers to a gap in the research methodology used in a particular research area or topic.

Occurs when there are limitations or flaw in the research methods used to collect, analyze or interpret data, resulting in incomplete or inaccurate findings.

Can occurs due to various reasons such as:

- Limitations in the available research methods
- Inappropriate or inadequate sample sizes
- Inadequate control of extraneous variables
- Biases in data collection or interpretation

It's essential identify the methodological gaps to advance knowledge in the field & to develop a more comprehensive & accurate understanding of the phenomenon under study.



# Methodological Gap Examples

May exist when there is lack of appropriate research methods or techniques to adequately address a particular research question or hypothesis



## Lack of Appropriate Measurement Tools

Research Article



<https://www.sciencedirect.com/science/article/pii/S0148296323007051>



The survey aimed at collecting generic and empirical data for a public entity, and not further developing complex constructs.

## Inadequate Sampling Methods

Research Article



<https://www.sciencedirect.com/science/article/pii/S2352673423000574>



Inferences from samples of well-educated individuals in developed countries may be inapplicable to developing countries.

## Insufficient Statistical Methods

Research Article



<https://www.mdpi.com/2071-1050/13/16/9249>



Replicating this research with new statistics would enable cross-validation and enhanced measures.





# Steps in Finding The Methodological Gap

<b>Identify The Research Questions</b>	<ul style="list-style-type: none"><li>• SLR (Systematics Literature Review)</li></ul>
<b>Conduct a Literature Review</b>	<ul style="list-style-type: none"><li>• Make a review using AI</li></ul>
<b>Evaluate Existing Studies</b>	<ul style="list-style-type: none"><li>• Make a conclusion based the analyzed SLR</li></ul>
<b>Identify Gaps in The Existing Methodology</b>	<ul style="list-style-type: none"><li>• Discuss it with your supervisor</li></ul>
<b>Develop New Empirical Research</b>	<ul style="list-style-type: none"><li>• Based on your empirical gap conclusion</li></ul>
<b>Conduct New Research With a Different Methodology</b>	<ul style="list-style-type: none"><li>• Using software to test it</li></ul>



# Literature Gap

Refers to a gap in the existing literature or previous research on a particular research area or topic.

Occurs when there is a lack of research or limited research on a particular aspect of a phenomenon, resulting in an incomplete or inadequate understanding of the phenomenon.

Can occur due to various reasons such as:

- Limited research in a particular area
- Changes in the social or economic environment
- Emergence of new phenomena that require new research

Identifying literature gaps is essential to advance knowledge in the field & to develop a more comprehensive & accurate understanding of phenomenon under study.



# Literature Gap Examples

Exist when there is lack of research on a particular topic or a research question that has not been adequately addressed in the existing literature.



Lack of research on a particular population such as individuals with a specific business or a group of minority business in a particular area



This gap may result in limited understanding of the needs & experiences of a populations



Inadequate attention to a particular aspect of a topic, a different treatment of a rules in different countries.



This gap may result in a limited understanding of the broader implications of the topic & may need a comprehensive policies or interventions.



Insufficient attention to emerging issues such as new technologies or changes in social or economics conditions.



# Steps in Finding The Literature Gap

Identify The Research Questions	<ul style="list-style-type: none"><li>• SLR (Systematics Literature Review)</li></ul>
Conduct a Literature Review	<ul style="list-style-type: none"><li>• Make a review using AI</li></ul>
Evaluate Existing Studies	<ul style="list-style-type: none"><li>• Make a conclusion based the analyzed SLR</li></ul>
Evaluate Existing Studies	<ul style="list-style-type: none"><li>• Discuss it with your supervisor</li></ul>
Identify Gaps in the literature	<ul style="list-style-type: none"><li>• Based on your empirical gap conclusion</li></ul>
Develop Research Question	<ul style="list-style-type: none"><li>• Using software to test it</li></ul>



# Historical Gap

Refers to a gap in knowledge or understanding of a specific event, period or phenomenon in history due to lack of available information, biased sources or limited perspective.

Occurs when information is lost or destroyed over time or when dominant narratives exclude or marginalize certain perspective.

May exist in:

- Our understanding of the experiences of marginalized communities
- The impact of certain events on different groups.

This gap can limit our understanding of history & may perpetuate historical injustices or stereotypes.



# Historical Gap Examples

Exist when there is lack of information or understanding about a particular period, event or phenomenon in history.



Limited information about the daily lives of marginalized group.



Many historical records focus on the experiences of dominant groups, such as wealthy or powerful individuals, while providing little information about the daily lives of marginalized groups.



Incomplete records of important events.



Historical records may be incomplete or biased, leading to gaps in our understanding of important events or phenomena.



For example, records of colonialism or slavery may not accurately reflect the experiences of the colonized or enslaved populations.





# Steps in Finding The Literature Gap

<b>Identify The Research Questions</b>	<ul style="list-style-type: none"><li>• SLR (Systematics Literature Review)</li></ul>
<b>Conduct a Literature Review</b>	<ul style="list-style-type: none"><li>• Make a review using AI</li></ul>
<b>Analyze existing historical documents</b>	<ul style="list-style-type: none"><li>• Make a conclusion based the analyzed SLR</li></ul>
<b>Identify gaps in the historical record</b>	<ul style="list-style-type: none"><li>• Discuss it with your supervisor</li></ul>
<b>Develop research questions or hypotheses</b>	<ul style="list-style-type: none"><li>• Based on your empirical gap conclusion</li></ul>
<b>Conduct new historical research</b>	<ul style="list-style-type: none"><li>• Using software to test it</li></ul>



# Cultural Gap

Refers to a gap in understanding between individuals or groups from different cultural backgrounds.

Occurs when there is a lack of knowledge or awareness of the cultural norms, values, beliefs & practices of another group, leading to miscommunication, misunderstandings & cultural clashes.

Can occur due to various reasons such as:

- Differences in language
- Differences in social norms
- Differences in religion
- Differences in ethnicity
- Differences in race
- Differences in gender



# Cultural Gap Examples

Exist when there is lack of understanding or knowledge about particular culture or cultural practices.



Misunderstanding of cultural values & beliefs



May arise when individuals from different cultures have different values & beliefs that are not well understood or appreciated



Lack of knowledge about cultural practices



May arise when individuals have a lack of knowledge about cultural practices or customs.



For example, records of colonialism or slavery may not accurately reflect the experiences of the colonized or enslaved populations.



May arise when certain cultural perspectives are underrepresented or marginalized in society.



Stereotyping & prejudice based on cultural differences can also contribute to cultural gaps.





# Steps in Finding The Literature Gap

<b>Identify The Research Questions</b>	<ul style="list-style-type: none"><li>• SLR (Systematics Literature Review)</li></ul>
<b>Conduct a Literature Review</b>	<ul style="list-style-type: none"><li>• Make a review using AI</li></ul>
<b>Analyze existing cultural material</b>	<ul style="list-style-type: none"><li>• Make a conclusion based the analyzed SLR</li></ul>
<b>Identify gaps in the historical record</b>	<ul style="list-style-type: none"><li>• Discuss it with your supervisor</li></ul>
<b>Identify gaps in cultural record</b>	<ul style="list-style-type: none"><li>• Based on your empirical gap conclusion</li></ul>
<b>Develop research question or hypotheses</b>	<ul style="list-style-type: none"><li>• Using software to test it</li></ul>



# Conceptual Gap

Refers to a lack of understanding or agreement about the fundamental concepts, theories or ideas that are relevant to a particular research area or topic.

Occurs when there is confusion or disagreement about the meaning or application of key concepts, leading to a lack of coherence or consistency in research findings.

Can arise due to various reasons such as:


- Differing definitions of concepts
- Conflicting theoretical perspectives
- Lack of clarity in the research design or methodology



# Conceptual Gap Examples





 Lack of agreement on the definition of a key concept

 Different meaning of 'leadership' as a individual characteristic or as a process or behavior

 Conflicting theoretical perspectives

 Different theoretical perspectives may provide conflicting explanations for a phenomenon, resulting in a conceptual gap.

 Ambiguity in research design or methodology

 Lack of clarity in research objectives can lead to a conceptual gap in research.



# Steps in Finding The Conceptual Gap

<b>Identify The Research Questions</b>	<ul style="list-style-type: none"><li>• SLR (Systematics Literature Review)</li></ul>
<b>Conduct a Literature Review</b>	<ul style="list-style-type: none"><li>• Make a review using AI</li></ul>
<b>Analyze existing conceptual framework</b>	<ul style="list-style-type: none"><li>• Make a conclusion based the analyzed SLR</li></ul>
<b>Identify gaps in the conceptual frameworks</b>	<ul style="list-style-type: none"><li>• Discuss it with your supervisor</li></ul>
<b>Identify gaps in cultural record</b>	<ul style="list-style-type: none"><li>• Based on your empirical gap conclusion</li></ul>
<b>Develop new conceptual framework</b>	<ul style="list-style-type: none"><li>• Using software to test it</li></ul>





# Minda Muliana Sebayang

Google Scholar

<https://scholar.google.com/citations?user=vfYDPb8AAAAAJ&hl=id&authuser=1>

Email Address

[minda\\_sebayang@yahoo.co.id](mailto:minda_sebayang@yahoo.co.id)

Instagram

<https://www.instagram.com/mindasebayang/>