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EDUCATING FOR ENTERPRISE: HOW SCHOOLS FOSTER ENTREPRENEURIAL COMPETENCE

A Systematic Literature Review (SLR) on trends, methods, challenges, and the role of digitalization in Entrepreneurship Education (EE).

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07 Finding 4: Digitalization and Technology Opportunities

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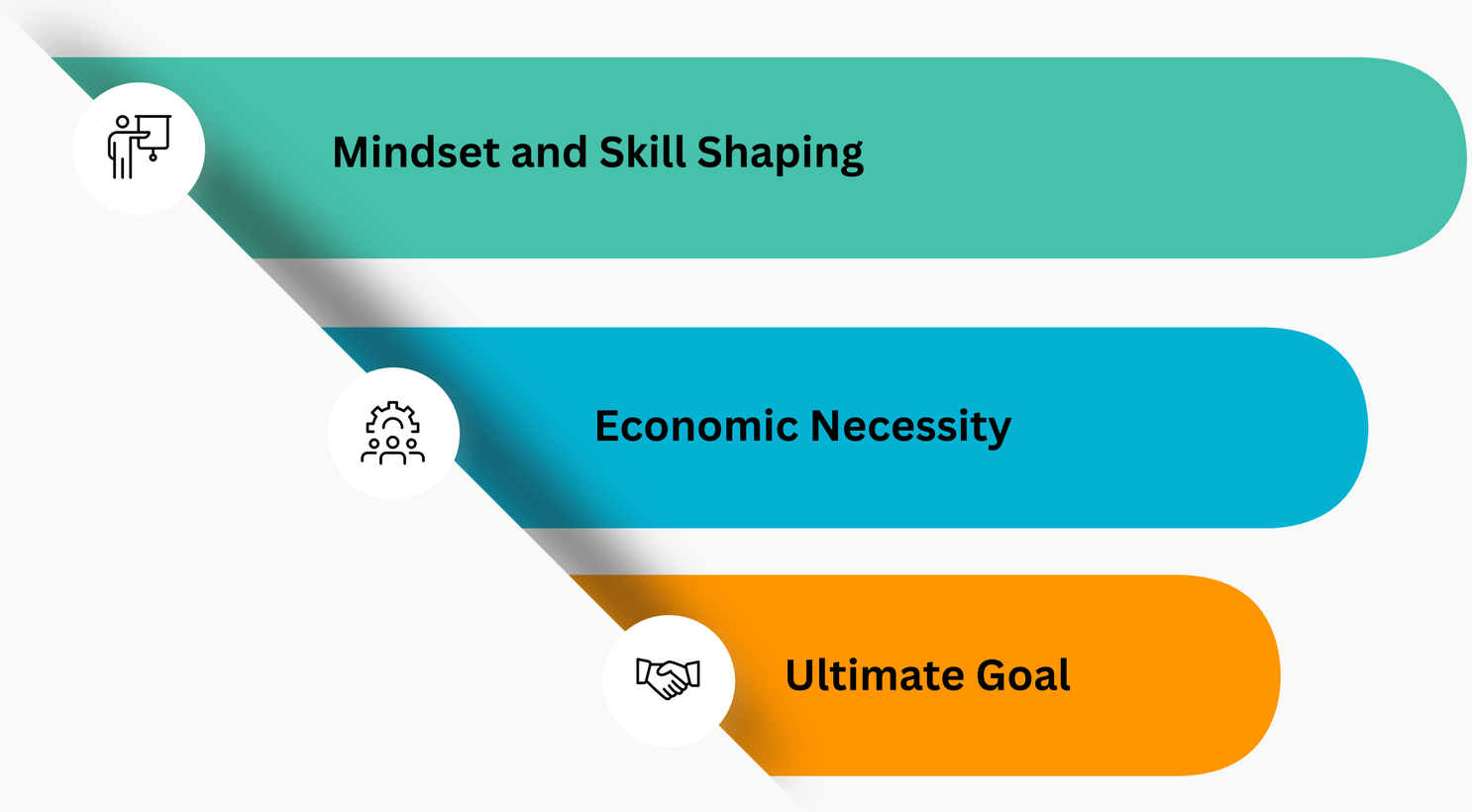
BACKGROUND AND URGENCY

Why is Entrepreneurship Education Essential?



Mindset and Skill Shaping

Entrepreneurship Education (EE) not only provides theoretical knowledge, but also shapes entrepreneurial attitudes, behavior, and thinking.

Economic Necessity

Entrepreneurial skills are seen as a necessity for thriving in a dynamic economy amid global economic uncertainty and intense labor market competition.

Ultimate Goal

To cultivate creativity, innovation, and calculated risk-taking, enabling individuals to create jobs rather than merely seek employment.

METHODOLOGY

Analytical Approach:
Systematic Literature Review (SLR)

SYSTEMATIC LITERATURE REVIEW (SLR)

Definition

- SLR is a method used to systematically identify, assess, and interpret existing research results.

Goal

- To provide a comprehensive understanding of the development in the field of entrepreneurship education.

Journal Source

Scientific journals indexed by Scopus and Sinta.

Time Span

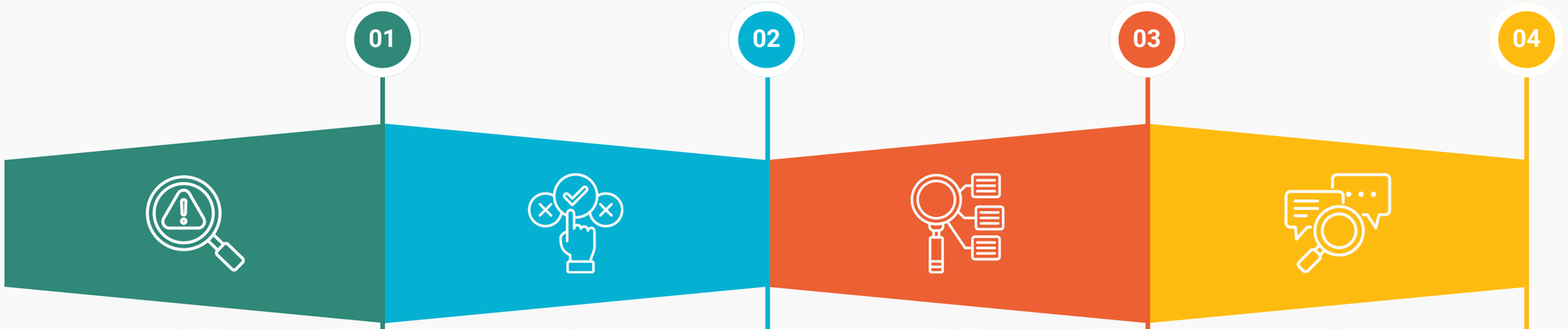
The last 5-10 years from the journal search date (March 1, 2025).

Relevance

Focused on four main topics: Influence on entrepreneurial interest, learning methods, implementation challenges, and digitalization in EE.

LITERATURE ANALYSIS PROCEDURE

Key Phases in the SLR Process



Identification

Collecting journals from Scopus and Sinta databases using specific keywords.

Selection

Initial selection based on title, year, and abstract, followed by a full content analysis.

Categorization & Analysis

Grouping literature into the four main themes and identifying patterns and research gaps.

Interpretation & Conclusion

Developing a broader understanding and compiling recommendations for further research.

KEY FINDING (1):
IMPACT AND MECHANISM OF EE

Impact Visualization (Schematic Representation)

Limitation Noted

Most studies are cross-sectional, so they cannot explain the long-term impact on entrepreneurial decisions after graduation.

The Relationship Between EE and Entrepreneurial Interest

Research Focus	Key Finding	Supporting References
Overall Impact	EE significantly increases entrepreneurial interest.	Tyra & Sarjono (2020); Hafid et al. (2025); Sofiani & Subroto (2024).
Mechanism	The increase is primarily driven by improved self-efficacy.	Mei et al. (2020); Shah et al. (2020).

KEY FINDING (2):
EFFECTIVE LEARNING METHODS

Experiential Approaches Outperform Conventional Theory

Finding:

Experience-based methods are more effective than traditional theory-based methods.

Effective Methods:

- Value-Creation Pedagogy.
- Challenge-Based Learning.
- Experiential Learning.

Why they Work

They allow students to learn through real-world practice and develop problem-solving abilities.

Comparison Table

Method Type	Effectiveness	Key Benefit
Experiential	High	Improves entrepreneurial understanding and skills in greater depth.
Conventional	Low	Still tend to be based on theory.

KEY FINDING (3):
IMPLEMENTATION CHALLENGES

Three Major Obstacles to Effective EE Implementation

Method Type	Effectiveness	Key Benefit
Inflexible Curriculum	Curricula are often oriented toward workforce creation, not entrepreneurship, leading to graduates lacking applicable skills.	Marliyah (2024).
Teacher Competence	Many educators lack firsthand business experience, which limits their ability to deliver practical instruction.	Guerrero et al. (2020); Mukhtar et al. (2021).
Ecosystem Support	Weak support within institutions, including limited access to entrepreneurial resources like business incubators and funding.	Iwu et al. (2019).

KEY FINDING (4):
DIGITALIZATION AND TECHNOLOGY

The Role of Digitalization in Entrepreneurship Education

Implementation

The use of Artificial Intelligence (AI), e-learning, and digital business simulations has begun to be implemented in EE.

Opportunity

Digitalization can improve the accessibility of EE, especially for students in remote areas.

Gaps & Challenges

- Empirical comparison between digital and conventional methods is scarce; effectiveness needs further study.
- Access to technology is still uneven, especially for institutions in remote areas.

IMPLICATIONS AND FUTURE RESEARCH DIRECTIONS

Summary of Research Gaps (Basis for Further Study)

Long-Term Impact 1

Evaluating the long-term impact of EE on the success of graduates' businesses.

Method Comparison 2

Comparing the effectiveness of various EE learning methods at different educational levels.

Teacher Strategy 3

Developing effective strategies for improving teacher competence in teaching experience-based entrepreneurship.

Digital Evaluation & Access 4

Evaluating the effectiveness of digital technology and how it can help students in remote areas access EE more effectively.

CONCLUSION AND CALL TO ACTION

Positive Effect

EE is effective, primarily by increasing **self-efficacy.**

Harness Technology

Digitalization offers great potential but requires focused research and **collaboration to ensure equitable access.**

Quality is Key

The effectiveness depends on using **experience-based learning methods.**

Action Required

Reforms are needed in curriculum design and **teacher competence** (gaining business experience).

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THANK YOU

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