



E-PROCEEDINGS

INTERNATIONAL TINKER INNOVATION & ENTREPRENEURSHIP CHALLENGE (i-TIEC 2025)

"Fostering a Culture of Innovation and Entrepreneurial Excellence"



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23 January 2025
PTDI, UiTM Cawangan Johor
Kampus Pasir Gudang

ORGANIZED BY:

Electrical Engineering Studies, College of Engineering
Universiti Teknologi MARA (UiTM) Cawangan Johor
Kampus Pasir Gudang

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PREFACE

It is with great pleasure that we present the e-proceedings of International Tinker Innovation & Entrepreneurship Challenge (i-TIEC 2025), which compiles the extended abstracts submitted to the International Tinker Innovation & Entrepreneurship Challenge (i-TIEC 2025), held on 23 January 2025 at **PTDI, Universiti Teknologi MARA (UiTM) Cawangan Johor, Kampus Pasir Gudang**. This publication serves as a valuable resource, showcasing the intellectual contributions on the invention and innovation among students, academics, researchers, and professionals.

The International Tinker Innovation & Entrepreneurship Challenge (i-TIEC 2025), organized under the theme "Fostering a Culture of Innovation and Entrepreneurial Excellence," is designed to inspire participants at various academic levels, from secondary students to higher education students and professionals. The competition emphasizes both innovation and entrepreneurship, encouraging the development of product prototypes that address real-world problems and have clear commercialization potential. By focusing on technological and social innovations, i-TIEC 2025 highlights the importance of turning creative ideas into viable, market-ready solutions that can benefit users and society. The extended abstracts in this e-proceedings book showcase the diverse perspectives and depth of research presented during the event, reflecting the strong entrepreneurial element at its core.

We extend our sincere gratitude to the contributors for their dedication in sharing their innovation and the organizing committee for their hard work in ensuring the success of the event and this publication. We also appreciate the support of our collaborators; Mass Rapid Transit Corporation Sdn. Bhd. (MRT Corp), Universitas Labuhanbatu, Indonesia (ULB), Universitas Riau Kepulauan, Indonesia (UNRIKA) and IEEE Young Professionals Malaysia, whose contributions have been instrumental in making this event and publication possible.

We hope that this e-proceedings book will serve as a valuable reference for researchers, educators, and practitioners, inspiring further studies and collaborations in both innovation and entrepreneurship. May the knowledge shared here continue to spark new ideas and market-ready solutions, advancing our collective expertise and fostering the growth of entrepreneurial ventures.

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B-SS100: FINANCIAL LITERACY TOOLKIT FOR ISLAMIC INVESTMENT

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ABSTRACT

In today's fast-paced society, financial literacy often lacks engaging and accessible resources, despite a growing need for practical information. The Muslim community has a substantial knowledge and application gap as a result of the intricate way Islamic investment concepts are presented. The 'Financial Literacy Toolkit for Islamic Investment' (FINALTII) is an interactive educational toolkit designed to bridge this gap by educating users about Islamic investment. Created using online resources, it features captivating infographics and comic-style visuals that transform complex information into relatable, easy-to-understand content while focusing on Shariah-compliant investments such as property, stocks, commodities, and mutual funds. This product highlights core principles of Islamic finance while creatively illustrating investment concepts through everyday experiences. The potential impact of this innovation extends beyond individual comprehension. By enhancing Islamic financial literacy, the toolkit aims to empower communities, fostering economic growth and stability. As an educational tool for individuals and Islamic institutions at both national and international levels, it supports the development of informed investors, ultimately contributing to a more resilient socioeconomic landscape. Upon its market introduction, we anticipate it will significantly raise public awareness and understanding of Islamic investment, paving the way for increased socio-economic development within the community.

Keywords: Islamic Finance, Investment Education, Online Learning, Interactive Discovery, Infographic Toolkit

1. Product Description

The Financial Literacy Toolkit is an attempt at innovation in education supporting investment and entrepreneurship. It is designed to empower aspiring investors within the Muslim community. Developed using free online design tools, this toolkit adapts concepts from established financial Islamic literature and lecture modules, providing a visually engaging and accessible resource for learners. This toolkit is aimed at students, young professionals, and aspiring investors within the Muslim community who seek to enhance their financial knowledge and investment skills.

The Objectives:

To enhance financial literacy among Muslim investors s by integrating Islamic finance principles.

To provide practical tools and resources that support the development of investment skills.

To foster a community of informed investors who can navigate the complexities of starting and managing a business following Islamic values.

Key Features:

Interactive Modules: Engaging content covering essential topics, including budgeting, investment strategies, and risk management, all aligned with Islamic finance principles.

Visual Aids: Infographics, charts, and templates designed to simplify complex concepts and enhance understanding.

Case Studies: Real-life examples highlighting successful Muslim investors to inspire and motivate learners.

Community Engagement: Platforms for learners to connect, share experiences, and collaborate on investment projects.

Expected Outcomes:

Participants will gain a solid foundation in financial literacy, enabling them to make informed decisions in their investment ventures while adhering to Islamic principles. The toolkit aims to cultivate a new generation of ethical investment who contribute positively to their communities.Screenshots

The following are some of the screenshots from the toolkit:

2. Screenshots

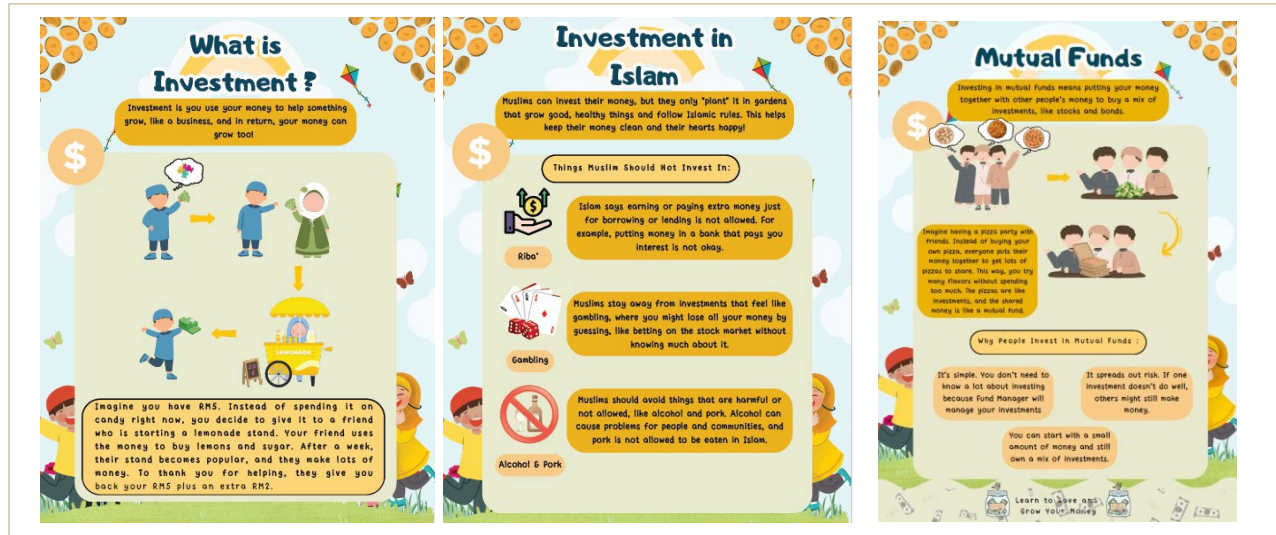


Figure 1. Screenshots from the Toolkit

3. Novelty and Uniqueness

The toolkit for Islamic financial investment stands out due to its innovative approach to financial education. By presenting complex financial concepts through engaging infographic styles and comic-style images, the toolkit makes learning accessible and enjoyable for individuals of all age groups. This visual and interactive method not only simplifies the understanding of Islamic financial principles but also ensures that users remain engaged and motivated throughout their learning journey. Additionally, the inclusion of activities designed to reinforce key concepts further enhances the toolkit's effectiveness, making it a comprehensive and user-friendly resource for anyone interested in Islamic financial investment.

The use of comic-style images and interactive activities bridges the gap between traditional financial education and modern learning preferences, providing a unique and memorable learning experience. By combining visual appeal with practical exercises, the toolkit not only educates but also empowers users to make informed financial decisions in accordance with Islamic principles. This blend of creativity, accessibility, and educational value makes the toolkit a pioneering resource in the field of Islamic financial investment.

4. Benefit to Mankind

The toolkit for Islamic financial investment offers significant benefits to mankind by making financial education accessible and engaging. The chosen approach simplifies complex financial concepts, making them easy to understand for individuals of all ages. This approach not only enhances financial literacy but also empowers people to make informed investment decisions under Islamic principles. The interactive activities included in the toolkit reinforce learning, ensuring that users can apply their knowledge effectively. Ultimately, this toolkit

promotes financial inclusion, ethical investment practices, and economic empowerment, contributing to the overall well-being and prosperity of communities.

5. Innovation and Entrepreneurial Impact

The toolkit for Islamic financial investment is a groundbreaking innovation that revolutionizes financial education. By presenting complex financial concepts through engaging infographics and comic-style images, it makes learning accessible and enjoyable for all age groups. This unique approach not only enhances financial literacy but also empowers individuals to make informed investment decisions in accordance with Islamic principles. The toolkit's interactive activities further reinforce understanding, making it a comprehensive and user-friendly resource. Its innovative design and educational value have the potential to drive investment growth by equipping users with the knowledge and skills needed to navigate the financial landscape effectively. This blend of creativity, accessibility, and practical application positions the toolkit as a pioneering resource in the field of Islamic financial investment, fostering economic empowerment and ethical investment practices.

6. Potential commercialization

There is a great deal of opportunity for the Islamic financial investment toolkit to be commercialized in the Malaysian and global Islamic markets. Its innovative approach, using engaging infographics and comic-style images, makes it accessible and appealing to a wide audience. This toolkit can be marketed through educational institutions, financial organizations, and online platforms to reach a diverse user base. The identified platforms and strategies for commercialization are as follows:

Educational Institutions: Partner with schools, universities, and training centres to integrate the toolkit into their curriculum.

Financial Organizations: Collaborate with banks and financial advisory firms to offer the toolkit as a resource for their clients.

Online Platforms: Utilise e-commerce websites, social media, and dedicated websites to promote and sell the toolkit.

Workshops and Seminars: Conduct workshops and seminars to demonstrate the toolkit's effectiveness and engage potential users.

By leveraging these platforms and strategies, the toolkit can achieve widespread adoption and make a significant impact in the field of Islamic financial education. This project aims to inspire and equip future leaders in the Muslim business landscape by leveraging modern design tools and educational methodologies.

In conclusion, this 'Financial Literacy Toolkit for Islamic Investment' represents a significant step towards bridging the gap between education and practical application in the realm of Islamic finance and investment.

7. Acknowledgment

We extend our heartfelt thanks to Aliff Hakimi Aslizani (2024252012) for helping with the graphic design of the product and to everyone involved in this project for their dedication and hard work. Your contributions have been invaluable.

8. Authors' Biography



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