



International Teaching Aid
Competition 2023

Reconnoitering Innovative Ideas in Postnormal Times

iTAC

2023

iTAC 2023
INTERNATIONAL TEACHING AID COMPETITION
E-PROCEEDINGS

Copyright © 2023 is held by the owner/authors(s). These papers are published in their original version without editing the content.

The views, opinions and technical recommendations expressed by the contributors are entirely their own and do not necessarily reflect the views of the editors, the Faculty or the University.

Copy Editors: *Syazliiyati Ibrahim, Azni Syafena Andin Salamat, Berlian Nur Morat (Dr.), Najah Mokhtar, Noor 'Izzati Ahmad Shafiai, Muhamad Khairul Anuar Bin Zulkepli (Dr.)*

Cover Design : *Asrol Hasan*

Layout : *Nurina Anis Mohd Zamri*

eISBN : 978-967-2948-51-3

Published by : Universiti Teknologi MARA Cawangan Kedah,
08400 Merbok,
Kedah,
Malaysia.

Rosnan, Jamil Iswan Bin Abu Daud , Muhammad Yusuf Bin Masod

- | | | |
|-----|--|------------|
| 46. | <i>INNOVATION OF RIFFAA D’HATI CONCEALER USING THE IMPLEMENTATION OF AUGMENTED REALITY TECHNOLOGY AND QR CODE</i> | 314 |
| | <i>NurFatin Nabila Binti Che Mad Fauzi, Ts. Mastura Binti Omar, Dr. Shalida Binti Mohd Rosnan, Dr. Mohd Khairul Azahari Bin Abdul Rani, Nik Atilla Atasha Binti Shamsuddin</i> | |
| 47. | <i>GOOD MONEY HABITS: E-GUIDEBOOK FOR KIDS</i> | 321 |
| | <i>Nurul Shafiqah Azman, Wan Fareeza Wan Ahmad Fazlisyah, Nur Anisah Ghazat, Nurul Asyikin Shafarudin Noorain Mohd Nordin</i> | |
| 48. | <i>CHEMCALC: ONLINE CHEMISTRY CALCULATOR</i> | 327 |
| | <i>Nur Atiqah binti Zaharullil, Muhammad Afifi bin Muhammad Sabri, Nurul Husaifah Binti Mohd Hanapi</i> | |
| 49. | <i>THREE-DIMENSIONAL AUGMENTED REALITY: A TRANSFORMATIVE TOOL FOR ENHANCING MACHINERY TEACHING AND LEARNING</i> | 334 |
| | <i>Mohd Hafizz Wondi, Nur Izzah Nabilah Haris, Sharifah Raina Manaf, Muhamad Nasarudin Sulaiman, Muhamad Syukrie Abu Talip</i> | |
| 50. | <i>TRANSFORMING EDUCATION WITH INNOVATIVE E-LEARNING TOOLS IN BLENDED LEARNING</i> | 342 |
| | <i>Nurulashikin Romli, Suhana Mohamed, Azianti Ismail, Sharazad Haris, Mohamad Azwan Md Isa</i> | |
| 51. | <i>FINANCIAL LITERACY ON THE WEB VIA SAVE4FUTURE</i> | 349 |
| | <i>Nur Iman Alya Binti Shukri, Aishah Anis Binti Jais, Muhammad Haziq Ziqri Bin Baharuddin, Roszi Naszariah Nasni Binti Naseri</i> | |
| 52. | <i>WEBIMINE: WEBINAR MANAGEMENT SOLUTION TOOLKIT FOR LEGAL EDUCATION</i> | 354 |
| | <i>Nurus Sakinatul Fikriah Mohd Shith Putera, Mastika Nasrun, Syazni Nadzirah Ya’cob, Ahmad Ridhwan Abd Rani, Hariz Sufi Zahari, Muhammad Azril Bin Roslan</i> | |
| 53. | <i>PAT-BLOCK 2.0</i> | 359 |
| | <i>Amirudin Mohd Nor, Prof. Ts Dr. Shafinar Ismail, Nur Farisha Affin Razali, Sofea Balqis Rusli, Fatin Salma Abu Seman</i> | |

PREFACE

iTAC or International Teaching Aid Competition 2023 was a venue for academicians, researchers, industries, junior and young inventors to showcase their innovative ideas not only in the teaching and learning sphere but also in other numerous disciplines of study. This competition was organised by the Special Interest Group, Public Interest Centre of Excellence (SIG PICE) UiTM Kedah Branch, Malaysia. Its main aim was to promote the production of innovative ideas among academicians, students and also the public at large.

In accordance with the theme "Reconnoitering Innovative Ideas in Post-normal Times", the development of novel ideas from the perspectives of interdisciplinary innovations is more compelling today, especially in the post-covid 19 times. Post-pandemic initiatives are the most relevant in the current world to adapt to new ways of doing things and all these surely require networking and collaboration. Rising to the occasion, iTAC 2023 has managed to attract more than 267 participations for all categories. The staggering number of submissions has proven the relevance of this competition to the academic world and beyond in urging the culture of innovating ideas.

iTAC 2023 committee would like to thank all creative participants for showcasing their innovative ideas with us. As expected in any competition, there will be those who win and those who lose. Congratulations to all the award recipients (Diamond, Gold, Silver and Bronze) for their winning entries. Those who did not make the cut this year can always improve and join us again later.

It is hoped that iTAC 2023 has been a worthy platform for all participating innovators who have shown ingenious efforts in their products and ideas. This compilation of extended abstracts published as iTAC 2023 E-Proceedings contains insights into what current researchers, both experienced and novice, find important and relevant in the post-normal times.

Best regards,

iTAC 2023 Committee
Special Interest Group, Public Interest Centre of Excellence (SIG PICE)
UiTM Kedah Branch
Malaysia

GOOD MONEY HABITS: E-GUIDEBOOK FOR KIDS

Nurul Shafiqah Azman

Faculty of Business and Management, Universiti Teknologi MARA, Cawangan Melaka
2022495092@student.uitm.edu.my

Wan Fareeza Wan Ahmad Fazlisyah

Faculty of Business and Management, Universiti Teknologi MARA, Cawangan Melaka
2022660384@student.uitm.edu.my

Nur Anisah Ghazat

Faculty of Business and Management, Universiti Teknologi MARA, Cawangan Melaka
2022449926@student.uitm.edu.my

Nurul Asyikin Shafarudin

Faculty of Business and Management, Universiti Teknologi MARA, Cawangan Melaka
2022865018@student.uitm.edu.my

Noorain Mohd Nordin

Faculty of Business and Management, Universiti Teknologi MARA, Cawangan Melaka
noorainnordin01@gmail.com

ABSTRACT

A financial plan is a road map or simple visual guide that helps us achieve our objectives, whether on our own or with the assistance of a professional. It is an excellent method for developing plans for achieving short-term and long-term objectives. It may reduce financial stress to support current needs and help us to save for long-term goals like retirement. Good Money Habits is an electronic guidebook designed for kids to teach them how to manage and save money at a young age. Furthermore, the existing e-guidebook is complicated and not completely attractive for kids. Therefore, Good Money Habits was designed as a financial guidance tool for kids to learn more about financial planning. The main objective of Good Money Habits is to develop knowledge and skill to create a balanced plan to accomplish future goals. In addition, it also eases the process of managing or utilizing these funds efficiently. In terms of its novelty, this e-guidebook comes with notes, video animation, and interactive activities. The benefits of this product are as follows: i) it is easy to learn and use, ii) it develops abilities for increased savings, iii) it helps implement the right plan, and iv) it enhances knowledge to be prepared for an emergency fund. It is suitable to be used as a guidebook for kids to explore how financial planning might effectively achieve future goals. Hence, with this e-guidebook, it will be easier to encourage them to save money and be more disciplined toward their financial goals.

Keywords: financial plan, guidebook, electronic, goals, funds

BACKGROUND

It is essential to educate children about finances early on for their holistic growth. Studies demonstrate that providing financial literacy at a young age enhances decision-making abilities and behaviours in the future. By instilling fundamental financial knowledge, we empower children to make intelligent choices and cultivate positive habits. Research also highlights improved attitudes towards money and increased savings among children exposed to financial education.

FINANCIAL PLANNING TIPS FOR KIDS

Wants Vs Needs

It is crucial for children to grasp the concept of distinguishing between wants and needs and to understand the impact of these choices. Wants to represent desired items such as toys or gadgets, while needs encompass essential elements for happiness and well-being, such as food, shelter, and education. Abraham Maslow's Hierarchy of needs categories these requirements into physiological, safety, love and belonging, esteem, and self-actualization, emphasising their significance for survival and overall welfare. Therefore, meeting basic needs takes precedence before pursuing wants and aspirations, ensuring access to food, a secure home, and education. Prioritising necessities lays the foundation for managing wants and dreams effectively.

Set Savings Goals

Saving money is a vital lesson for children, but understanding its importance and achieving goals can sometimes be challenging. Fortunately, parents can introduce the SMART principle to assist them. SMART emphasises setting goals that are Specific, Measurable, Achievable, Realistic, and Time-related. Clear objectives allow children to know precisely what they aim to accomplish, with measurable outcomes. Goals should be attainable and realistic to avoid feeling overwhelmed. Establishing a timeframe provides a deadline to work towards, promoting a sense of direction.

Ways to Earn Money

Motivate kids to explore ways to earn money and save for their goals. Consider giving them an allowance or paying them for completing household tasks, assigning a specific value to each task. Early discussions about money and teaching them to work on commission foster independence and financial literacy. Encourage values of perseverance, giving, and wise

money management. Discuss options for giving, spending, and saving. By instilling sound financial habits from an early age, children gain peace and preparedness for their financial future. Open family discussions and lead by example to cultivate responsible financial management in their teenage and adult years. The journey to financial responsibility can begin now.

Save And Invest

Deri Freeman, a certified financial planner at Prudential Financial in Washington, suggests encouraging children to work a summer job and set up a savings or retirement account. This will incentivize them to save for long-term goals and help them build the habit of saving early. An account that allows for tax-free savings is one of the best places for kids to put in their earned income. An adult must open a custodial account for a minor until the child reaches the age of majority. It is the primary method for saving for retirement and can assist them in achieving other financial goals.

Use Clear Jar

Saving money in a clear jar can be exciting and beneficial, as it presents kids with a visual representation of their savings. It makes it easy for kids to easily access and count their money, and they can gain a sense of success and satisfaction as the money increases in the jar. They can also create savings objectives and use the glass jar to track their progress, creating a sense of purpose and resolve. Using a clear jar also teaches children the value of money and the importance of saving, as they can choose when and how much to save, encouraging a sense of financial independence. It also allows children to practise counting, sorting, and basic mathematical abilities. By using a clear jar, children can begin to learn beneficial saving habits at a young age.

Opportunity Cost

The most important details in this text are that making decisions and getting opportunity costs provides an opportunity to learn and grow. It teaches children that when they choose to spend their time and money on one thing, they are sacrificing the opportunity to obtain something else. It also teaches them to analyse numerous options, think about the benefits and negative aspects, and make decisions based on what is most important to them. It also teaches them that sometimes choosing one option means waiting for or giving up immediate satisfaction. It also teaches them the value of patience and delayed pleasure by opting for a higher-value opportunity in the long run. As a parent, explain to your children that making decisions and getting opportunity costs provides an opportunity to learn and grow.

PROBLEM STATEMENT

The problem statement revolves around the challenges faced by children who lack financial literacy. When kids have no knowledge in financial needs, they may encounter difficulties in managing their money. This can manifest in impulsive spending, a lack of prioritisation, and struggles with budgeting. Therefore, they may face financial hardships and find it challenging to fulfil their future financial obligations. Additionally, children without a basic understanding of financial needs miss out on valuable opportunities for financial growth. Their limited awareness of concepts such as saving, investing, and making sound financial decisions restricts their ability to build wealth and achieve long-term goals. Moreover, their lack of grasp on the significance of saving, informed spending decisions, and future planning can lead to struggles with financial discipline, increased risk of making financial mistakes, and experiencing financial hardships.

OBJECTIVES

The purpose of developing this e-guidebook is to deliver a dynamic and interactive learning journey for children, acquainting them with the fundamentals of financial literacy. It aims to instil responsible money management habits from an early age and emphasises the advantages of early financial education in their lives. By engaging and captivating children with interactive learning experiences, the guidebook introduces financial literacy in an accessible and enjoyable manner tailored to their understanding. Through this approach, it fosters the development of responsible money management skills, nurturing their financial well-being from a young age.

NOVELTY

The e-guidebook introduces several novel features to enhance the learning experience for children. Interactive activities are included to make the process engaging and enjoyable, ensuring that children actively participate in their financial education. The incorporation of videos adds a dynamic element, enabling visual and auditory learning. Furthermore, the presence of animated elements within the e-guidebook makes it visually appealing, capturing children's attention and aiding in the understanding of complex financial concepts through simplified visual representations. Additionally, the inclusion of notes provides a convenient way for children to reference important information and reinforce key concepts, allowing them to revisit and review the material easily. Together, these novel elements create an immersive and effective learning environment for children's financial literacy development.

COMMERCIALIZATION POTENTIALS

The commercialization of this e-guidebook brings forth various advantages and opportunities. Its digital format enhances accessibility and convenience, allowing readers to engage with the content at their convenience, regardless of time and location. Moreover, compared to printed books, the e-guidebook offers a more cost-effective solution, making financial education affordable and within reach for a broader audience. Furthermore, the adoption of eBooks promotes environmental sustainability by reducing paper usage and minimising the ecological impact associated with traditional publishing methods. Lastly, the e-guidebook facilitates efficient publishing and global distribution, offering authors a seamless platform to share their work with a worldwide audience, eliminating barriers and bypassing the limitations of traditional publishing channels.

BENEFIT TO COMMUNITY

The e-guidebook offers numerous benefits for children, empowering them and fostering their financial development. It nurtures their self-reliance and confidence, enabling them to make independent financial decisions with assurance. By creating awareness about the responsible money management, informed decision-making, and understanding the consequences of their financial actions, the e-guidebook instils a sense of financial responsibility in children. Moreover, it equips them with strong money management skills, teaching them essential practices such as budgeting, tracking expenses, saving for goals, and making thoughtful spending choices. These skills lay the foundation for a lifetime of healthy financial habits, ensuring that children are well-prepared to navigate the complexities of personal finance.

CONCLUSION AND REFLECTION

In conclusion, when we empower children with financial guidance and nurture their financial literacy from an early age, we provide them with invaluable gifts and long-term advantages. By instilling healthy financial habits and equipping them essential knowledge, we prepare them to navigate the financial world responsibly and embark on a journey towards financial independence and success. Through teaching budgeting, helping them differentiate needs from wants, and fostering informed consumerism, we endow children with skills that extend beyond financial matters. These skills foster critical thinking, problem-solving, and self-confidence, enabling them to make informed decisions and face future challenges with resilience. The cultivation of financial education goes beyond money it imparts essential life skills that will benefit them in various aspects of their lives.

REFERENCES

- Batty, M., Collins, J. M., & Odders-White, E. (2015). Experimental Evidence on the Effects of Financial Education on Elementary School Students' Knowledge, Behavior, and Attitudes. *The Journal of Consumer Affairs*, 49(1), 69–96.
<http://www.jstor.org/stable/43861588>
- Epperson, S. (2023, April 28). 10 Smart Ways to Teach Kids About Money Through the Years. (2023, April 27). CNBC. Retrieved June 2, 2023, from <https://www.cnbc.com/2023/04/24/10-smart-ways-to-teach-kids-about-money-through-the-years.html>
- Lake, R. (n.d.). 10 Tips to Teach Your Child to Save Money. Investopedia. Retrieved June 2, 2023, from <https://www.investopedia.com/personal-finance/10-tips-teach-your-child-save/>
- Meraji, S. M., & Tagle, A. (2021, August 3). Financial Literacy for Kids: How to Talk About Money As a Family: Life Kit. NPR. Retrieved June 2, 2023, from <https://www.npr.org/2021/07/27/1021262899/finance-money-tips-kids-families-conversations>
- Peacock, C. (2023, April 10). What is Opportunity Cost for Kids in Simple Terms? GoHenry. Retrieved June 2, 2023, from <https://www.gohenry.com/uk/blog/financial-education/opportunity-cost-simple-terms>
- Schult, K., & Davis, T. (n.d.). Needs and Wants: Definition, Difference, & Examples. The Berkeley Well-Being Institute. Retrieved June 2, 2023, from <https://www.berkeleywellbeing.com/needs-and-wants.html>
- Set Savings Goals Using SMART Principle - The Chin Family. (n.d.). <https://www.ifec.org.hk/web/en/parent/teach-your-kids/smart-saving-goals.page>
- Solutions, R. (2022). 15 Ways to Teach Kids About Money. *Ramsey Solutions*.
<https://www.ramseysolutions.com/relationships/how-to-teach-kids-about-money>



e-proceedings

International Teaching Aid
Competition 2023
Reconnoitering Innovative Ideas in Postnormal Times

iTAC **2023**

e ISBN 978-967-2948-51-3



9 789672 948513