i-SPiKE 2023

INTERNATIONAL EXHIBITION & SYMPOSIUM ON PRODUCTIVITY, INNOVATION, KNOWLEDGE & EDUCATION

"Optimizing Innovation in Knowledge, Education and Design"

EXTENDED ABSTRACT

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Assalamualaikum warahmatullahi wabarakatuh,

First and foremost, I would like to express my gratitude to the organizing committee of i-Spike 2023 for their tremendous efforts in bringing this online competition a reality . I must extend my congratulations to the committee for successfully delivering on their promise to make i-Spike 2023 a meaningful event for academics worldwide.

The theme for this event, 'Optimizing Innovation in Knowledge, Education, and Design,' is both timely and highly relevant in today's world, especially at the tertiary level. Innovation plays a central role in our daily lives, offering new solutions for products, processes, and services By adopting a strategic approach to 'Optimizing Innovation in Knowledge, Education, and Design,' we have the potential to enhance support for learners and educators, while also expanding opportunities for learner engagement, interactivity, and access to education.

I am awed by the magnitude and multitude of participants in this competition. I am also confident that all the innovations presented have provided valuable insights into the significance of innovative and advanced teaching materials in promoting sustainable development for the betterment of teaching and learning. Hopefully, this will mark the beginning of a long series of i-Spike events in the future.

It is also my hope that you find i-Spike 2023 to be an excellent platform for learning, sharing, and collaboration. Once again, I want to thank all the committee members of i-Spike 2023 for their hard work in making this event a reality I would also like to extend my congratulations to all the winners, and I hope that each of you will successfully achieve your intended goals through your participation in this competition.

Professor Dr. Roshima Haji Said
RECTOR
UiTM KEDAH BRANCH

WELCOME MESSAGE (i-SPiKE 2023 CHAIR)

We are looking forward to welcoming you to the 3rd International Exhibition & Symposium on Productivity, Innovation, Knowledge, and Education 2023 (i-SPiKE 2023). Your presence here is a clear, crystal-clear testimony to the importance you place on the research and innovation arena. The theme of this year's Innovation is "*Optimizing Innovation in Knowledge, Education, & Design*". We believe that the presentations by the distinguished innovators will contribute immensely to a deeper understanding of the current issues in relation to the theme.

i-SPiKE 2023 offers a platform for nurturing the next generation of innovators and fostering cutting-edge innovations at the crossroads of collaboration, creativity, and enthusiasm. We enthusiastically welcome junior and young inventors from schools and universities, as well as local and foreign academicians and industry professionals, to showcase their innovative products and engage in knowledge sharing. All submissions have been rigorously evaluated by expert juries comprising professionals from both industry and academia.

On behalf of the conference organisers, I would like to extend our sincere thanks for your participation, and we hope you enjoy the event. A special note of appreciation goes out to all the committee members of i-SPiKE 2023; your dedication and hard work are greatly appreciated.

Dr. Junaida Ismail
Chair
3rdInternational Exhibition & Symposium Productivity, Innovation, Knowledge, and Education 2023 (i-SPiKE 2023)

E-BOOK "A NIGHT IN GONG MOUNTAIN" -A TALE ON ENVIRONMENT AND SPACE

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ABSTRACT
This e-book entitled "A Night in Gong Mountain" aims to spread knowledge regarding cleanliness, space, and the environment. Using e-books has been demonstrated to use less paper, which benefits the environment. Additionally, reading science fiction books that emphasize the harm that littering causes to the environment may encourage readers to protect it. This e-book project would contribute towards adding literature on reducing pollution and consequently reminding people against the hazards. Moreover, the e- book is also complemented with interactive features such as pictures and audio to promote a better understanding of the book content. When the e-book was published on YouTube, audio components are also included. It is hoped that this project would reach the intended audience and promote environmental consciousness.

Keywords: science fiction E-book, space, environment

INTRODUCTION

In the 21st century, e-books have become a popular medium in literary materials with many creative writers switching to e-books to publish their creative writing works. This will lessen the use of paper and canhelp the environment in the long run. Everything that the readers ever need is on their mobile devices. Readers also only need to access their communication devices to gain access to their reading materials which reduces the chances of misplacing their book. By using e-books, readers can also find any topics of interest at their fingertips. A single search would give them thousands of data for research.
Makwanya and Oni (2019) stated that sixty-one percent of students from their research find it easier to use e-books than printed books. This shows that students would be choosing e-books more than printed books. E-books are a natural progression of educational teaching materials in a digital society (Merkle, 2022). Essentially, this research paper aims to highlight creative writing work based on an e-book titled "A Night in Gong Mountain". Therefore, the researchers used the e-book medium to spread knowledge regarding cleanliness, space, and the environment.

Science fiction e-book "A Night in Gong Mountain" focuses on pollution, particularly the

problem of littering and mountain trekking. The audiobook version of this e-book can be found on YouTube at https://www.youtube.com/watch?v=iGODxU1JDzk. This e-book's purpose is to inform young teenagers about the risks of littering, especially in mountainous and forested areas. Additionally, it serves to highlight the main researcher's ability as a creative writer. Teachers could utilize e-books as classroom resources to educate about nature, including subjects like pollution and space, which are included in the Malaysian curriculum. This e-book is also a great medium for young teenagers to learn and realize the negative impacts of littering and pollution. It is also complemented with interactive features such as pictures and audio to promote a better understanding of the book content. Eventually, this research would contribute to adding literature on reducing pollution and consequently reminding people against the hazards.

METHODOLOGY

The flowchart (Figure 1) depicts the steps taken to create this e-book, and Figure 2 depicts a sample of the final product. A brainstorming session was conducted at the outset of writing this e-book to ensure that the plot would move along smoothly. Following the conclusion of the story, it was turned into an audiobook and posted on YouTube (https://www.youtube.com/watch?v=iGODxU1JDzk). Respondents were given an e-book survey to complete. The flowchart and product sample are shown below:

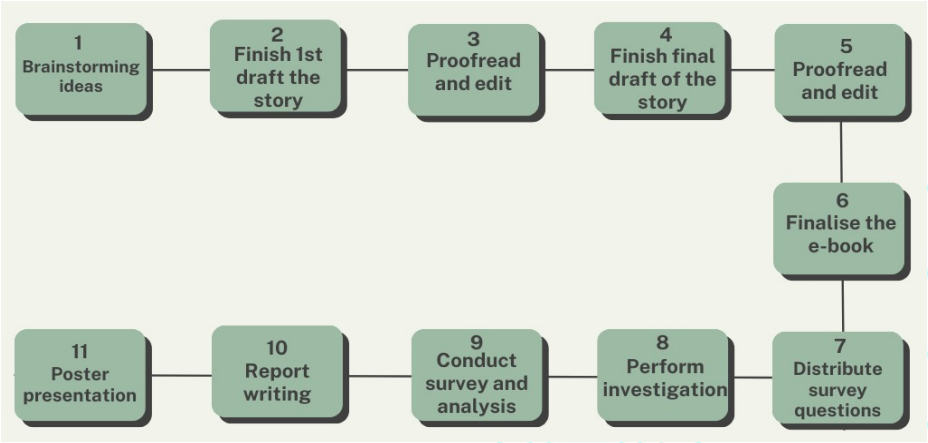

Figure 1. Flowchart of E-Book Project

Cover Page - Front

Cover Page - Back

Figure 2. Cover and Back Page

RESULT AND DISCUSSION

Upon the completion of the e-book, a prototype copy of the e-book was shown on a tablet to the participants. A set of survey questionnaires was then distributed to participants. This is to find out about participants' interest in the e-book. There were 16 randomly selected respondents involved in the survey. The participants were generally UiTM students, school students, and working adults. Some responses regarding e-books are shown in the diagrams below:

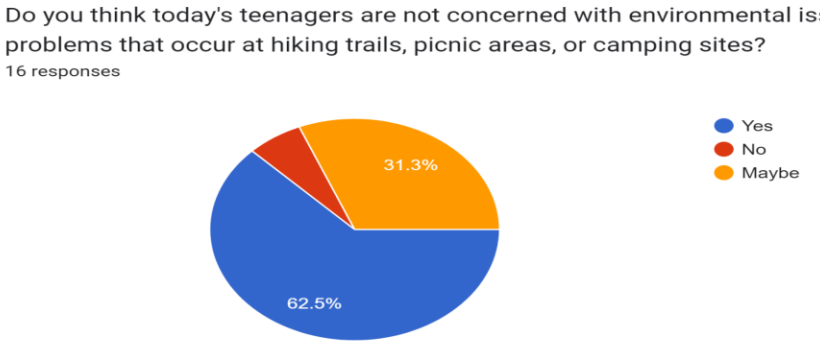

Figure 3. Concerns on Environmental Issues

Figure 3 shows that the majority of the respondents (62.5%) answered yes, while the least percentage with 6.3%, answered no when inquired on whether teenagers today are not concerned about negative issues regarding the environment such as litter problems that occur in hiking trails, picnic areas, or camping sites. This could mean that litter issues do exist in hiking trails, picnic areas, and camping sites.

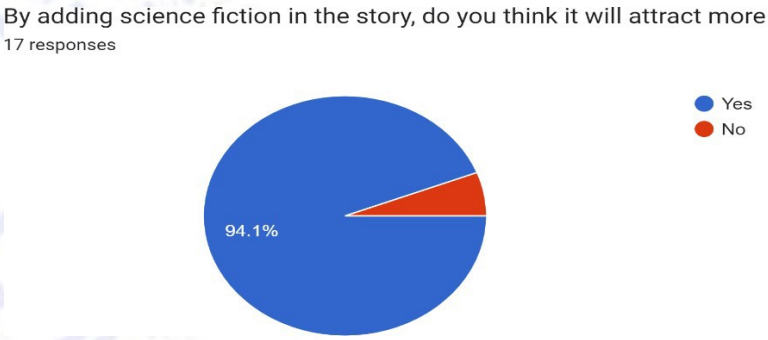

Figure 4. Science Fiction Genre Will Attract More Young Readers

Figure 4 shows that a majority of the respondents agreed that adding science fiction to the story would attract more young readers to read such story genres. This could mean that topics that are current among youngsters regarding mountain hiking, pollution, volunteerism, spaceships, and cleanliness would attract young readers to read the storybooks. This could imply that the novelty of this e-book would be in increasing the awareness of taking care of nature to the younger generations.

CONCLUSION

Summarily, many respondents were worried about the environmental issues that occur on hiking routes. Essentially. the e-book content which addresses contemporary concerns related to littering, hiking routes, volunteerism, and pollution in space are worthy topics to write about in the short story. Hence, starting this project is appropriate. In brief, this e-book would be helpful in giving information and awareness to the younger generation to manage and preserve the beauty of Mother Earth.

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