



# CERTIFICATE OF APPRECIATION

This certificate is proudly awarded to  
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for the achievement of  
**BEST VISUAL**

**(INNOVATIVE WAY IN TEACHING SHARIA FINANCIAL LITERACY FOR DIGITAL GENERATION  
WITH AUGMENTED AND VIRTUAL REALITY TECHNOLOGY)**

in

**INTERNATIONAL INNOVATION ARSVOT MALAYSIA (IAM 2021)**

via Zoom Online Application

on 10th April 2021

**Ts. Dr. ZULKIFLI BIN MOHD SIDI A.M.N**  
Chairman  
Association for Researcher of Skills  
and Vocational Training (ARSVOT)  
Malaysia



**Tn. Ts. Hj. ZAIHAN BIN SHUKRI P. K. T; B. C. N;  
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Director General  
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Ministry of Human Resources  
Malaysia





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# IAM2021

**INTERNATIONAL  
INNOVATION ARSVOT  
MALAYSIA 2021**



**DESIGN FOR HUMANITIES**

**10th APRIL 2021  
ZOOM APPLICATION**



**PROCEEDING BOOK**

**INTERNATIONAL INNOVATION  
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(IAM2021)**

# INTERNATIONAL INNOVATION ARSVOT MALAYSIA (IAM2021)

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I would like to congratulate all participants and presenters who took the opportunity to enhance their results and findings with the latest research at this international ceremony. I wish the researchers will apply the knowledge as reference material and utilise it to develop national education.

Besides, IAM2021 allows us to get online exposure during the pandemic of COVID-19. It also assists us in finding another initiative to exchange great ideas and knowledge with each other virtually. It is very significant as it is an initial step of preparation towards the Industrial Revolution 4.0.

Finally, I hope the innovative products and presented papers in this IAM2021 contribute to the academic reference materials from various fields and indirectly expand the knowledge itself.

May our great effort in producing this book of proceedings remain continuous and beneficial towards Malaysia's education quality.

Thank you.

**Ts. Hj. ANUAR BIN SHAARI**  
Head of Programme  
International Innovation Arsvot Malaysia (IAM 2021)

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## MESSAGE & WELCOME ADDRESS



**Ts. Dr. ZULKIFLI BIN MOHD SIDI, A. M. N.**

Bismillahirrahmanirrahim,  
Assalamualaikum w.b.t,

Dear all participants and colleagues!

I pray for our safety and good health.

On behalf of the Association for Researcher of Skills & Vocational Training (ARSVOT) committee members, I would like to express our deepest gratitude to all honoured participants and distinguished delegates to IAM2021. Besides, I would like to extend my sincere appreciation to all keynote speakers Tn. Ts. Hj. Zaihan Bin Shukri P. K. T.; B. C. N.; D. J. N. (P.PINANG) (Director General, Department of Skills Development, Ministry of Human Resources Malaysia), Dr. Ir. Paiman, M. P. (Rector of Universitas PGRI, Yogyakarta, Indonesia), Assistant Prof. Dr. Zulkefle Bin Ismail (Program Leader Architecture, Universiti Teknologi Brunei), Prof. Dr. Dwi Sulisworo, M. T. (Head of Bureau of University Strategic Planning, Universitas Ahmad Dahlan, Indonesia) and Assoc. Prof. Dr. Mohd Zahuri Bin Khairani (Dean of Faculty of Art, Computing & Creative Industry, UPSI, Malaysia) for the support in this great event.

The inaugural collaboration between ARSVOT and DSD in this event highlighted the Accredited Centre (AC), skills, and vocational innovation of the TVET sector in developing the AC's sustainability at the international level. Through IAM2021, it provides an opportunity for trainees, students, researchers, and academicians to share their experiences in different schools of thought, especially in the TVET sector. The conference provides us with an opportunity to exchange ideas through a virtual environment by establishing networking in conjunction with Industrial Revolution 4.0 (IR4.0).

We do not want to be left out in strengthening the quality of skills training and higher education activities. Hence, we also made a joint strategic industry partnership in vocational training and education to become more creative and innovative in this sector. We also welcome collaboration between foreign countries, especially the TVET sector, in strategic partnerships to enhance knowledge, vocational skills. This will improve the Accredited Centre and educational institution image in the world-class stage.

Thank you very much.

**Ts. Dr. ZULKIFLI BIN MOHD SIDI A. M. N.**


Chairman

Association for Researcher of Skills and Vocational Training (ARSVOT), Malaysia


# IAM 1066: Innovative Way in Teaching Sharia Financial Literacy for Digital Generation with Augmented and Virtual Reality Technology

## INNOVATIVE WAY IN TEACHING SHARIA FINANCIAL LITERACY

for Digital Generation with Augmented and Virtual Reality Technology



### INTRODUCTION




Technology is revolutionizing the creation of new financing systems and products, such as crowdfunding, peer-to-peer lending, digital currency, online investment, and new payment systems. Islamic financial literacy is needed to increase people's awareness and their ability to choose financial products that are in accordance with sharia regulations. Indonesia is a country with a majority Muslim population. However, the level of Islamic financial literacy in Indonesia is unfortunately very low at 8.93%. Financial education must be given at an early stage in a child's life to provide them with sufficient knowledge. The learning strategies must respond to the technological development and the learning preferences of the digital generation. Interactive learning media should be developed in accordance with their learning style in order to provide optimal results.

8.93%

Islamic Financial Literacy In Indonesia

### OBJECTIVE

Develop Augmented and Virtual Reality-based financial literacy learning media to increase the knowledge of Islamic finance for elementary school students




### NOVELTY OF THE PRODUCT

Currently, the information and instructional media for financial education, especially in Islamic financial literacy, are still very limited. This comic - Syira the series - has the opportunity to become a worthwhile learning media for Islamic financial literacy.

This comic is based on Augmented Reality and Virtual Reality which fits perfectly to the learning style of digital generation. It is able to visualize abstract financial concepts so that they are easily understood by children.

This media is particularly relevant to respond to recent situation caused by the COVID-19 pandemic. This is because virtual technology is able to introduce practical knowledge to students without leaving home.




### PROBLEM STATEMENT

- 🗣️ Low level of Islamic financial literacy in Indonesia
- 🗣️ Financial education must be given at the early stages of a child's life as today's children need the ability to make financial decisions in an increasingly complex economic environment
- 🗣️ Generation Z or the digital generation is currently growing in the era of advances in information and communication technology (ICT) which then influence the evolution of their learning styles from verbal, visual to virtual. Educational strategies must respond appropriately to this generation's learning preferences.
- 🗣️ The lack of Islamic financial literacy media that is in accordance with the changing learning styles of the digital generation

### PRODUCT


Syira the series is an Islamic comic based on Augmented Reality and Virtual Reality that contains the basic concepts of Islamic finance. The comic is equipped with Augmented Reality technology to display 3D animation as well as Virtual Reality technology to create an immersive learning. Both will make studying a very enjoyable activity.

### COMMERCIALIZATION




### BUSINESS PARTNERS


### OUR TEAM




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