

# Malaysian Online Journal of Educational Technology

Volume 13, Issue 2, 2025

2025

Editor-in-Chief Dr. Sacip Toker

**Editors** Dr. Mustafa Özgenel Dr. Norlidah Alias

Associate Editors Dr. Raja Maznah Binti Raja Hussain, Dr. Habib Bin Mat Som, Dr. Chin Hai Leng Dr. Dorothy Dewitt

[www.mojet.net]



## Copyright © 2013 - MALAYSIAN ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY

All rights reserved. No part of MOJET's articles may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without permission in writing from the publisher.

### Contact Address:

Dr. Sacip Toker

MOJET, Editor in Chief

Atılım University

#### Message from the editor-in-chief

Malaysian Online Journal of Educational Technology (MOJET) highlights the current issues in educational technology. MOJET is an international, professional referred journal in the interdisciplinary fields sponsored by Faculty of Education, University of Malaya. This journal serves as a platform for presenting and discussing the emerging issues on educational technology for readers who share common interests in understanding the developments of the integration of technology in education. The journal is committed to providing access to quality researches raging from original research, theoretical articles and concept papers in educational technology.

In order to produce high quality journal, extensive effort has been put in selecting valuable researches that contribute to the journal. I would like to take this opportunity to express my appreciation to editorial board, reviewers and researchers for their valuable contributions to make this journal a reality.

#### **Dr. Sacip Toker**

Editor in chief

#### Message from the editor

The Malaysian Online Journal of Educational Technology (MOJET) is aimed at using technology in online teaching and learning through diffusing information from a community of researchers and scholars. The journal is published electronically four times a year.

The journal welcomes the original and qualified researches on all aspects of educational technology. Topics may include, but not limited to: use of multimedia to improve online learning; collaborative learning in online learning environment, innovative online teaching and learning; instructional design theory and application; use of technology in instruction; instructional design theory, evaluation of instructional design, and future development of instructional technology.

As editor of the journal, it is a great pleasure to see the success of this journal publication. On behalf of the editorial team of The Malaysian Online Journal of Educational Technology (MOJET), we would like to thank to all the authors and editors for their contribution to the development of the journal.

#### Dr. Mustafa Özgenel & Dr. Norlidah Alias

Editors

Malaysian Online Journal of Educational Technology (MOJET) is indexed by ERIC (Education Resources Information Center), H. W. Wilson Databases, Scope Databases, Index Copernicus, CNKI Scholar, Google Scholar, Directory of Research Journals Indexing, WorldCat, MyJunal databases.



# **Editor-in-Chief**

Dr. Sacip Toker, Atılım University, Turkey

## Editors

Dr. Mustafa Özgenel, İstanbul Sabahattin Zaim University, Turkey

Dr. Norlidah Alias, University of Malaya, Malaysia

## **Associate Editors**

- Dr. Raja Maznah Binti Raja Hussain, University of Malaya, Malaysia
- Dr. Habib Bin Mat Som, Sultan Idris Education University, Malaysia
- Dr. Chin Hai Leng, University of Malaya, Malaysia
- Dr. Dorothy Dewitt, University of Malaya, Malaysia
- Dr. Ersin Yağan, Ministry of National Education, Turkey

## **Advisory Board**

- Dr. Mohd Hamdi Bin Abd Shukor, University of Malaya, Malaysia
- Dr. Abu Bakar Nordin, University of Malaya, Malaysia
- Dr. Aytekin Isman, Sakarya University, Turkey
- Dr. Fatimah Binti Hashim, University of Malaya, Malaysia
- Dr. Mohammed Amin Embi, National University of Malaysia, Malaysia
- Dr. Moses Samuel, University of Malaya, Malaysia
- Dr. Omar Abdul Kareem, Sultan Idris University of Education, Malaysia
- Dr. Richard Kiely, the University College of St. Mark and St. John, United Kingdom
- Dr. Zawawi Bin Ismail, University of Malaya, Malaysia

## **Editorial Board**

Dr. Rahim Md. Sail, University Putra of Malaysia, Malaysia

- Dr. Tamby Subahan Bin Mohd. Meerah, National University of Malaysia, Malaysia
- Dr. Abdul Halim Bin Tamuri, National University of Malaysia, Malaysia
- Dr. Abdul Rashid Mohamed, University of Science, Malaysia
- Dr. Bakhtiar Shabani Varaki , Ferdowsi University of Mashhad, Iran.
- Dr. H. Hamruni, Ma, Sunan Kalijaga Islamic University, Indonesia
- Dr. Ibrahem Narongsakhet, Prince of Songkla University, Thailand
- Dr. Iskandar Wiryokusumo M.Sc, PGRI ADI Buana University, Surabaya, Indonesia
- Dr. Mohammad Ali, M.Pd, Ma, University of Islamic Education, Indonesia
- Dr. Ramlee B. Mustapha , Sultan Idris University of Education, Malaysia
- Dr. Rozhan M. Idrus, University of Science, Malaysia
- Dr. Abdul Jalil Bin Othman, University of Malaya, Malaysia
- Dr. Ajmain Bin Safar, University of Technology, Malaysia
- Dr. Esther Sarojini Daniel, University of Malaya, Malaysia
- Dr. Fadzilah Siraj, Northern University of Malaysia, Malaysia
- Dr. Haji Izaham Shah Bin Ismail, Mara University of Technology, Malaysia
- Dr. Mohamad Bin Bilal Ali, University of Technology, Malaysia
- Dr. Norazah Mohd Nordin, National University of Malaysia, Malaysia
- Dr. Rohaida Mohd Saat, University of Malaya, Malaysia

- Dr. Mubin Kıyıcı, Sakarya University, Turkey
- Dr. Adelina Binti Asmawi

MOJET

- Dr. Farrah Dina Binti Yusop, University of Malaya, Malaysia
- Dr. Husaina Banu Kenayathula, University of Malaya, Malaysia
- Dr. Ismail Bin Abbas, Institute of Teacher Education, Malaysia
- Dr. Khamsiah Binti Ismail, Institute of Education, International Islamic University Malaysia
- Dr. Lorraine Pe Symaco, University of Malaya, Malaysia
- Dr. Misnan Bin Jemali, Sultan Idris University of Education, Malaysia
- Dr. Mohammad Bin Ab Rahman, Institute of Teacher Education Malaysia
- Dr. Mohammad Attaran, University of Malaya, Malaysia
- Dr. Mohd. Awang Bin Idris, University of Malaya, Malaysia
- Dr. Mohd Burhan Bin Ibrahim, Institute of Education, International Islamic University Malaysia
- Dr. Mojgan Afshari, University of Malaya, Malaysia
- Dr. Muhamad Arif Ismail, National University of Malaysia, Malaysia
- Dr. Muhamad Faizal Bin A. Ghani , University of Malaya, Malaysia
- Dr. Nabeel Abdallah Mohammad Abedalaziz, University of Malaya, Malaysia
- Dr. Nazean Binti Jomhari, University of Malaya, Malaysia
- Dr. Rafiza Binti Abd Razak, University of Malaya, Malaysia
- Dr. Rose Amnah Binti Abd. Rauf, University of Malaya, Malaysia
- Dr. Siti Hendon Sheikh Abdullah, Institute of Teacher Education, Malaysia
- Dr. Tee Meng Yew, University of Malaya, Malaysia
- Dr. T. Vanitha Thanabalan, English Language Teaching Centre, Malaysia Ministry of Education
- Dr. Zahra Naimie, University of Malaya, Malaysia
- Dr. Zeliha Demir Kaymak, Sakarya University, Malaysia
- En. Mohd Khairul Azman Bin Md Daud, University of Malaya, Malaysia
- En. Mohd Sharil Nizam Shaharom, University of Malaya, Malaysia
- En. Norhashimi Saad, University of Malaya, Malaysia
- En. Norjoharuddeen Mohd Nor, University of Malaya, Malaysia
- Pn. Norini Binti Abas, University of Malaya, Malaysia



| Table of Contents   |       |
|---|-------|
| Employing a Hierarchical Rater Models for Automated Scoring: Scope Review on the Application in Educational Assessment                      | 37-47 |
| Akif Avcu   |       |
| The Effect of Video Magazines on Secondary School Students' Academic<br>Achievement and Digital Technology Attitudes: An Experimental Study | 48-62 |
| İlknur Bilgi-Kurt, Osman Soner  |       |