UNIVERSITI TEKNOLOGI MARA

PIONEERING EDUCATIONAL PERSPECTIVES

Series 2025

THE World University Rankings 2023 TOP 1501+
TOP 128 UI GreenMetric
MDEC Premier Digital Tech Institution
THE IMPACT RANKINGS 2022 TOP 101-200
MyRA

PIONEERING EDUCATIONAL PERSPECTIVES

Series 2025

Chief Editors:
Nur Alyani binti Khairol Anuar
Muhammad Irfan bin Mokhtar

Editors:
Aqeela binti Ahmad Kamiri
Hawa Syamsina binti Md Supie
Nurul Nadiah binti Rasdi
Qistina Azra binti Mohani
Siti Aishah binti Taib
Nurul Hijah binti Jasman
Siti Mariam binti Mohammad Iliyas

Published by:
Academy of Language Studies, Universiti Teknologi MARA
Cawangan Johor, Kampus Pasir Gudang, Jalan Purnama,
Bandar Seri Alam, 81750 Masai, Johor Darul Ta'zim.
07-3818455
edgii.apbpg@gmail.com

Copyright © Pioneering Educational Perspectives: Series 2025

All rights reserved. No part of this publication may be reproduced in any form or by electronic or mechanical means, including information storage and retrieval systems, or transmitted in any form or by any means, without the prior permission in writing from the publisher.

e-ISBN : 978-967-0033-31-0

Published date: 2025

Chief Editors:
Nur Alyani binti Khairol Anuar
Muhammad Irfan bin Mokhtar

Editors:
Aqeela binti Ahmad Kamiri
Hawa Syamsina binti Md Supie
Nurul Nadiah binti Rasdi
Qistina Azra binti Mohani
Siti Aishah binti Taib
Nurul Hijah binti Jasman
Siti Mariam binti Mohammad Iliyas

Published by:
Academy of Language Studies, Universiti Teknologi MARA Cawangan Johor, Kampus Pasir Gudang, Jalan Purnama, Bandar Seri Alam, 81750 Masai, Johor Darul Ta'zim.
07-3818455
edgii.apbpg@gmail.com

Preface

Pioneering Educational Perspectives: Series 2025 is a collection of thought-provoking insights and research contributions exploring contemporary educational trends and practices. This eBook presents a diverse range of perspectives on innovative teaching methodologies, digital learning strategies, and transformative approaches in education. Designed to serve as a resource for educators, researchers, and practitioners, it aims to inspire meaningful discussions and advancements in the field. Through carefully curated chapters, this publication offers fresh ideas and practical solutions to enhance learning experiences in an ever-evolving educational landscape.

e-ISBN: 978-967-0033-31-0

KIT PEMBELAJARAN KEA (KENALI EMOSI ANDA) 258

Masni binti Jamin[1,*], Nooraini binti Ab. Latif [2], Fathimatuzzahra' binti Mohd Zabidon[3], Nurul Atiqah binti Muhamad Nujeib[4], 'Irdina binti Shariful Anuar[5] 258

SIMBA 261

Zarkashi bin Junaidin[1], Nur Dania Qistina binti Nor Shafizul Adli[2] & Puan Masni binti Jamin[3] 261

i-FleQ: INFOGRAFIK FLEKSI AL-QURAN 265

Khadijah Yusop[1,*], Mohd Fauzi Abdul Hamid[2] & Mohd Firdaus Yahaya[3] 265

EASY MATHWAY FORMULAE MODULE 269

[1]Pavithra A/P Kanabathi, [2]Shivani A/P Batumalai, [3]Ranjitha Lakshmi A/P Rajacrcha Kumar & [4]Jyothsheny Selvam 269

e-LAGU SERONOK, KOSA KATA MANTAP! *e-SONGS FUN, VOCABULARY STRONG!* 273

Viannie Tongguritom[1] & Minah Sintian [2*] 273

THE IMPLEMENTATION OF ECO READER QUEST MODULE TO ENHANCE STUDENTS' AWARENESS OF SUSTAINABLE PRACTICES 277

Nurmiza bt Rifayudeen[1,], Sharifah Radiyah bt Sayed Hasan[1], Dayini Dhabitah bt Zamil[1], Nur Syuhadah bt Syamsul Kamal[1] & Siti Aisyah bt Roslan[1*] 277

MARI MENGEJA BERSAMA-SAMA AYU 281

Roziah binti Ramli[1], Nur Amylia Natasya Mohamad Yusrie[2], Sarah Nabilah binti Mohd Mazni[3] Nur Hana Aliesha binti Muhd Hasanuddin [4] & Muhamad Danish bin Norahairuzan[5] 281

DEVELOPING ENGLISH COURSEWARE FOR LOWER SECONDARY SCHOOL STUDENTS: TEACHING PREPOSITIONS OF MOVEMENT IN EMAIL WRITING USING THE ADDIE MODEL ... 286

Muhammad Hafiz Mohd Zaki[1] 286

QUIZXPERT 290

Tharsinii Jayasilan[1] & Moganashwari Kandasamy[2] 290

ANIMATION VIDEO FOR VOCABULARY LEARNING 294

Nurain Khairina Zulkhairi[1] & Moganashwari Kandasamy[2] 294

UNLOCKING WORDS: THE VAK MODEL IN ACTION 298

Saiyidah Nafisah Mohd Nadzori[1], & Moganashwari Kandasamy[2] 298

VOCABVAULT : Enhancing Pre-service Teachers Vocabulary 302

Balqis Nur Aliah binti Misbah[1] & Moganashwari Kandasamy[2] 302

WHO VS. WHOM CHECKER 305

Nur Syazrina binti Ahmad Zubir[1] & Moganashwari Kandasamy[2] 305

SPARKLE READS TO IMPROVE PUPILS READING COMPREHENSION 309

Nurul Adawiyah Binti Abdul Manaf[1], & Dr Moganashwari Kandasamy[2] 309

VOCABULARY ENHANCEMENT THROUGH LITTLE GENIUS: WORD POWER 312

Nur Salsabila Irdina Binti Mohd Salleh[1] & Moganashwary Kandasami[2] 312

PHONICS PLAYLAND: AR FOR LEARNING PHONICS 316

e-ISBN: 978-967-0033-31-0

THE IMPLEMENTATION OF ECO READER QUEST MODULE TO ENHANCE STUDENTS' AWARENESS OF SUSTAINABLE PRACTICES

Nurmiza bt Rifayudeen[1,], Sharifah Radiyah bt Sayed Hasan[1], Dayini Dhabitah bt Zamil[1], Nur Syuhadah bt Syamsul Kamal[1] & Siti Aisyah bt Roslan[1*]

[1]*Centre for Foundation and General Studies, University Selangor*

**Corresponding author: ctaisyah@unisel.edu.my*

ABSTRACT

The Eco Reader Quest module is a customisable environmental education reading module designed to empower students with the knowledge, skills, and sense of responsibility necessary for a sustainable future. By integrating interactive activities, effective reading strategies, and real-world applications, the module provides a collaborative approach to environmental learning. The module's innovative features include the use of the Padlet platform, engaging activities, and a focus on practical applications. These elements foster critical thinking, problem-solving, and reading comprehension skills while promoting environmental awareness. Based on the implementation of the module among a group of Foundation students, the module promotes multiple benefits, including enhanced student engagement, improved reading skills, and a deeper understanding of environmental issues. It also contributes to the achievement of creating a positive impact on both individual lives and the society.

KEYWORDS: Environmental education, Reading comprehension, Interactive learning, Padlet, Language learning

PROBLEM AND OBJECTIVE

While environmental education has gained traction, many students struggle to connect abstract concepts to real-world actions. Additionally, traditional teaching methods often overlook the importance of developing strong reading skills to understand complex environmental issues. According to Maia et al, (2022), the incorporation of ICTs in the teaching process can make the classroom more attractive and engaging for students, stimulating their interest in the content. This is further agreed by Adieva et al., (2024), who stated that the use of technologies can enhance environmental education by increasing accessibility, interactivity and environmental awareness. Therefore, the *Eco Reader Quest* module aims to solve this problem by providing an engaging and interactive platform using the Padlet application that combines environmental learning with effective reading strategies. These activities are designed to foster critical thinking, problem-solving, and collaboration while improving students' ability to skim and scan articles related to sustainable practices for essential information.

The objectives of the *Eco Reader Quest* module is to:

1) enhance students' knowledge of environmental concepts, specifically on recycling, reducing and reusing;
2) develop students' critical thinking and problem-solving skills related to environmental sustainability;
3) improve students' reading comprehension skills, with a focus on skimming and scanning for relevant information;

e-ISBN: 978-967-0033-31-0

4) align with the following Sustainable Development Goals (SDGs) 4 - Quality Education, 12 - Responsible Consumption and Production, and 15 - Life on Land.

DESIGN DESCRIPTION

The *Eco Reader Quest* module employs a blended learning approach using Padlet for interactive online activities and offline collaboration. This tool was chosen for its effectiveness in English language learning and knowledge sharing, aligning with technology-enhanced learning's benefits. It also offers flexibility and convenience, potentially enhancing student enthusiasm (WS Sudusinghe et al., 2023). This is further supported by Villarama et al, (2024) in a post-pandemic study where students showed significant improvement in engaging with their peers during the learning process. The resources and activities included in the module are also designed to be adaptable and editable for different levels of proficiency. The designs are also kept simple to make it easier for both the instructors and the students to use the templates. The module's core components are a Padlet platform, and templates for the Recycle Relay Race and Sustainable Shopping Challenge. The platform is a digital hub for sustainable discussions, resources, and activities. The Recycle Relay Race enhances reading, critical thinking, and communication through recycling-themed challenges. The Sustainable Shopping Challenge promotes informed consumer choices and environmental awareness through a virtual shopping simulation. Both activities fully utilize Padlet's features such as sticky notes, images, videos, links, and mind maps, along with collaboration tools, real-time updates, and customizable layouts, to create a dynamic learning environment.

VISUALS

To use the Eco Reader Quest module, instructors or students can access the following templates at http://tinyurl.com/ecoreader. The following images depict the interface of the module, which was designed to be simple for both the instructors and the students to use the templates. It includes links and QR codes to remake the templates for both activities as well as examples of short passages on sustainable practices to be used as reference for the activities.



Figure 1 - The Eco Reader Quest module guide, QR codes for activities and reference passages

e-ISBN: 978-967-0033-31-0

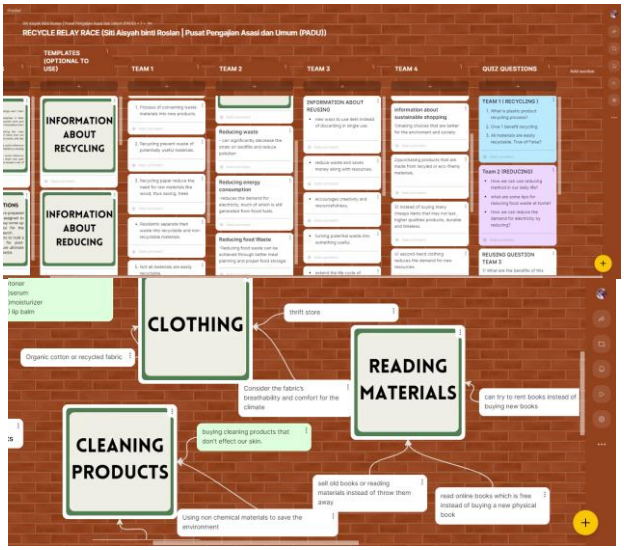


Figure 2 - Example of the Recycle Relay Race and Sustainable Shopping Challenge templates being used


Figure 3 - Examples of the Eco Reader Quest module being used in a classroom

NOVELTY AND UNIQUENESS

The *Eco Reader Quest* module distinguishes itself by its innovative approach to environmental education, seamlessly integrating reading comprehension strategies with interactive and engaging elements. The module's unique features include gamification to make learning enjoyable and competitive, flexibility to accommodate diverse learning styles, real-world connections to apply knowledge practically, and technology integration to facilitate collaboration and access to resources. This combination creates a fresh and effective learning experience that empowers students to become environmentally conscious and knowledgeable citizens.

BENEFITS TO MANKIND

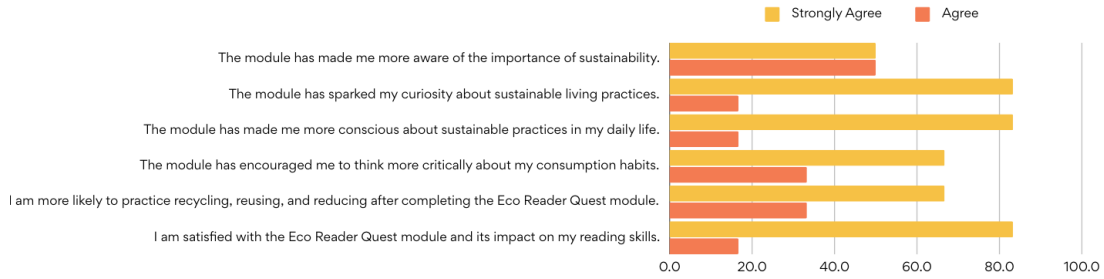


Figure 4 - Foundation Students' Awareness of Sustainable Practices After Using The Eco Reader Quest Module

e-ISBN: 978-967-0033-31-0

The *Eco Reader Quest* module offers multiple benefits to individuals and society by empowering students with a deep understanding of environmental issues and fostering a sense of environmental awareness. A survey carried out among 30 Foundation for B.Ed TESL students has shown that over 80% of the students found that the module has sparked their curiosity about sustainable living practices as well as making them more conscious about practicing sustainability in their daily lives. Other than that, over 60% of the students strongly agree that the module has encouraged them to think more critically about their consumption habits and they are also more likely to practice the act of recycling, reducing and reusing after completing the activities in the module. Overall, over 80% of the students strongly agree that they are satisfied with the *Eco Reader Quest* module and its benefits on their reading skills as well as their environmental awareness.

COMMERCIAL POTENTIAL

The *Eco Reader Ques*t module presents a promising commercial opportunity due to growing demand for innovative environmental education. Potential revenue streams include licensing, educator training, and developing supplementary products. By exploring these avenues, the module can capitalize on the market and contribute to a more sustainable future.

CONCLUSION

The *Eco Reader Quest* module offers an interactive solution to the critical need for effective environmental education. By seamlessly integrating reading comprehension with hands-on learning experiences, this module empowers students to become environmentally literate and responsible citizens. This module could also contribute to the achievement of Sustainable Development Goals and create a brighter future for generations to come.

REFERENCES

Adieva, A., Vagapov, A., & Kafarova, K. (2024). Innovations in environmental education: The role of information technologies in sustainable development. *BIO Web of Conferences, 116*, 07032. https://doi.org/10.1051/bioconf/202411607032

Maia, Y. V. L. P., Loiola, M. V. D. C., & Sousa, V. R. D. (2022). Applicability of information and communication technologies: Tics in the teaching-learning process of environmental education. *International Journal of Advanced Engineering Research and Science*, 9(3), 262-271. doi:10.22161/ijaers.93.31

Villarama, J.A, Barcelita, K.J.C, Pilien, R.V., Crisanto, W.A.V (2024). Padlet: Post-pandemic avenue for a more dynamic language and literature learning through enhanced technology integration. *Issues in Language Studies*, 13(1), 304-321. https://doi.org/10.33736/ils.6149.2024

WS Sudusinghe, CKW Gamage, & RMNP Rajapaksha1 (2023). Padlet app uses in TESL: A Sri Lankan experience. *KDU Journal of Multidisciplinary Studies*, 5(2), 148-156. 10.4038/kjms.v5i2.86