2021 gecpc

Proceedings of the 1st Global Education Conference and Postgraduate Colloquium 2021

Education in Crisis: Global Edcation Amidst the Pandemic and the Way Forward

8th - 9th September 2021

Edited and Compliled by

Hamidah Mohamad
Zaida Mustafa
Muzamir Othman
Azrul Fazwan Kharuddin
Benjamin Chan Yin Fah

UNIRAZAK
UNIVERSITI TUN ABDUL RAZAK

2021 gecpc

Proceedings of the 1st Global Education Conference and Postgraduate Colloquium 2021

Education in Crisis: Global Education Amidst the Pandemic and the Way Forward

8th - 9th September 2021

Edited and Compiled by

Hamidah Mohamad
Zaida Mustafa
Muzamir Othman
Azrul Fazwan Kharuddin
Benjamin Chan Yin Fah

UNIRAZAK
UNIVERSITI TUN ABDUL RAZAK

All rights reserved.

First edition published 2021
By UNIRAZAK
195A, Jalan Tun Razak 50400 Kuala Lumpur

© UNIRAZAK, Kuala Lumpur, Malaysia

Reasonable efforts have been made to publish reliable data and information, but the authors and publisher cannot assume responsibility for the validity of all materials or the consequences of their use. The authors and publishers have attempted to trace the copyright holders of all materials reproduced in this publication and apologize to copyright holders if permission to publish in this form has not been obtained. If any copyrighted material has not been acknowledged, please write and let us know so we may rectify in any future reprint.

Except as permitted under Malaysian copyright law, no part of this book may be reprinted, reproduced, transmitted, or utilised in any form by any electronic, mechanical, or other means, not known or hereafter invented, including photocopying, microfilming, and recording, or in any information storage or retrieval system, without the written permission from the publishers.

For permission to photocopy or use materials electronically from this work, please contact the publishers at kmc@unirazak.edu.my or contact the Knowledge Management Centre (KMC), UNIRAZAK, 195A, Jalan Tun Razak 50400 Kuala Lumpur.

Trademark notice: Product or corporate names may be trademarks or registered trademarks and are used only for identification and explanation without intent to infringe.

Layout Design
UR3D, UNIRAZAK

e ISBN 978-967-25556-0- 5

978967255560 5

TABLE OF CONTENT

PREFACE
FOREWORD
CONFERENCE FEATURED SPEAKERS

EMPLOYERS PERCEPTION OF ESSENTIAL ENGINEERING EMPLOYABILITY SKILLS: WHAT DIMENSIONS ARE IMPORTANT? 1
Amarjit Singh, Zaida Mustafa, Azrul Fazwan Kharuddin, Universiti Tun Abdul Razak (UNIRAZAK)

THE EFFECTIVENESS OF THE METACOGNITIVE STRATEGY IN IMPROVING THE MASTERY OF AL-QURAN CHILDREN SKILLS 2
Aminah Mat Yusoff, Dr. Mohd Hisyam Abdul Rahim, Tun Hussein Onn

HELLO INTERNATIONAL STUDENTS, IS IT GOOD TO STUDY IN MALAYSIA PRIVATE UNIVERSITIES? 3
Cheok, Mui Yee, Benjamin Chan, Yin Fah, Universiti Tun Abdul Razak (UNIRAZAK)

EDUCATIONAL LEARNING PRACTICES AND CHALLENGES IN THE IMPLEMENTATION OF PHYSICAL EDUCATION OF MINISTRY OF EDUCATION MALAYSIA 4
Aziz Bin Hashim, Universiti Pendidikan Sultan Idris Shah (UPSI)
Mohd Yaziz Bin Mohd Isa, Universiti Tun Abdul Razak (UNIRAZAK)

THE EFFECT OF AN AFTERNOON NAP (QAYLULAH) ON RECALL OF TAHFIZ STUDENTS AT KHALIFAH MODEL SCHOOL SECONDARY 5
Aqtar Mohamed Ummar, Khalifah Model School Secondary

GLOBAL CLASSROOM FOR YOUNG LEARNERS: ENGAGING STUDENTS THROUGH SHARED VALUES AND INTERESTS TOWARDS A PROGRESSIVE EDUCATION 6
Azlin Mohd Afidi, Khalifah Model School Secondary

DISTANCE EDUCATION FOR SPECIAL NEEDS STUDENTS IN MALAYSIA AND ITS PROGRESS 7
Ashwini M.Madawana, Ministry Of Health Malaysia

STUDENTS' EXPERIENCE WITH VIRTUAL LEARNING ENVIRONMENT: A CASE STUDY OF UNIRAZAK 8
Hamidah Mohamad, Muzamir Othman@Marzuki, Universiti Tun Abdul Razak (UNIRAZAK)

MODELLING ECONOMIC WELLBEING AND HAPPINESS THROUGH THE SOCIAL CAPITAL LENS: A THEORETICAL CONCEPT 9
Islam, Gazi Md. Nurul, Samsinar Md. Sidin, Universiti Tun Abdul Razak (UNIRAZAK)

IMPROVING STUDENTS' PARTICIPATION IN ENGLISH LANGUAGE CLASSROOM USING PEAR DECK DURING THE NEW NORMAL 10
Zarina Hashim, SMK Mak Mandin

TEACHER'S READINESS TOWARDS DIGITAL LEARNING ENVIRONMENT: THE ROLE OF THE TEACHER 11
Siti Farhah A Aziz, Universiti Tun Abdul Razak (UNIRAZAK)
Nuzha Mohamed Taha, Sofia Elias, Rabiha Maya Adiera, Nuzha Mohamed Taha,
Sofia Elias, Rabiha Maya Adiera

DIGITAL STORYTELLING IN THE HOME-BASED LEARNING DURING THE PANDEMIC 12
Yee Bee Choo, Faridah Mohd Sopah, Salbihana Samsudin, Halif Md. Saleh
And Vijayan Periasamy, Institute Of Teacher Education Tun Hussein Onn Campus

TRANSITIONING TO ONLINE TEACHING AMIDST COVID-19: HOW SCHOOL TEACHERS' TRANSITION FROM IN PERSON TO ONLINE TEACHING 13
Siti Farhah A Aziz, Universiti Tun Abdul Razak (UNIRAZAK)
Santhi Davi Nair, Sofia Elias, Nuzha Mohamed Taha,
Rabiha Maya Adiera, Unitar International University

AN APPLICATION OF FUZZY DELPHI TECHNIQUE TO MEASURE EXPERTS' CONSENSUS ON COMMUNICATION SKILLS AMONG ENGINEERING GRADUATES 14
Amarjit Singha, Zaida Mustafa, Azrul Fazwan Kharuddin,
Universiti Tun Abdul Razak (UNIRAZAK)
Mohd Farid Atan, Universiti Malaysia Sarawak

SECONDARY SCHOOL STUDENTS COUNSELING NEEDS: WHAT COMPONENTS ARE IMPORTANT? 15
Haji Mohd Azli Bin Jailani (Phd), Sofea Binti Elias,
Nuzha Binti Mohd Taha, Unitar International University

MULTILINGUALS' INCIDENTAL ACQUISITION OF NOVEL WORDS WITH LEXICAL CUES IN L1 AND L2 16
Irwan Tham Adam Tham, Universiti Tun Abdul Razak (UNIRAZAK)

DEVELOPING QUANTUM PHYSICS INSTRUCTIONAL MODULE FOR SECONDARY SCHOOL: A NEEDS ANALYSIS 17
Laurah Markus, Mohd Zaki Ishak, Universiti Malaysia Sabah

THE APPLICATION OF NO-CODE/LOW-CODE PLATFORMS IN THE SECTOR OF EDUCATION 18
Farhad Khosrojedi, Hamed Motaghi, University Of Quebec, Outaouais
Mohar Yusof, Universiti Tun Abdul Razak (UNIRAZAK)

TEACHING AND LEARNING OF ENTREPRENEURSHIP AND INNOVATION IN A DIGITAL SETTING 19
Li Jisheng, Lilie Zahara Ramly, Dr. Mohar Yusof, Universiti Tun Abdul Razak (UNIRAZAK)
Eric Balan, Asiatech Business School

EXPLORATION OF PRACTICE AND READINESS OF TEACHERS TO APPLY AUGMENTED REALITY IN TEACHING AND LEARNING 20
Abdullah Derahman, Mohd Rasid Chik, Raja Shaharudin Raja Muhamad,
Zikri Awang, Mohd Rozi Ismail, Jaswardi Anwar Md Yaakub
Institute Teacher Education Kota Bharu Campus

AN INTENTION OF TVET UNDERGRADUATES IN ENTREPRENEURSHIP FIELD - A CASE STUDY TOWARDS TVET EDUCATION INSTITUTIONS PROVIDERS 21
Mohammad Rizal Maarif, Manipal Globalnxt University

COMPARISON OF GENDER LEARNING EFFECTIVENESS THROUGH VIDEO CLIPS AMONG BUSINESS STUDENTS 22
Dominic Wong, Tunku Abdul Rahman University College (TARUC)

DEVELOPING INNOVATIVE TECHNOLOGY IN BUILDING MENTAL HEALTH RESILIENCE AMID COVID-19 EPIDEMIC AMONG PRIVATE UNIVERSITY STUDENTS 23
Mohd Al Mahdi, Farah Damia, Harnani Mohamed, UNITAR International University

INVESTIGATING EARLY CHILDHOOD EDUCATORS' UNDERSTANDING, AND PRACTICES RELATED TO VALUE-BASED EDUCATION DURING PANDEMIC COVID-19 24
Mohd Shawani Ahmad Sabri, Universiti Tun Abdul Razak (UNIRAZAK)

TEACHER EVALUATION (TEVAL) FOR ASSESSING STUDENTS' VIRTUAL LEARNING EXPERIENCES: IS IT VALID AND RELIABLE? 25
Muzamir Othman, Zaida Mustafa, Azrul Fazwan, Universiti Tun Abdul Razak (UNIRAZAK)

PRIVATE HIGHER EDUCATION INSTITUTIONS (PHEIS) IN MALAYSIA: AN ASSESSMENT OF SERVICE QUALITY AND STUDENTS' SATISFACTION 26
Nik Rosnah Wan Abdullah, Nor Azami Rosli,
Ravindran Ramasamy, Universiti Tun Abdul Razak (UNIRAZAK)

LEVERAGING TECHNOLOGY FOR REMOTE LEARNING IN PRESCHOOL EDUCATION: A DESIGN THINKING APPROACH 27
Noor 'Olya Binti Dollah, Universiti Tun Abdul Razak (UNIRAZAK)

DIGITAL HOME LEARNING ENVIRONMENT TO ENHANCE SCREEN MEDIA LEARNING: A THEORETICAL FOUNDATION 28
Noor Afidah Abu Bakar, Universiti Tun Abdul Razak (UNIRAZAK)

MEASURING THE RELATIONSHIP STUDENTS ENTREPRENEURIAL PERSONALITY TRAITS TOWARDS ENTREPRENEURIAL POTENTIAL OF VOCATIONAL COLLEGES STUDENTS IN MALAYSIA 29
Norffadhillah Rofa, Rohana Ngah, University Technology Mara

PEMBUDAYAAN AMALAN KAJIAN TINDAKAN MELALUI PROGRAM CPD DALAM TALIAN IPGK RAJA MELEWAR SEMASA PKP PANDEMIK COVID-19 30
Zailah Zainudin, Institut Pendidikan Guru Kampus Raja Melewar
Satirah Ahmad, Institut Pendidikan Guru Kampus Bahasa Antarabangsa
Mohd Syafiq Aiman Mat Noor, University College London

DAYA TAHAN KEPIMPINAN DALAM KALANGAN PENGUSAHA TASKA DI MALAYSIA DALAM ERA PANDEMIK COVID-19 31
Nur Fazella Abdul Jamil, Fatimah Tambi, Universiti Tun Abdul Razak (UNIRAZAK)

ESL TEACHERS' GLOBAL COMPETENCE AND GLOBALLY COMPETENT TEACHING 32
Nur Syafiqah Yaccob, Smk Dato' Abdul Rahman Yaccob, Merlimau, Melaka
Melor Md Yunus, Harwati Hashim, Universiti Kebangsaan Malaysia

THE LEADER IN ME: POSITIONING CHILDREN LEADERSHIP CONSTRUCTS FROM ISLAMIC PERSPECTIVE 33
Sabariah Faridah Jamaluddin, Little Caliph Preschool
Zaida Mustafa, Universiti Tun Abdul Razak (UNIRAZAK)

THE CHALLENGE OF DISENGAGEMENT DURING LOCKDOWN: SUCCESFULLY ENGAGING STUDENTS IN AUDITING COURSES 34
Supawadee Moss, UNE Business School,University Of New England

Preface

The past year has challenged all of us in many ways and the education sector is still experimenting with remote teaching as half of the global student population is still affected by full or partial school closures. Teaching professionals have had to adapt to extended periods of minimal social contact, of working from home, of altering lesson plans, of home-schooling their own children and their students at the same time, and of learning new digital tools to support teaching and research. We have had to be resilient and creative during these hard times.

This conference was held to provide a forum for sharing the latest ideas and developments, best practices and principles with regards to conducive and supportive environments needed to enhance teaching and learning from the misalignment between resources and needs to the reality checks we must all come to terms with in regards to leadership and management strategies in the new norm.

The Global Education Conference and Postgraduate Colloquium 2021, organised by Universiti Tun Abdul Razak offered an avenue for educationists and education enthusiasts from all over the world to meet, learn and network with peers and experts as they discuss the challenges and solutions of global education amidst the pandemic in its widest sense, across disciplines, methods and cultures.

Foreword

YBhg. Prof Datin Paduka Dr Samsinar Md Sidin
Vice Chancellor, UNIRAZAK

The 1st Global Education Conference and Postgraduate Colloquium 2021, with the theme **Education in Crisis: Global Education Amidst the Pandemic and the Way Forward** addresses urgent issues that are quickly gaining traction in both academic and industrial discussions.

COVID-19 has dramatically reshaped the way education is delivered all over the world. We have seen where universities and schools are closed, and millions of students are learning in remote environments with or without technology, and for some, many are left behind. The education ecosystem has been impacted significantly, creating uncertainties in regard to the implications for education.

UNIRAZAK has taken the opportunity to organise this conference with the objective to focus on education at all levels. We, at UNIRAZAK, are aspired to create awareness as a stepping stone on the way forward by providing a platform to share ideas on solutions and strategies for the current and future education practices.

This conference highlights highly prolific speakers from various backgrounds. We have an amazing line-up of policymakers, economists, educationists from all levels, NGO representatives, Early Childhood Education organisations as well as public and private schools and universities. We aim to provide the platform for discussion and sharing of new ideas as the way forward in navigating this new landscape of education both at the national and international levels.

We are very pleased with the positive response to our invitation from various local and international institutions as well as institutions of higher learning. The very first GECPC receives 42 submissions from enthusiastic local and international participants, gives us the confirmation that what we are starting with GECPC2021 is a big move in the right direction.

The conference program represents the efforts of many people. We would like to take this opportunity to thank Kiwanis Club Taman Tun Dr Ismail and the Khalifah Model School Primary, as well as UNIRAZAK's staff from the Senior Management Team to the organising committee members for the commitment to initiating and coordinating the conference. Not forget to mention, our heartfelt gratitude and congratulations to all speakers who are with us today, in making this conference a reality. Finally, the conference would not be possible without the excellent papers contributed. We thank all the authors for their contributions and their participation in GECPC 2021.

We hope that this program will further stimulate research in the education sector, and provide practitioners with ideas for their personal and professional developments. We feel honoured and privileged to serve the best recent developments in the field of education to you through this exciting program.

Keynote Speakers

New Challenges in Education Post Covid-19
Tan Sri Dato' Sri Hj Syed Zainal Abidin Syed Mohd Tahir
Chairman of Brainy Bunch
Former Chairman of UiTM, Malaysia

Transformative Education: Conflict, Learning & Sustainable Peacebuilding
Prof Emeritus William Timpson
School of Education,
University of Colorado

Finland's Formula in Addressing Educational Challenges in the Face of the Pandemic
His Excellency Sami Leino
Ambassador of Finland to Malaysia and Brunei
(Ministry for Foreign Affairs of Finland)

Riding the Pandemic Waves: How Maldives Confronts New Challenges in National Education
Dr Abdulla Rasheed Ahmed
Minister of State for Education, National Institute of Education of Maldives

How Schools and Higher Education are Getting through COVID-19: Early Lessons Learned from China's Experience
Ruby Liu Shujuan
Malaysia Education Service Centre, China (Guizhou)

Education in Crisis: : Global Education Amidst the Pandemic and the Way Forward

Forum

Moderator

Fatimah Abu Bakar
President, Kiwanis Club TTDI, Head of Children and Youth Development,
Kiwanis Malaysia Academy,
CEO, Celebrating Thinkers Sdn Bhd

Speakers

Dato' Fatimah Saad
Founder & Chairperson,
Kiwanis Malaysia Academy

Taranjeet Singh
Chairman
Chartered Management Institute (CMI) Regional Board Malaysia

Assoc. Prof Dr Zaida Mustafa
Dean, The School of Education and Humanities (SEH),
UNIRAZAK

Datin Shomiriza Shomidon
Member, Board of Directors and Principal,
Khalifah Model School Primary

EdTech Talk

Reimagining the Role of Technology in Education

Moderator

Muzamir Othman
Senior Director,
Knowledge Management Centre,
UNIRAZAK

Speakers

Ts Dr Muhammad Helmi Norman
Apple Distinguished Educator

Victor Lam
Educational Specialist, Google

Colt Kwong
Senior Solutions Engineer
Canvas Instructure

Dr Dzahar Mansor
National Technology Officer,
Microsoft Malaysia

Employers Perception of Essential Engineering Employability Skills: What Dimensions are Important?

Amarjit Singh, Zaida Mustafa, Azrul Fazwan Kharuddin
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

The Institution of Engineers Malaysia (IEM) and the Board of Engineers Malaysia (BEM) stressed the need for Malaysian engineering graduates to be able to assimilate sustainable development knowledge, skills and values in their professional practice. To accomplish the attributes of engineering graduates of the 21st century, engineering education has to match the desired strategies that can produce the desired quality of graduates. The purpose of the study is to develop and validate an engineering employability skills framework for Malaysian engineering graduates, which are built upon the Malaysia Engineering Employability Skills (MEES) model developed by Zaharim, Yusoff, Omar and Mohamed (2009). The objectives are to elucidate the most theoretically and statistically accurate factor structure of the previously developed MEES model using the Structural Equation Model (SEM) based on pertinent stakeholders' perceptions on essential skills required and current needs in engineering fields. The survey response analysis was carried out and confirmatory factor analysis (CFA), establishes measurement validity and reliability and demonstrates AMOS analysis and hypotheses testing.

Keywords
Malaysia Engineering Employability Skills (MEES), Structural Equation Model (SEM), engineering graduates, engineering education, Confirmatory Factor Analysis (CFA)

The Effectiveness of the Metacognitive Strategy in Improving The Mastery of Al Quran Children Skills

Aminah Mat Yusoff, Dr. Mohd Hisyam Abdul Rahim
Jabatan Pengajian Islam, Pusat Pengajian Umum dan Kokurikulum,
Universiti Tun Hussein Onn Malaysia

Abstract

Students' mastery of the Iqra' method is a major factor in their success in mastering the Quran recitation fluently and smoothly. The method developed by a famous scholar from Indonesia has been widely used in learning the basics of the Al-Quran in Malaysia. Currently, this method is accepted as one of the main methods in learning the basics of the Al-Quran in Malaysian primary schools. However, this method is not free from weaknesses and still can be improved with new approaches to get better results. The purpose of this study is to introduce and test the effectiveness of Meta-Siqra' method which is designed based on Iqra' method and improved with metacognitive strategies synonym with self-regulation (Preview, Question, Read, Reflect, Read, & Review) during the facilitation teaching process (PdPc). This study also aims to explain the effectiveness of metacognitive strategy techniques of the Prophet SAW in improving the mastery of al-Quran skills of primary school students.

Keywords:
Iqra '; metacognitive strategies; the technique of the Prophet

Hello International Students, Is It Good to Study in Malaysia Private Universities?

Cheok, Mui Yee, Benjamin Chan, Yin Fah
Graduate School of Business, UNIRAZAK

Abstract

Malaysia's government has made a concerted effort to entice international students to pursue tertiary education in the country. As a result, it is necessary to ensure that students are satisfied with the level of services given by universities, whether in terms of physical facilities or customer service. However, there is a lack of evidence that examines the dimension of service quality and international students' satisfaction in the context of the education business. As a result, this study investigated the impact of the service quality factor on international students' satisfaction. A total of 376 survey questionnaires were collected from major private universities located in Selangor and Wilayah Persekutuan Kuala Lumpur using random sampling approach. Result showed that reliability of service, assurance of service, staff's responsiveness, staff's empathy as well as tangibility of universities influenced the satisfaction of service provided to international students. By integrating these attributes into students' studying experience, the private educators would be able to further improve the enrolment of international students into Malaysian private universities.

Keywords
service quality, international students, private university

Educational Learning Practices and Challenges in the Implementation of Physical Education of Ministry of Education Malaysia

Mohd Yaziz bin Mohd Isa
Graduate School of Business, Universiti Tun Abdul Razak (UNIRAZAK)

Aziz bin Hashim
School of Sports Science & Coaching Universiti Pendidikan Sultan Idris Shah (UPSI)

Abstract

The implementation of 21st Century Learning in all subjects at the time is mandatory including the subjects of Physical Education. In this regard, the study of practices and challenges of the implementation of 21st century education learning among Physical Education teachers is conducted to find out the extent to which the implementation practices of 21st Century Learning are practiced by Physical Education teachers as well as the challenges faced by teachers in ensuring the implementation of 21st Century Learning in accordance with the guidelines set by the Ministry of Education Malaysia. The objective of this study is to see the understanding of Physical Education (PE) teachers in Keramat District, Kuala Lumpur in practicing 21st Century Learning in PE subjects and methods to address the challenges faced. An interview was conducted involving four experienced PE teachers which involved open interview questions. The findings of the study showed that the implementation of 21st Century Learning in PE subject was implemented according to the guidelines but PE subject was not given priority because it is to complete the teacher's timetable only. To ensure that the PE subject is implemented in accordance with the essence of the National Education Philosophy, experienced teachers and implementation monitoring are given priority to produce students who are healthy in terms of physical, emotional, spiritual and intellectual.

Keywords
21st century learning, physical education, implementation, challenges, skill

The Effect of an Afternoon Nap (Qaylulah) on Recall of Tahfiz Students at Khalifah Model School Secondary

Aqtar Mohamed Ummar
Khalifah Model School Secondary

Abstract

Memory consolidation is greatly influenced by an adequate quantity and quality of sleep. There are a number of studies that have looked at the effects of nighttime sleep as well as afternoon naps on learning, especially memory, but there is a paucity of studies looking at this relationship in the context of Quranic memorisation. In this project paper, we set out to determine:1) The practice of afternoon napping (qaylulah) in Khalifah Model School Secondary (KMSS); and 2) The effect of qaylulah on recall of Quran memorised in the morning of 20 students in that school. KMSS uses the practice of qaylulah to supplement nighttime sleep and can be a model for schools that want to ensure their students get adequate sleep. For the test of recall, using ANCOVA analysis with pre-intervention scores as a covariate, we found a significant and large effect (p=0.051, partial Eta Squared= 0.231) of qaylulah on recall of Quran memorised in the morning whereby students who slept for 45 minutes during qaylulah did much better than those who used the equivalent time watching a documentary. Tahfiz schools should ensure their students get adequate nighttime sleep which can be supplemented with qaylulah as it will help the students memorise better.

Keywords
Qaylulah; tahfiz education; sleep; Quran memorisation

Global Classroom for Young Learners: Engaging Students Through Shared Values and Interests Towards a Progressive Education

Mohd Yaziz bin Mohd Isa
Graduate School of Business, Universiti Tun Abdul Razak (UNIRAZAK)

Azlin Mohd Afidi
School of Sports Science & Coaching Universiti Pendidikan Sultan Idris Shah (UPSI)

Abstract

It's an ideal classroom when the students come from different backgrounds, different cultures, live in different parts of the world yet are able to form friendships with each other thus creating a global citizen who understands and accepts each other's differences. Teachers worldwide had tried to instill these values through a student exchange programme and pen-pals. However, the recent pandemic that forced children to stay home has turned a crisis into an opportunity where two schools in different countries and time zones created a global classroom for students to learn about each other's cultures and countries, respecting each other's differences and at the same time discover that they share the same interests even though they might not have formed friendships have they lived in the same town. This talk will cover the challenges and the outcomes of the collaboration between Khalifah Model School in Malaysia and Westin School in Indonesia. The goal is to encourage teachers from the North Pole to the South Pole to work together and allow our students to experience meeting their peers living in other parts of the world that they might have never visited or had the means to visit and open up their
eyes to the different ways of living and views so they grow to be able to listen and accept each other's differences.

Keywords
global classroom, school collaboration, cultural exchange programme, Khalifah Model School, Westin School

Distance Education for Special Needs Students in Malaysia and Its Progress

Ashwini M.Madawana
Ministry Of Health Malaysia

Abstract

Special needs educators feel increased stress and workload due to the shift from face-to-face learning to online learning. Reports say that suicide rates have increased from January to May during 2021 because of the adaptation troubles that the population is experiencing during the Pandemic. This research aims to find out what has been done to assist those with disabilities to continue learning through distance programmes while the Pandemic ravaged the nation. It will assess how learning advancements made during this time helped families of children with disabilities and how it has improved education. The sampling procedure would have some specific parameters. It is thought that case sampling, which can be performed quickly, will be beneficial because of the Pandemic and Movement Control Restrictions. The study uses a method that involves semi-structured interviews to gather data. The head of each school's special education programme will be interviewed. The teachers' answers to various interview questions reveal their collective perception of the distance learning programme, how it incorporates special education software and their suggestions.

Keywords
distance learning and COVID-19, children with special needs, special need educators, special education, learning

Students' Experience with Virtual Learning Environment: A Case Study of UNIRAZAK Education

Hamidah Mohamad, Muzamir Othman@Marzuki
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

Online education has been dubbed as a 'revolutionary' platform that provides solutions to fulfil various needs of the contemporary learning environment and to provide more accessible educatio to people from diverse backgrounds. This is evident especially now after the COVID-19 pandemic has radically changed the global education landscape, replacing the traditional physical classroom setting with the online education environment as the mainstream platform of teaching and learning. This paper investigates students' experience with virtual learning, namely by exploring students' satisfaction towards their learning experience before and after full virtual teaching and learning was implemented due to the COVID-19 pandemic. Data were collected from a total of 673 respondents among students of UNIRAZAK in Semester 1 of the academic year 2020 (N=275) and Semester 1 of the academic year 2021 (N=398) using a survey questionnaire, covering the domains of teaching and learning materials, teaching and learning activities and online assessment on UNIRAZAK's LMS platform called UROX. Data were analysed using descriptive statistics for quantitative findings, and thematic analysis of open-ended feedback on learning experience for qualitative findings. Results indicated a significant increase in students' satisfaction towards the virtual learning environment, namely UNIRAZAK's UROX LMS between the pre-pandemic period and post-pandemic periods. This paper provides important insights, especially for environmental educators and education providers on learners' expectations towards the virtual learning environment.

Keywords
virtual learning, online education, learner experience, student satisfaction, learning management system

Modelling Economic Wellbeing and Happiness Through the Social Capital Lens: A Theoretical Concept

Islam, Gazi Md. Nurul, Samsinar, Md. Sidin
Graduate School of Business, UNIRAZAK

Abstract

The purpose of this paper is to explore relationship between wellbeing and social capital factors in an attempt to establish theoretical concept for happiness. Social wellbeing and happiness in the society has become an important policy agenda among the economists and social scientists. The theoretical and empirical literature indicated that money cannot buy happiness in the society. Recent studies have highlighted that factor constituting material wellbeing do not necessarily indicate subjective wellbeing and happiness. However, the relationship between income and wellbeing diminishes as income raises. Social capital and social contracts are increasingly viewed as key components in ensuring desirable social and economic outcomes. In Malaysia, a set of indicators were established to measure wellbeing of people. Past studies have indicated that there is strong relationship between spirituality/religion and subjective well-being in Malaysia. The association of income and wellbeing is likely to occur when people become more satisfied with their finances, and when people become more optimistic about their futures. Well-being in life is basically an effort to overcome problems and enrich the human life quality until they are in a safe, secured and comfortable condition physically, socially or psychologically. In Malaysia, the present national measures of well-being overlooked the intangible subjective aspects of well-being and happiness which include emotional components of people's satisfaction and expectation. The paper has summarized the wellbeing and happiness indicators for measuring sustainable wellbeing of Malaysia.

Keywords
subjective wellbeing, social capital, material wellbeing, happiness

Improving Students' Participation in English Language Classroom Using Pear Deck During The New Normal

Zarina Hashim
SMK Mak Mandin

Abstract

Students get demotivated when it comes to online learning at home especially during English lessons because they are not comfortable with it in the new normal. Students are eager to join and participate actively in a lesson where the use of technical tools and appropriate evaluation are performed during online classes. This study attempted to establish a way for dealing with students' engagement in online learning in a Form Five class during the COVID-19 pandemic in order to motivatethem to participate actively during remote classes. Pear Deck, an online learning platform, was employed to address the problem and encourage students to participate and engage in online learning. The participants in this study include 22 students with an average competency level. The data for this action research approach was gathered through observations, the number of grammar and writing activities completed, and the time spent completing all of the exercises. The data was examined using a quantitative method based on the percentage of students' attendance. The study's findings show that active learning pedagogy practises are major motivators for students in online classes to stay engaged during the pandemic, since the number of students joining in online classes increased dramatically after utilising Pear Deck from February to July 2021. Despite the limitations of internet connectivity and device shortages, the findings of this study offer the potential to improve teaching methods in ESL classrooms by providing students with more engaging activities.

Keywords
Pear Deck, online learning, ESL classroom, Covid-19 Pandemic, Student's participation

Teacher's Readiness towards Digital Learning Environment: The Role of the Teacher

Nuzha Mohamed Taha,
Sofia Elias,
Rabiha Maya Adiera
Faculty of Education and Humanities, UNITAR International University

Siti Farhah A Aziz
School of Education and Humanities, UNIRAZAK

Abstract

Along with technological development, traditional teaching methods have been challenged by various technologically enhanced teaching and learning methods. With this change, come changes in the role of the teacher. The purpose of this study is to explore secondary and primary school teachers' readiness towards digital learning in a 21st-century environment. This qualitative study also sought to examine their roles from a disseminator of information to a facilitator of learning. Interviews were conducted involving 8 school teachers in which consist of 5 secondary school teachers and 3 primary school teachers in Selangor. More than 3 years of teaching experience with ICT integration has been used as part of the criteria in selecting the participants. The schoolteachers were observed as they used digital tools to teach in their classrooms. Finding shows teachers' readiness had derived from their Self-Determination by attending practical and academic events. Professional development also needed to prepare the teacher for teaching in the online learning environment. Findings also show that pedagogical evolution has been a very crucial element in designing and delivering curriculum using ICT in a digital learning environment.

Keywords
teacher's readiness, digital learning, ICT integration, teacher's role

Digital Storytelling in the Home-Based Learning During The Pandemic

Yee Bee Choo, Faridah Mohd Sopah, Salbihana Samsudin, Halif Md. Saleh and Vijayan Periasamy
Institute of Teacher Education Tun Hussein Onn Campus

Abstract

The 2019 Coronavirus (COVID-19) pandemic has resulted in the closure of all schools in Malaysia and forced all teachers to conduct Home-based Learning (HBL) for their students. This resulted in a change of teacher practice in terms of pedagogy as they need to implement online teaching in the pandemic era. Storytelling is a teaching method commonly practiced by the teachers in the classroom and now teachers have to resort to digital storytelling due to the pandemic. This pilot study aimed to find out the teachers' perceptions towards the use of digital storytelling in conducting HBL during the pandemic. This study utilised a survey on the demography, teachers' experience in using digital storytelling, the common methods and the challenges in digital storytelling among a group of primary school teachers. The sample involved 38 teachers from two primary schools in the state of Johor and the instrument was a questionnaire distributed through Google Form. The data were analysed descriptively and the findings showed that the overall level of teachers' experience of using digital storytelling was low (m = 2.24) and the three challenges that were faced the most by the teachers were internet problem, lack of technological skills and the need to finish the school syllabus. This study suggests teacher readiness as one of the important elements in helping teachers and students adapt to the new learning environment during the pandemic. The implications are the planning and implementation of university and teacher education programmes and courses or training that focus on pedagogy and skills in the use of digital storytelling for prospective teachers and school teachers.

Keywords
digital storytelling, home-based learning, teacher perceptions, primary school, the pandemic

Transitioning to Online Teaching Amidst COVID-19: How School Teachers' Transition From In-Person to Online Teaching

Santhi Davi Nair, Sofia Elias, Nuzha Mohamed Taha, Rabiha Maya Adiera
Faculty of Education and Humanities, UNITAR International University

Siti Farhah A Aziz
School of Education and Humanities, UNIRAZAK

Abstract

One of the most revealing things about the year 2020 till present days has been how globally unprepared the education sector was for closure amid a pandemic. The COVID-19 virus was so virulent that almost immediately physical in person classes were cancelled and after a while teaching moved online. This study explores, from the perspective of five schoolteachers in Klang Valley, how they moved from in person to online teaching during the MCO and the challenges they faced. In this study, the challenges faced by them are explored and documented using qualitative research as the mode of inquiry. The main mode of data collection is recorded interviews with transcripts supported with virtual observation that elicits information from the participants on their personal experiences and the challenges they faced. This research concludes that while anxious and worried, their insistence on experimenting and learning drove these teachers to do their best under the most unusual circumstances. And the challenges they faced forced them to adapt and look for different ways to reach their students. This paper offers insights into the elements of teacher character including willingness to reinvent themselves, the strengths and weaknesses in our educational infrastructure, and the role of parent-teacher collaboration in enabling student learning.

Keywords
COVID-19, online teaching, role of the teachers, transitions

An Application of Fuzzy Delphi Technique to Measure Experts Consensus on Communication Skills Among Engineering Graduates

Mohd Farid Atan Md. Saleh and Vijayan Periasamy
Universiti Malaysia Sarawak

Amarjit Singh, Zaida Mustafa, Azrul Fazwan Kharuddin
Universiti Tun Abdul Razak

Abstract

Delphi method is a technique and structured approach used to review and collect opinions of a group of experts, however, it has its own weaknesses. The Fuzzy Delphi Method (FDM), derived from a modification of the Delphi method, is considered by many researches as superior in providing evidence of human linguistics (which is the signature of the Delphi Technique). In this paper, the Fuzzy Delphi Method was used to assess the content of communication skills among engineering graduates. This development phase is a part of a project to develop an engineering employability skill framework in Malaysia. This phase involves the view of 10 experts who are experienced and have deep knowledge in engineering. It is a rigorous statistical analysis to validate the validity of the abstract concept of communication skills. The paper presented the result of the experts' view and the appropriateness of the Fuzzy Delphi Method as an important tool to provide information about the validity of communication skills content. Experts' perceptions have shown incongruity with respect to speaking and understanding more than one language among engineers. The experts agreed that engineering graduates might be given a clear direction, listen and ask questions in their employability skills proficiency.

Keywords
Fuzzy Delphi Method, validation, communication skills, engineering employability

Secondary School Students Counseling Needs: What Components are Important?

Haji Mohd Azli Bin Jailani, Sofea Binti Elias
Faculty of Education and Humanities, UNITAR International University
Nuzha Binti Mohd Taha

Abstract

The purpose of this study was to identify the components of counseling needs as perceived as important by secondary school students. The understanding of the needs is crucial for school counselors in tailoring the specific counseling programs for students. The study was conducted in a qualitative method where the data were analyzed in three phases of reviewing exercises; a) focus group interviews that involved 16 (N=16) students as participants from two different secondary schools in Selangor, b) open-ended question was distributed to 331 (N=331) respondents from three different secondary schools in Terengganu, Perak and Selangor, and c) interview sessions to gain school counselors' opinions about student counseling needs that had involved 5 (N=5) school counselors. The findings of the study have shown that the components of counseling needed as highlighted by the students can be grouped into six different categories; first is personal development, second emotional needs, third career development, fourth learning skills, fifth peer relationship and sixth family.

Keywords
secondary education; counseling

Multilinguals' Incidental Acquisition of Novel Words with Lexical Cues in L1 and L2

Irwan Tham Adam Tham
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

The purpose of this study was to examine how multilinguals incidentally acquire novel words with lexical cues given in their first language (L1) and second language (L2). This study was conducted by obtaining quantitative data from a post-test. The population of this study were 252 Chinese multilingual Malaysian university students whose L1 is Mandarin. The L2 of participants are English in which they have undergone formal English education since primary school. The findings from the post-test results indicates that participants acquire novel words in L2 better when accompanied with lexical cues in their L1 as compared to cues in their L2. The L2 proficiency of participants did not show any significant effect when it comes to incidental acquisition in both L1 and L2 conditions. The use of L1 cues leads to higher incidental vocabulary acquisition despite the differences in L2 proficiency of participants compared to L2 cues. This study makes two contributions to research in language acquisition: Methodologically, this research aims to look into alternative vocabulary acquisition strategies namely the use of L1. Empirically, this study sheds light on how multilinguals incidentally acquire vocabulary when given cues in L1 and L2 with implications for future research and classroom practice.

Keywords
L1 & L2; Lexical cues; multilingual; novel words; translanguaging

Developing Quantum Physics Instructional Module for Secondary School: A Needs Analysis

Laurah Markus, Mohd Zaki Ishak
Universiti Malaysia Sabah

Abstract

Effective instructional approaches have been the main concern in teaching Quantum physics (QP) as this topic is abstract and distinct from classical physics. In addressing this issue, a needs analysis was conducted to discover the anticipated problems in QP learning with the STEM education integration approach to identify gaps and expectations. This research is a qualitative study where a semi-structured interview was conducted with two experts in physics education and two physics teachers selected under a purposive sampling technique. The interview was performed one-on-one via online platformsduring the COVID-19 pandemic's mobility control order (MCO). The data from the semi-structured interview was analysed using thematic analysis, and the result was presented as thematic maps. Two major themes emerged from the analysis: needs identification, which expresses the teacher's readiness, perceptions, and QP nature, and expectation, which characterising content knowledge, pedagogical skill, QP instructional resources, teacher professional development, and instructional approaches prerequisites. Overall, the result indicates that a practical instructional module should be developed to meet users' needs.

Keywords
instructional module, needs analysis, secondary school, semi-structured interview, quantum physics

The Application of No-code/Low-code Platforms in the Sector of Education

Mohar Yusof
Universiti Tun Abdul Razak (UNIRAZAK)

Farhad Khosrojedi, Hamed Motaghi
University of Quebec

Abstract

The education sectors have been affected drastically all over the world due to COVID-19. The need for utilizing technologies to deliver online learning has compelled educational entities to accelerate digital transformation. However, the immediate shut down of educational organizations, lack of preparation for such an event caused unprecedented challenges for educational systems to effectively deal with digital learning transformation. In addition, the time-consuming process of developing software applications negatively affected the reasonable solutions. Using low-code/no-code (LCNC) platforms, Citizen Development (CD) offers intuitive and swift tools to users with minimum or no knowledge about coding languages to develop software applications. In this paper, we introduce CD as an effective approach to overcome the negative
implications of the pandemic providing a framework for delivering an application development project that is suitable for the educational sector. To accomplish this, we present its software development life cycle (SDLC), project delivery guidelines, and required essential processes. Furthermore, requirements of the associated risks including non-functional and functional are specified as well. Reducing administration workloads and efficient operation of the learning system are the additional benefits of applying LCNC platforms.

Keywords
higher education, citizen development, digital transformation, educational Apps, agile process, PM process

Teaching and Learning of Entrepreneurship and Innovation in a Digital Setting

Eric Balan
AsiaTech Business School

Li Jisheng, Lilie Zahara Ramly, Mohar Yusof
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

The aim and motivation of this paper is to discuss the teaching and learning effectiveness of the Entrepreneurship and Innovation course which was delivered fully online for two semesters (July semester 2020 and November semester 2020) at Universiti Tun Abdul Razak. This course is a university core course and has to be taken by first-year undergraduate students in every Bachelor degree programme. The course is designed to inculcate entrepreneurial and innovative thinking and mindset through a series of individual and group activities. The focus of this paper is on the group activities which account for sixty percent of the total grade. The group activities which apply the design thinking approach and the 'Lean Canvas' tool required students to design and develop entrepreneurial or innovative ideas and projects which solve problems or pains faced by the target customer segment(s). Before the COVID-19 pandemic occurred, the facilitation of these group activities was undertaken in a physical classroom setting and students preferred to engage, communicate and prepare their work by meeting face-to-face. However, due to continuous lockdowns and closing of the campus in the mentioned semesters, the delivery had to be radically changed to a digital setting. Interestingly, the change in the teaching and learning approaches and strategies could have enhanced the fulfillment of the learning outcomes as well as improved certain learning skills and competencies on the part of the students. Based on experiential learning and project-based frameworks as well as examining digital-based instructional design, this paper deliberates on the qualitative insights and analyses to address the issue of whether an entrepreneurship and innovation related course can be taught fully online.

Keywords
teaching, learning, entrepreneurship, innovation, education, digital, online

Exploration of Practice and Readiness of Teachers to Apply Augmented Reality in Teaching and Learning

Abdullah Derahman, Mohd Rasid Chik, Raja Shaharudin Raja Muhamad, Zikri Awang, Mohd Rozi Ismail, Jaswardi Anwar Md Yaakub
Institute Teacher Education Kota Bharu Campus

Abstract

This study explores the practice of using Augmented Reality (AR) among teachers and explores the readiness of teachers to apply AR in teaching and learning. The target population consists of teachers in secondary and primary schools in the state of Kelantan. This study uses a qualitative case study design. Several interviews and focus group discussions were conducted for the purpose of data collection. Key themes were developed for both categories of study participants. Participants shared their educational experiences in applying AR and their readiness for AR. Although study participants initially felt AR was relatively new to them, the study found that they were willing to implement AR if supported by stakeholders. The findings of the study provide a clear view of how strategies to apply AR as an educational medium to transform and improve instructional tools in the classroom to meet the needs and interests of students. Proposals for the strategic implementation of AR need to be adapted to the specific learning environment for schools in Kelantan. A follow-up study of the second phase of the study that will examine the experience with AR applications needs to be conducted.

Keywords
Augmented Reality (AR), teacher practice, teacher readiness, Industrial Revolution 4.0

An Intention of TVET Undergraduates in Entrepreneurship Field - A Case Study Towards TVET Education Institutions Providers

Mohammad Rizal Maarif
Manipal GlobalNXT University

Abstract

TVET education is similar to the conventional education system. TVET education can be categorized under Sciences, Technology, Engineering, Mathematics education, or STEM education. As explained in the Malaysia Education Blueprint (2015 – 2025), Malaysia's education should be focused on STEM education to prepare Malaysia to be an industrialized country by 2050. Malaysia has to be ready for the education system to produce graduates with full technology and vocational skills. TVET education in Malaysia also needs to benchmark developed countries' TVET education systems, especially Germany, Korea, and Japan. TVET education is not only to prepare the students for their technical skills or work area. The main purpose of TVET education is to produce young entrepreneurs who will use TVET education as a stepping stone to be skillful. The purpose of this research proposal is that researchers would like to know why TVET graduates are not involved in entrepreneurship or technopreneur as their primary career. This research will explore why certain graduates have been involved in entrepreneurship as their career? Is it because of the university curriculum, encouragement from parents, family, lecturers, friends, motivation, capital, or descent? This research focuses on TVET Education Institution because these institutions focus on producing TVET graduates. These primary research questions measure an awareness about TVET graduates joining the entrepreneurial field as their career and how to change the perception about entrepreneurship careers after completing their TVET study. The main research objectives are to be used as a reference and expected to assist various government or non-government, especially Malaysia Ministry of Higher

Keywords
TVET education, entrepreneur, STEM education, career, attitude, motivation, curriculum

Comparison of Gender Learning Effectiveness Through Video

Dominic Wong
Tunku Abdul Rahman University College (TARUC)

Abstract

Learning is important for students to build their foundation of knowledge that they can utilize in their future careers. Learning through videos is considered as an effective tool for many students, the topic was well reviewed by many researchers. This paper is going to explore the learning effectiveness of video in teaching business related topics and will also include suggestions to improve teaching using video clips. Some studies have indicated the trait differences between male and female students in e-learning. The researcher will explore perceptions of video learning effectiveness between male and female students.

Keywords
Video Learning, Effectiveness, Business Students, Gender

Developing Innovative Technology in Building Mental Health Resilience Amid COVID-19 Epidemic Among Private University Students

Mohd Al Mahdi, Farah Damia, Harnani Mohamed
Education/ Faculty of Education and Humanities,
UNITAR International University

Abstract

In this study, research is on developing innovative technology in building mental health resilience during the COVID-19 epidemic among private University students. As we know, suicidal cases, anxiety, and depression, for instance, have increased and this phenomenon has been proven very essential in the global arena. Therefore, the research on the National Health and Morbidity was done by the Ministry of Health Malaysia in 2015 towards 30,000 respondents has shown that 4.2 million people who are 16 years old (29.2% of the population) are having a lot of mental illnesses. This research also aims to develop innovative technology such as a hybrid application for mental health awareness. Therefore, collaborative ideas on how to develop a new module about mental health issues during this pandemic for private university students between the teachers, counselors, clergy, and spiritual practitioners should be given a priority. This research indirectly helps our private University students to cope with and come out with positive ways amid this COVID-19 pandemic situation.

Keywords
mental health; resilience; hybrid application; pandemic; COVID-19

Investigating Early Childhood Educators' Understanding, and Practices Related to Value Based Education During Pandemic COVID-19

Mohd Shawani Ahmad Sab
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

National Education Philosophy of Malaysia has clearly outlined 16 values that needed to be taught in class yet there is still room for improvement to be done in the implementation part. Less attention is paid to the aspects like child psychology, child development and empathy towards children thus, need to be emphasized as well. The purpose of this study is to gather information on early childhood educators' understanding and practices related to value-based education during pandemic COVID-19. The study was conducted through a qualitative method using Focus Group Discussion in order to identify teacher's belief on value-based education and National Education Philosophy, what is their current practice related to value-based education during COVID-19 and their practices and belief about children's socio-emotional well-being related to value-based education. Sample is using 6-8 early childhood educators from 3 early childhood centers. The findings of this study indicate that early childhood educators' understanding, and practices are influenced by their situation. The data shows that educators' understanding, and practices are developed based on their previous experience and training. However, there are participants still in process of developing their practices during pandemic and understanding to be aligned with value-based education and National Education Philosophy. As this study was undertaken in a group of early childhood educators from 3 early childhood centers only, the researcher recommends that future replications of this study, or a similar study, should be conducted in other states in Malaysia.

Keywords
Early Childhood Educator, Value-based education, pandemic, COVID-19

Teacher Evaluation (TEVAL) for Assessing Students' Virtual Learning Experiences: Is it Valid and Reliable?

Muzamir Othman, Zaida Mustafa, Azrul Fazwan
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

Researchers have explored many variables considered to impact student learning, and "at the heart of this line of inquiry is the core belief that teachers make a difference". To ensure that every student is taught by a high-quality teacher, a teacher evaluation system is needed to accurately assess teacher performance and improve teacher quality. A number of published studies have identified the issues with traditional teacher evaluation as a method for teacher development, however, virtual learning needs different criteria of teacher evaluation to collect feedback about teacher effectiveness. The purpose of the study was to determine the reliability and validity of TEVAL, a teaching evaluation measure to collect students' feedback on the effectiveness of online teaching and learning. This research used a quantitative descriptive research method and survey research design to explore the reliability of TEVAL five criteria. Data were collected from 20 students from five different schools in Universiti Tun Abdul Razak (UNIRAZAK), Malaysia. The data for this survey were collected by means of a TEVAL questionnaire, which was rated on a 5-point Likert type rating scale ranging from 5 (strongly agree) to 1 (strongly disagree). Results showed that there was a high degree of agreement among the students' evaluations, with the average measurement of ICC was 0.979 at a 95% confidence interval ($F(19,494) = 48.537$, $p<0.000$). ICC is a measure of the reliability of measurements or ratings. The validity test using Kappa values and paired sample t-test on two lecturers who were perceived as effective and ineffective, resulted in significant differences in students' rating, thus providing evidence of construct validity of the TEVAL criteria.

Keywords
teaching evaluation; virtual learning; online learning; validity and reliability

Private Higher Education Institutions (PHEIs) in Malaysia: An Assessment of Service Quality and Students' Satisfaction

Nik Rosnah Wan Abdullah, Nor Azami Rosli, Ravindran Ramasamy
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

In confronting multiple challenges, higher education institutions need to know how they are doing in order to attract and retain students. This empirical study reports the results of a study university, UNIRAZAK, in determining the service quality and students' satisfaction. Methodology: Employing Parasuraman's SERVQUAL-scale, the paper attempts to answer the main research question: Is there a relationship between service quality (reliability, assurance, tangibles, empathy and responsiveness) and student's satisfaction? The paper also takes a close look at their learning experience before and during the pandemic COVID-19. A total of 220 completed questionnaires were collected. Findings: Results show that UNIRAZAK students perceived Empathy to be the best dimension of service quality and that there was a significant difference in the Tangibles dimension comparing pre and during MCO. Implications: The study implies that preparedness for eventualities had paid off during the pandemic. Although the findings pertain to UNIRAZAK, it should help other Malaysian PHEIs to better understand the current state of its services.

Keywords
private higher education institutions, service quality, students' satisfaction, online learning

Leveraging Technology for Remote Learning in Preschool Education: A Design Thinking Approach

Noor 'Olya binti Dollah
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

The COVID-19 has revolutionised global education. In early 2020, the COVID-19 outbreak forced the closure of schools all over the world. Because the closures lasted for months, there was a clear educational demand for remote learning to help students make up for lost learning time while the lockdown was in effect. Thus, the goal of this research is to use Design Thinking to create a technology-assisted learning module that can be used in remote teaching and learning for preschoolers. As methodology, an appropriate developmental research design based on a Design Thinking Model will be used. Empathize, Define, Ideate, Prototype, and Test is the model's call for a systematic and rigorous process of developing, testing, and evaluating the feasibility of innovation on a created technology-assisted learning module that can help 6-year-old preschoolers with school readiness via remote learning. Finally, this study is expected to provide useful evidence regarding an appropriate framework for developing technology-assisted learning for preschool children. It could become a critical solution for ensuring that children as young as six years old develop school-ready skills, despite the pandemic's disruptions to their early education.

Keywords
remote learning, design thinking, preschool, technology-assisted learning, COVID-19, emerging technologies

Digital Home Learning Environment to Enhance Screen Media Learning: A Theoretical Foundation

Noor Afidah Abu Bakar
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

The world is seeing a spike in the use of screen media among young children since learning has been shifted from school to the home environment due to the COVID-19 pandemic. This drastic shift to online learning and the challenges it presents are an issue of concern to parents and educators. Without proper guidelines, young children's learning and development will be adversely impacted. This study presents the concept of Digital Home Learning Environment (DHLE) that is significant in supporting young children's learning using screen media at home. It summarises the various scopes of Digital Home Learning Environment studies and its dimensions The background and the problem statement that has driven the study are discussed. The theoretical framework, which is a combination of theories and existing models, is a contribution in guiding the study. The theoretical approach incorporates learning and facilitation strategies, screen mediation and emotional support for young children in their digital home learning environment.

Keywords
digital home learning environment (DHLE); screen media; education technology

Measuring the Relationship Students Entrepreneurial Personality Traits Towards Entrepreneurial Potential of Vocational Colleges Students in Malaysia

Norffadhillah Rofa, Asc. Prof. Dr. Rohana Ngah
University Technology MARA

Abstract

The aim of this paper is to examine the effects of needs of achievement and entrepreneurial innovativeness on entrepreneurial potential and the moderating role of entrepreneurial mentoring. The study on entrepreneurial mentoring as a moderator is sparse and this study can provide an extensive explanation regarding the moderating impact of entrepreneurial mentoring. The data collected from 252 vocational colleges students are analyzed by using partial least squares structural equation modelling (PLS-SEM). The findings discover that needs of achievement and entrepreneurial innovativeness have a positively significant relation with entrepreneurial potential while entrepreneurial mentoring is proven not to moderate the existing relationships in this study.

Keywords
needs of achievement, entrepreneurial innovativeness, entrepreneurial potential

Pembudayaan Amalan Kajian Tindakan Melalui Program CPD Dalam Talian IPGK Raja Melewar Semasa PKP Pandemik COVID-19

Zailah Zainudin
Institut Pendidikan Guru Kampus Raja Melewar

Mohd Syafiq Aiman Mat Noor
University College London

Satirah Ahmad
Institut Pendidikan Guru Kampus Bahasa Antarabangsa

Abstract

Krisis global yang disebabkan oleh penularan wabak covid19, telah menyebabkan tugas guru menjadi mencabar justeru program Pembangunan Profesionalisme Berterusan (CPD) dalam talian merupakan antara strategi yang penting dalam usaha memantapkan amalan PdP guru semasa PKP pandemik Covid-19. Satu inisiatif telah diambil untuk membudayakan amalan kajian tindakan dalam kalangan guru melalui program yang didaftarkan sebagai CPD dalam talian di IPGK Raja Melewar. Tujuan kajian ini adalah untuk menyokong guru melakukan inkuiri terhadap amalan pedagogi mereka semasa Perintah Kawalan Pergerakan semasa pandemik Covid-19 dan seterusnya dapat merancang dan melaksanakan PdP normal baharu melalui projek kajian tindakan. Artikel ini menerangkan dua persoalan utama iaitu: i) Bagaimanakah CPD kajian tindakan secara dalam dibangunkan dan dipromosikan semasa PKP pandemik Covid-19?, dan ii) Bagaimanakah CPD kajian tindakan secara dalam talian dilaksanakan dalam kalangan guru semasa PKP pandemik Covid-19? Pada peringkat permulaan, pelbagai platform media sosial dan aplikasi mudah alih telah digunakan untuk mempromosikan CPD kajian tindakan dalam talian. Seterusnya, CPD kajian tindakan dalam talian telah dijalankan dengan menggunakan pelbagai aplikasi persidangan video. Dapatan kajian menunjukkan seramai (n=215) guru yang berkhidmat di pelbagai peringkat pendidikan telah berjaya mendaftar dan mengambil bahagian dalam CPD kajian tindakan dalam talian yang dijalankan. Kajian ini mendapati bahawa kajian tindakan berjaya dijadikan sebagai satu pendekatan sistematik yang dapat membangunkan amalan profesionalisme guru. Kajian tindakan juga dapat menambah baik amalan PdP mereka dengan melakukan inkuiri terhadap amalan pedagogi mereka sendiri. Dapatan kajian ini juga mencadangkan agar kajian tindakan sebagai model kepada CPD secara dalam talian dapat dibudayakan dalam kalangan guru untuk menangani isu-isu dalam PdP semasa PKP pandemik Covid-19.

Kata Kunci
pembangunan profesionalisme berterusan kajian tindakan, PKP1, pandemik

Daya Tahan Kepimpinan Dalam Kalangan Pengusaha Taska di Malaysia dalam Era Pandemik COVID-19

Nur Fazella Abdul Jamil, Fatimah Tambi
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

Penularan pandemik Covid-19 ini memberikan cabaran baru kepada kelestarian dunia pendidikan awal kanak-kanak. Kajian ini meneroka bagaimana dan apakah faktor daya tahan kepimpinan pengusaha taska untuk terus bertahan menghadapi pandemik Covid-19 bagi memastikan pendidikan awal kanak-kanak di Malaysia terus kekal. Kajian ini bertujuan untuk mengenalpasti mekanisma corak kepimpinan yang berdaya tahan dalam mengurus dan memimpin organisasi Pendidik Awal Kanak-kanak untuk terus kuat dan bertahan menghadapi cabaran dalam memastikan kelestarian Pendidikan Awal Kanak-kanak akibat pandemik Covid-19. Kajian ini dilakukan melalui kaedah kualitatif iaitu memahami fenomena yang berlaku semasa Covid-19 dengan mengadakan temubual bersemuka secara mendalam bersama pengusaha taska melalui ''zoom meeting'' untuk mengenal pasti kaedah dan faktor mengapa dan bagaimanakah cara kepimpinan yang berkesan yang dipraktikan dikalangan pengusaha taska untuk terus kuat dan berdaya tahan dalam menghadapi pandemik Covid-19. Responden dipilih dari 5 pengusaha taska institusi di Selangor. Dapatan kajian ini menunjukan bahawa lima kompetensi utama yang perlu ada pada pemimpin berkualiti iaitu berpengetahuan, berkemahiran, berkeperibadian positif, menyumbang kepada organisasi, dan kesanggupan memimpin. Hasil kajian ini dapat mengetengahkan corak kepimpinan yang terbukti berdaya saing menerusi praktis yang diguna pakai oleh responden yang terdiri daripada pengusaha taska yang bertahan sehingga hari ini memberi implikasi pada kompetensi kepimpinan. Dapatan kajian ini dicadangkan digunakan sebagai asas bagi pembentukan pemimpin pengusaha taska yang berdaya tahan. Oleh kerana kajian ini hanya dilakukan di Selangor, dan melihat situasi sekarang yang pandemik ini masih lagi belum menunjukan akan reda penyelidik mengesyorkan agar ulangan kajian ini di masa depan, atau kajian serupa, harus dilakukan di negeri-negeri lain di Malaysia.

Kata Kunci
daya tahan, kepimpinan, pandemik Covid-19, pengusaha taska, kelestarian

ESL Teachers' Global Competence and Globally Competent Teaching

Nur Syafiqah Yaccob, Melor Md Yunus, Harwati Hashim Noor
SMK Dato' Abdul Rahman Yaccob,
Faculty of Education, Universiti Kebangsaan Malaysia

Abstract

Global competence development is significant in achieving the United Nations' 17 Sustainable Development Goals (SDGs), including striving towards quality education (SDG 4). While SDG is the key and global attempt to universalise the vision of sustainable human development, education plays an integral role in achieving the vision. Besides, globalisation requires education systems worldwide to focus on developing educators, teachers, and students' global competence to compete in today's interconnected world. This paper outlines the domains of English as a second language (ESL) teachers' global competence and globally competent teaching by referring to global competence models and past literature in the area of ESL teaching and learning. This paper addresses the importance of ESL teachers' global competence enhancing students' global and contextual awareness through English lessons. The review includes the challenges faced by ESL teachers in the integration of global competence in English lessons. Finally, this paper offers recommendations for ESL teachers to explore and integrate global competence into their pedagogical practices to contribute to quality education.

Keywords
ESL, global competence, globally competent teaching, teaching and learning of english, quality education

The Leader in Me: Positioning Children Leadership Constructs from Islamic Perspective

Sabariah Faridah Jamaluddin
Little Caliph Preschool

Zaida Mustafa
Universiti Tun Abdul Razak (UNIRAZAK)

Abstract

Building leadership qualities in children is very important and there are many leadership styles and theories but are mainly for adults or organizations. Preschool children nowadays have many abilities and skills especially during this time, there are many things that we have to teach i.e. the 5R. Focusing only on these abilities, usually, we forget one of the most important teachings in socio-emotional development, which is leadership. Leadership skills are clearly mentioned as essential students' learning outcomes in the Malaysian Education Blueprint (2013), namely: Entrepreneurship, Resilience, Emotional intelligence and Strong communication skills. A literature search on leadership topics pointed to the enormous findings on organizational leadership qualities. Attributes of children's leadership are scarce in the review of leadership literature and children's leadership qualities from Islamic perspectives, almost non-existence. The purpose of the study is to document children leadership attributes or qualities both from the literature review and Islamic-based resources and documents. The attributes serve as a foundation to build a conceptual framework of Children Leadership suitable to enhance leadership competencies of preschool children. Imam Ghazali's, Ibnu Khaldun philosophies, Prophet Muhammad (SAW) saying and verses for Quran were analyzed and categorized to provide the most essential characteristics of children leadership. Document analyses of these resources provide 3 main children leadership constructs, namely Skills, Values and Character.

Keywords
children leadership, early childcare, leadership skills

The Challenge of Disengagement During Lockdown: Successfully Engaging Students in Auditing Courses

Supawadee Moss
UNE Business School,
University of New England

Abstract

Auditing all over the world is documented as being the most difficult and boring of any courses in an accounting degree. Being a heavily theoretical based subject with hardly any calculations, students often struggle to see the relevance. Conventional techniques do not usually work when students cannot engage with what they interpret as dry and dull content. Since 2020, the COVID-19 pandemic introduced additional challenges with a shift to fully online teaching. This paper employs a number of evidence-based engagement strategies including incorporation of real-life examples with visual aids, engaging online questions and interactive live-streamed lectures in both undergraduate and postgraduate auditing courses in an Australian university. It was found that a 47-fold increase in undergraduate and 32-fold increase in postgraduate student engagement has been sustained since introduction. Further to these statistics, qualitative student feedback has been overwhelmingly positive with numerous students noting their initial reluctance to engage with the unit as their preconceived notion was that auditing would be dry and dull, only to find it very engaging and as a result are now pursuing auditing as a career path. This teaching method demonstrates that it is possible to engage students in traditionally difficult units through lockdowns and into the new normal.

Keywords
auditing, COVID-19, online engagement, theoretical based subjects

UNIRAZAK
UNIVERSITI TUN ABDUL RAZAK

e ISBN 978-967-25556-0-5
978967255560 5