



## ACADEMIA INFO

Scopus ID :

57193277364

Google Scholar :

Hafizul Fahri Hanafi

## AREAS OF EXPERTISE

Teknologi Maklumat

Augmented Reality, Virtual Reality, AI in education, Multimedia in Education

## SUPERVISION

PhD

Completed : 1

Ongoing : 8

Master

Completed : 8

Ongoing : 1

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# Profesor Madya Dr. Hafizul Fahri bin Hanafi

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📍 Faculty Of Computing And Meta-Technology  
Universiti Pendidikan Sultan Idris (UPSI)

## BIOGRAPHY

A lecturer from the Faculty Of Computing And Meta-Technology , Universiti Pendidikan Sultan Idris, Tanjung Malim, Perak, Malaysia. Specializes in Augmented Reality, Virtual Reality, AI in education, Multimedia in Education.

## ACADEMIC QUALIFICATION

- 2017 **Ijazah Doktor Falsafah (Pendidikan Multimedia)**  
Universiti Pendidikan Sultan Idris, Tanjung Malim
- 2010 **Postgraduate Certificate in Teaching & Learning in Higher Education (EDUCATION)**  
University of East London
- 2003 **IJAZAH SARJANA SAINS (TEKNOLOGI MAKLUMAT (SAINS KOMPUTER))**  
UNIVERSITI TEKNOLOGI MALAYSIA
- 2002 **IJAZAH SARJANA MUDA (SAINS KOMPUTER)**  
Universiti Teknologi Malaysia

## RESEARCH

- 1 The Characterization Of Design For Mmobile Augmented Reality (AR)  
Reading Kit For Preschool Reading Literacy  
**2022** Leader Universiti Pendidikan Sultan Idris
- 2 The Effectiveness Of Teaching Aids For Mathematic Subject Via Mobile  
Augmented Reality (MAR) For Stand Six Students  
**2018** Leader Universiti Pendidikan Sultan Idris
- 3 Formulating A Learner's Growth Model To Reduce Programming Anxiety  
Among Primary School Students  
**2025** Leader
- 4 Digital Transformation Through Education By Integrating Cloud Data  
Fundamentals In Curricula  
**2024** Member Math Proofread Sdn. Bhd.
- 5 Formulation Of A New Continuous Combinatorial Double Auction  
Algorithm For Customized Items Negotiations And Renegotiations  
**2023** Member

## RESEARCH

- 6 Pembinaan Modul I-THINK Untuk Meningkatkan Kemahiran Berfikir Aras Tinggi Murid Tingkatan Satu Dalam Matematik  
2018 Member Kementerian Pengajian Tinggi
- 7 Modul Psikologi – Numerologi : Aplikasi Numerologi, Psikologi Dan Kaunseling Sebagai Strategi Pembangunan Karakter Pelajar Sekolah, IPTA Dan Kakitangan Awam Di Malaysia  
2016 Member Kementerian Pengajian Tinggi
- 8 EXAMINING MODALITY PRINCIPLES OF INSTRUCTIONAL SCREENCAST FOR LEARNING 3D MODELING SOFTWARE  
2016 Member Kementerian Pengajian Tinggi
- 9 Facilitating In-Service Teachers' Development Of Blended E-Learning Platforms (BeLPS): Its Development, Validation And Implications  
2015 Member Kementerian Pengajian Tinggi
- 10 Designing A New Way Of Teaching Methods For A Diverse Pre-School Children Using Interactive Board  
2012 Member Kementerian Pengajian Tinggi
- 11 Pembangunan Aplikasi Mudah Alih Asas Kod Tangan Siri 1 Bagi Murid Kurang Upaya Pendengaran Di Sekolah Rendah  
2025 Member Universiti Pendidikan Sultan Idris
- 12 Identifikasi Tapak Prasejarah Untuk Pembinaan Web Portal E-Lenggong Heritage Site Di Tapak Warisan Dunia Lenggong "pasca COVID-19"  
2023 Member Universiti Pendidikan Sultan Idris
- 13 Development Of A Social Media Analytics System To Increase Prospective Students' Interests In STEM And TVET Education  
2022 Member Universiti Pendidikan Sultan Idris
- 14 Kesan Simulasi Litar Elektronik Berkomputer Terhadap Prestasi, Motivasi Dan KBAT Pelajar Dalam Matapelajaran RBT Di Sekolah Menengah  
2019 Member Universiti Pendidikan Sultan Idris
- 15 Institutionalizing Digital Entrepreneurship As A Fast Track Approach To Venture Into Online Business  
2015 Member Universiti Pendidikan Sultan Idris
- 16 The Development Of An Android-based Visualization Trainer  
2014 Member Universiti Pendidikan Sultan Idris
- 17 Cadangan Pelan Pembangunan Pendidikan STREAM Pendidikan Awal Kanak-kanak  
2026 Member Ukm Pakarunding Sdn Bhd

- 18 Formulating Learning Model Using Explainable AI (XAI) Agents To Empower Ageing Society In Entrepreneurship And Workforce Re-entry  
2028 Member
- 
- 19 Pembangunan Model Pendidikan Seksual Digital Kanak- Kanak Berisiko Di Malaysia  
2026 Member
- 
- 20 A New Integrative STEM Learning Model Based On Mechatronics Problem Solving Concept For Secondary School  
2026 Member
- 
- 21 Integrated Model Of Visual Arts And Ethnography Approach Based On Formalism Theory And Visual Analysis Of Orang Ulu Cultural Heritage.  
2025 Member
- 
- 22 Pembangunan Pangkalan Data Korpus Interaktif Mudah Suai Sebagai Bahan Intruksi Pembelajaran Bahasa Arab Dalam Talian  
2025 Member
- 
- 23 Pembangunan Model Pendidikan Keusahawanan Digital Kanak-kanak Tadika Golongan B40  
2024 Member Kementerian Pengajian Tinggi
- 
- 24 PEMBANGUNAN MODEL KOMUNITI DIGITAL PENDIDIKAN INKLUSIF BAGI MURID DISLEKSIA (eKOMDISLEKSIF)  
2024 Member Kementerian Pengajian Tinggi
- 
- 26 PEMBINAAN MODUL STANDARD KEMENJADIAN WARGA BERMASALAH TINGKAH LAKU MORAL BERASASKAN PROGRAM PEMULIHAN AL RIQAB (MoRiq)  
2023 Member Kementerian Pengajian Tinggi
- 
- 27 REKABENTUK PEMBANGUNAN KANDUNGAN REALITI MAYA (VR) DALAM KURIKULUM STANDARD SEKOLAH MENENGAH (KSSM) DI MALAYSIA  
2023 Member Kementerian Pengajian Tinggi
- 
- 28 Differentiated Instructional Practices With Augmented Reality Technology To Assist Autism Spectrum Disorders (ASD) Students Master In Basic Living.  
2022 Member Kementerian Pengajian Tinggi
- 
- 29 Pembangunan Kerangka Aktiviti Didik Hibur Teknologi Kecerdasan Buatan (AI) Terhadap Perkembangan Kreativiti (D'HAI-Kreatif) Kanak-kanak Tadika  
2027 Member
- 
- 30 Rekabentuk Teknologi Komprehensif 'Virtual Reality' Bagi Merangsang Kemahiran Komunikasi Sosial Individu Dengan Gangguan Spektrum Autisme  
2027 Member
- 
- 31 FruitMature AI: AI-based Mobile App For Evaluation Selected Tropical Fruit Maturity Indexing  
2027 Member

- 32 Vehicle Recognition System Using RFID Technology For Management System.  
2026 Member
- 33 From Teaching To Training: Developing A Framework To Upskill Lecturers Into Corporate Trainers  
2026 Member
- 34 The Climate Change Digital Puppetry Storytelling Agent Appearance To Promote Positive Emotional Impact Among Kids  
2024 Member Universiti Pendidikan Sultan Idris
- 35 Pembangunan Kerangka Kurikulum Berasaskan Pendekatan Tematik Dan Integratif Bagi Mata Pelajaran Pendidikan Islam Tahap 2 Sekolah Rendah  
2024 Member Universiti Pendidikan Sultan Idris
- 36 The Climate Change Digital Puppetry Storytelling Agent Appearance To Promote Positive Emotional Impact Among Kids  
2024 Member Universiti Pendidikan Sultan Idris
- 37 PENGINTEGRASIAN KURIKULUM PENDEKATAN NEOTERIK KE ATAS MURID TAHAP SATU SEKOLAH RENDAH BAGI KLUSTER NILAI DAN KEROHANIAN  
2025 Member Universiti Pendidikan Sultan Idris
- 38 Identifikasi Tapak Prasejarah Untuk Pembinaan Web Portal E-Lenggong Heritage Site Di Tapak Warisan Dunia Lenggong "pasca COVID-19"  
2023 Member Universiti Pendidikan Sultan Idris
- 39 Pembangunan Model Pencegahan Kelemasan Di Negeri Perak  
2023 Member Universiti Pendidikan Sultan Idris
- 40 Pembangunan Modul Interaktif Multimedia Dalam Pengajaran Dan Pembelajaran Kesusasteraan Melayu  
2022 Member Universiti Pendidikan Sultan Idris

## PUBLICATIONS

- 1 **The Impact of Integrating Artificial Intelligence in Teaching on Programming Pedagogy: A Scoping Review**  
International Journal of Modern Education  
2025 Malaysian Citation Index Co-Author  
Correspondence Author
- 2 **THE EVOLUTION AND IMPACT OF ARTIFICIAL INTELLIGENCE: A COMPREHENSIVE ANALYSIS OF FUTURE APPLICATIONS AND CHALLENGES**  
Journal of Information System and Technology Management  
2025 Malaysian Citation Index Co-Author  
Correspondence Author

**BEYOND THE ALGORITHM ON HOW AI WILL REDEFINE HUMAN PROGRESS: FROM DIRECTION TO EMPOWERMENT**

3 Journal of Information System and Technology Management

2025 Malaysian Citation Index Co-Author

Correspondence Author

**Towards 16 Years of MOOCs in Malaysia: From Technology Trigger to Plateau of Productivity**

4 Journal of ICT in Education

2025 Malaysian Citation Index Co-Author

Correspondence Author

**The Impact Of Video-Based Blended Learning On Learning Achievement Of Students With Special Needs**

5 Nanotechnology Perceptions

2024 Excellent Research Australia (ERA) Co-Author

Correspondence Author

**IoT-Enabled GPS Tracking System for Monitoring the Safety Concerns of School Students**

6 JOURNAL OF ADVANCED RESEARCH IN COMPUTING AND APPLICATIONS

2024 Malaysian Citation Index First Author

**A Review of Learner's Model for Programming in Teaching and Learning**

7 Journal of Advanced Research in Applied Sciences and Engineering Technology

2023 SCOPUS Correspondence Author

**A Review of Learner's Model for Programming in Teaching and Learning**

8 Journal of Advanced Research in Applied Sciences and Engineering Technology

2023 SCOPUS First Author

**The Acceptance of a Mobile Travel Application to Improve Community-Based Tourism in Malaysia: A Focus on End Users' Behavioral Intention**

9 Peuradeun

2023 Web of Science Correspondence Author

**Utilizing Animal Characters of a Mobile Augmented Reality (AR) Reading Kit to Improve Preschoolers' Reading Skills, Motivation, and Self-Learning: An Initial Study**

10 International Journal of Interactive Mobile Technologies

2021 SCOPUS First Author

**Mobile Augmented Reality Hand Wash (MARHw): Mobile Application to Guide Community to Ameliorate Hand washing Effectiveness to Oppose Covid-19 Disease**

11 International Journal of Integrated Engineering

2020 SCOPUS Correspondence Author

**The Effectiveness of Teaching Aid for a Mathematics Subject Via Mobile Augmented Reality (MAR) for Standard Six Students**

12 International Journal of Innovative Technology and Exploring Engineering

2019 SCOPUS First Author

- 13 **A Prototype of Augmented Reality Animation (ARA) E-Courseware: An Assistive Technology To Assist Autism Spectrum Disorders (Asd) Students Master in Basic Living Skills**  
International Journal of Innovative Technology and Exploring Engineering  
2019 SCOPUS Correspondence Author
- 
- 14 **The effectiveness of teaching aid for a mathematics subject via Mobile Augmented Reality (MAR) for standard six students**  
International Journal of Engineering and Technology (UAE)  
2018 SCOPUS First Author
- 
- 15 **Technology Acceptance of a Novel Mobile Learning Application among University Undergraduates.**  
International Business Education Journal  
2018 Malaysian Citation Index First Author
- 
- 16 **DESIGN AND DEVELOPMENT OF NEURAL NETWORK SIMULATOR**  
Malaysian Journal of Information & Communication Technology  
2016 SCOPUS First Author
- 
- 17 **Mobile Learning Environment System (MLES): The Case of Android-based Learning Application on Undergraduates' Learning**  
International Journal of Advanced Computer Science and Applications  
2012 SCOPUS First Author
- 
- 18 **Artificial intelligence applications and pedagogical challenges in music education**  
Discover Education  
2026 SCOPUS Co-Author
- 
- 19 **Evolution of Functional Membranes: A Bibliometric Approach on the Modification from Polymeric to Nanocomposite Systems**  
EDUCATUM Journal of Science Mathematics and Technology  
2025 Malaysian Citation Index Co-Author
- 
- 20 **Transforming Aircraft Purchase Management With AI: Opportunities, Challenges, & Future Directions – A Mini Review**  
Journal of Islamic, Social, Economics and Development (JISED)  
2025 Malaysian Citation Index Co-Author
- 
- 21 **TRENDS AND DEVELOPMENTS IN INTELLIGENT AGENT FOR SOCIALLY SHARED REGULATED LEARNING (SSRL):A BIBLIOMETRIC REVIEW**  
International Journal of Education, Psychology and Counseling (IJEPC)  
2025 Malaysian Citation Index Co-Author
- 
- 22 **A bibliometric analysis of financial management from Web of Science (WoS) database**  
Frontiers in Blockchain  
2025 Web of Science Co-Author
- 
- 23 **Reimagining Urban Narratives: The Aesthetic Evolution and Cultural Transformation of Contemporary Mural Art in Malaysia**  
Design and Art Studies  
2025 Google Scholar Co-Author
-

- 24 **PENGESAN PENCEMARAN UDARA DAN PENCEMARAN AIR MENGGUNAKAN DRON DAN IOT UNTUK KOMUNITI KAWASAN PERINDUSTRIAN**  
International Journal of Creative Industries (IJCREI)  
2025 Google Scholar Co-Author
- 
- 25 **Negotiating Cultural Identity through Community Murals: A Comparative Theoretical Analysis of Public Art Practices in China and Malaysia**  
International Journal of Research and Innovation in Social Science (IJRISS)  
2025 Excellent Research Australia (ERA) Co-Author
- 
- 26 **Teachers' Strategies to Deal on Students' Learning Preferences in Blended Learning**  
NeuroQuantology  
2022 Google Scholar Co-Author
- 
- 27 **Android-Based Digital Learning Media: Improving Interactivity in Analysis and Design of Systems Course**  
Data & Metadata  
2025 SCOPUS Co-Author
- 
- 28 **SIGNIFIER OF BRAND NAME RELATED TO BRAND IMAGE FOR MUSLIM CONSUMER**  
Online Journal of Islamic Management and Finance (OJIMF)  
2025 Academic Journal Co-Author
- 
- 29 **HUBUNG KAIT PERSEDIAAN GURU MATEMATIK DAN KEMAHIRAN BERFIKIR ARAS TINGGI (KBAT) DALAM PENTAKSIRAN BILIK DARJAH ( PBD) DI SEKOLAH MENENGAH DAERAH GOMBAK**  
Jurnal Penyelidikan Pendidikan Guru  
2022 Non Index/Other Index Co-Author
- 
- 30 **Determination of Pre-Coding Elements and Activities for a Pre-Coding Program Model for Kindergarten Children using the Fuzzy Delphi Method (FDM)**  
International Journal of Advanced Computer Science and Applications  
2025 SCOPUS Co-Author
- 
- 31 **Understanding the Impact of Animation Technology in Virtual Reality: A Systematic Literature Review**  
International Journal Of Advance Research In Computational Thinking and Data Science  
2024 Google Scholar Co-Author
- 
- 32 **EduGreen CompostAR: Augmented Reality (AR) Application as a Medium to Learn Composter Machine's Operation**  
Nanotechnology Perceptions  
2024 Excellent Research Australia (ERA) Co-Author
- 
- 33 **Virtual Reality in Algorithm Programming Course: Practicality and Implications for College Students**  
International Journal on Informatics Visualization  
2024 SCOPUS Co-Author
- 
- 34 **The Impact of Virtual Reality on Programming Algorithm Courses on Student Learning Outcomes**  
International Journal of Learning, Teaching and Educational Research  
2024 SCOPUS Co-Author
-

- 35 **Augmented Reality (AR): An Assistive Technology for Special Education Needs**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2024 SCOPUS Co-Author
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- 36 **A Narrative Review Of University Entrepreneurship education And Proposed Experimental Study Of The My Counselorpreneur Module**  
International Journal of Academic Research in Progressive Education and Development  
2024 Excellent Research Australia (ERA) Co-Author
- 
- 37 **A Review of Barriers and Benefits for Implementing Computational Thinking Initiatives in Secondary Schools**  
Journal of ICT in Education  
2024 Malaysian Citation Index Co-Author
- 
- 38 **Layered Approach in Energy-Efficient Information Technology (IT) Classroom Design**  
Journal of ICT in Education  
2024 Malaysian Citation Index Co-Author
- 
- 39 **Chatbots Adoption for Gamification of Programming Language Learning: A Comprehensive Literature Review**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2024 SCOPUS Co-Author
- 
- 40 **Expert Systems And Double Auction: Enhancing Worm Disease Detection In Children**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2023 SCOPUS Co-Author
- 
- 41 **Multi Criteria Decision Making in SMEs Venture Capital Allocation: Analytic Hierarchy Process and Double Auction Approach**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2025 SCOPUS Co-Author
- 
- 42 **Augmented Reality (AR): An Assistive Educational Technology for Children with Special Education Need in Mastering in Basic Living**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2023 SCOPUS Co-Author
- 
- 43 **The Digitalization Technology for Sustainable Rural Entrepreneurship: A Structured Review**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2024 SCOPUS Co-Author
- 
- 44 **A Systematic Review of Traditional Plant Motif for National Identity based on Digital Technology Landscape Platform**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2025 Malaysian Citation Index Co-Author
- 
- 45 **TinjauanKeperluan Garis Panduan Pembangunan Video Animasi Bagi Mata Pelajaran Sejarah Di Malaysia**  
Journal of ICT in Education  
2023 Malaysian Citation Index Co-Author
-

- 46 **Isotherm Behaviour of P3OT, P3HT and PCBM Langmuir Layer on Ionic Subphase**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2023 SCOPUS Co-Author
- 
- 47 **Isotherm Behaviour of P3OT, P3HT and PCBM Langmuir Layer on Ionic Subphase**  
Journal of Advanced Research in Applied Sciences and Engineering Technology  
2023 SCOPUS Co-Author
- 
- 48 **Pap Smear Images Classification Using Machine Learning: A Literature Matrix**  
Diagnostics  
2022 Web of Science Co-Author
- 
- 49 **PENGAMALAN NILAI TAKWA SEBAGAI ELEMEN PEMBINAAN JATI DIRI DALAM KALANGAN MAHASISWA MUSLIM DI IPT**  
Firdaus Journal  
2021 Google Scholar Co-Author
- 
- 50 **A Systematic Review: Entrepreneurship Education for Kindergarten Children in Malaysia**  
International Journal of Academic Research in Progressive Education and Development  
2022 Excellent Research Australia (ERA) Co-Author
- 
- 51 **The Acceptance of M-Heutagogical Practice in Higher Education: A Systematic Literature Review**  
International Journal of Information and Education Technology  
2021 SCOPUS Co-Author
- 
- 52 **The Reliability and Usability Perception of Organic Chemistry Synthetic Pathways Board Game**  
EDUCATUM Journal of Science Mathematics and Technology  
2021 Malaysian Citation Index Co-Author
- 
- 53 **The Development of Cascade Low Noise Amplifier with Double Feedback Technique Architecture for Wireless Communication**  
Journal of Advanced Research in Fluid Mechanics and Thermal Sciences  
2021 SCOPUS Co-Author
- 
- 54 **KESAN PENGAMBILAN MAKANAN DALAM MEMPENGARUHI TINGKAH LAKU MORAL DARI PERSPEKTIF AGAMA KRISTIAN [THE EFFECT OF FOOD CONSUMPTION IN INFLUENCING MORAL BEHAVIOR FROM THE PERSPECTIVE OF CHRISTIANITY]**  
QALAM International Journal of Islamic and Humanities Research  
2021 Google Scholar Co-Author
- 
- 55 **HUBUNGAN MINAT DAN SIKAP TERHADAP KURSUS ARABIC FOR MUAMALAT (AFM) DI POLITEKNIK SULTAN IDRIS SHAH, SELANGOR. [RELATIONSHIP BETWEEN INTERESTS AND ATTITUDES TOWARDS ARABIC FOR MUAMALAT (AFM) COURSES AT POLITEKNIK SULTAN IDRIS SHAH, SELANGOR]**  
QALAM International Journal of Islamic and Humanities Research  
2021 Google Scholar Co-Author
- 
- 56 **Improving Student's Higher-Order Thinking Skills in Solving Pythagoras Theorem Problems Through Digital Learning Module**  
Psychology and Education  
2020 SCOPUS Co-Author

- 57 **The Knowledge of Basic Survival Skills Among Preschool Children**  
Afaluna: Journal of Islamic Early Childhood Education  
2020 Google Scholar Co-Author
- 
- 58 **Using Digital Learning Module to Improve Students Higher-Order Thinking Skills in Learning Algebraic Expressions**  
RELIGACION- REVISTA DE CIENCIAS SOCIALES Y HUMANISDADES  
2019 Google Scholar Co-Author
- 
- 59 **Low Noise Amplifier for LTE Application Using High-Performance Low Noise Pseudomorphic High Electron Mobility Transistor (PHEMT)**  
International Journal of Advanced Science and Technology  
2019 Excellent Research Australia (ERA) Co-Author
- 
- 60 **Using Digital Learning Module to Improve Student's Higher-Order Thinking Skills in Learning Algebraic Expressions**  
International Journal of Advanced and Applied Sciences  
2018 Web of Science Co-Author
- 
- 61 **Analysis of Pie and T Matching Network For Low Noise Amplifier (LNA)**  
International Journal of Industrial Electronics and Electrical Engineering (IJIEEE)  
2018 Google Scholar Co-Author
- 
- 62 **Effects of Residential Outdoor Education (ROE) Camp on Group Cohesion Among First Year Teacher Trainees**  
International Journal of Academic Research in Business and Social Sciences  
2020 Excellent Research Australia (ERA) Co-Author
- 
- 63 **Longhouse Combustibility: A Study on Architectural Design and Construction Materials**  
Journal of Advanced Research in Fluid Mechanics and Thermal Sciences  
2021 SCOPUS Co-Author
- 
- 64 **The Global System for Mobile Communications (GSM) for Wireless Home Security with Arduino and Web CAM**  
European Journal of Electrical Engineering & Computer Science (EJECE)  
2021 Google Scholar Co-Author
- 
- 65 **Enhancing Moral Awareness for Racial Unity through Islamic and Asian Civilisation Course (TITAS)**  
Peuradeun  
2020 Google Scholar Co-Author
- 
- 66 **Blended Learning in Islamic Studies**  
International Journal of Academic Research in Progressive Education and Development  
2020 Excellent Research Australia (ERA) Co-Author
- 
- 67 **An Overview of Media Glam Online Magazine Publishing and Trend in Malaysia**  
International Journal of Innovative Technology and Exploring Engineering  
2019 SCOPUS Co-Author
-



**Simulation of Electronic Circuit for Design and Technology Subject in Secondary Schools**

68 International Journal of Academic Research in Business and Social Sciences

2019 Excellent Research Australia (ERA) Co-Author

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**An Overview of Online Magazine Publishing Trend in Malaysia**

69 Pertanika Journal of Social Science and Humanities

2018 SCOPUS Co-Author

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## SUPERVISION

- 1 Kesan Pendekatan Pembelajaran Teradun Melalui Kit Pengurusan Kehidupan Terhadap Pencapaian Murid Berkeperluan Khas  
2026 PHD National Supervisor Waiting for Viva
- 2 Mobile Learning: Kesan Pembelajaran Inkuiri Penemuan Terhadap Pencapaian Pembelajaran, Minat Dan Sikap Dalam Pembelajaran Sains Di Kalangan Murid Sekolah Menengah  
2026 PHD National Supervisor Waiting for Viva
- 3 PENERIMAAN DAN PENGGUNAAN AI CHATBOT DALAM KALANGAN PENSYARAH DI UNIVERSITI PENDIDIKAN SULTAN IDRIS  
2026 PHD National Supervisor Presentation
- 4 Kesan Pembelajaran Berasaskan Flipped Classroom (Fc) Terhadap Pencapaian Dan Motivasi Pelajar Bagi Matapelajaran Sains Komputer  
2026 PHD National Supervisor Presentation
- 5 PEMBANGUNAN MODEL KOMPETENSI AIKOMP BAGI PENSYARAH PENGATURCARAAN KOLEJ MATRIKULASI KPM  
2026 PHD National Supervisor Presentation
- 6 Modul Pembangunan Gamifikasi AI Dalam Meningkatkan Motivasi Dan Pencapaian Akademik Pelajar Tahun Tiga Sekolah Rendah  
2026 PHD National Supervisor In Progress
- 7 Keberkesanan Kaedah Pendaraban Kotak Ajaib Terhadap Minat Dan Tahap Penguasaan Fakta Asas Darab Murid Tahun 2  
2026 PHD National Supervisor In Progress
- 8 Engaging Learning Experience Via MAR In Medical Education.  
2026 PHD National Supervisor In Progress
- 9 A Teaching And Learning Framework For Transdisciplinary Design Studies In The Virtual Reality Learning Environment  
2023 PHD National Co-Supervisor Completed
- 10 Kesan Penggunaan Mudah Alih Belajar ABC Terhadap Pencapaian Dan Motivasi Murid Prasekolah  
2019 Master National Supervisor Completed
- 11 Pembangunan Dan Penilaian Sistem Koperasi Online Sekolah (e-Kops) Sekolah Menengah Kebangsaan Setia Alam  
2015 Master National Supervisor Completed
- 12 Keberkesanan Pembelajaran Menggunakan Online Dictionary Ke Atas Pencapaian Tatabahasa Dalam Mata Pelajaran Bahasa Inggeris Tahun 5 Di SK Baru Parit Buntar, Perak  
2013 Master National Supervisor Completed

- 13 Tahap Keselamatan Sistem Komunikasi Tanpa Wayar Bagi Telefon Pintar  
2013 Master National Supervisor Completed
- 
- 14 MOBILE APPLICATIONS LEARNING: STUDENT'S MOTIVATION AND UNDERSTANDING IN LEARNING ENGLISH LANGUAGE  
2022 Master National Supervisor Completed
- 
- 15 Keberkesanan Penggunaan Peta Minda Berbantuan Komputer Ke Atas Pencapaian Murid Dalam Pengajaran Dan Pembelajaran Mata Pelajaran Pendidikan Sivik Dan Kewarganegaraan Tingkatan Satu Di Sekolah Menengah Kebangsaan Ambrose Ayer Tawar, Perak  
2013 Master National Supervisor Completed
- 
- 16 PENCAPAIAN MATA PELAJARAN BAHASA MELAYU BAGI MURID PEMULIHAN TAHAP 1 MENGGUNAKAN VLE FROG  
2017 Master National Supervisor Completed
- 
- 17 Garis Panduan Pembangunan Video Animasi Bagi Mata Pelajaran Sejarah Tingkatan Lima  
2023 Master National Supervisor Completed
- 
- 18 Formulating A Correlation Model To Determine The Impact Of Computational Thinking, Programming Anxiety With Gender On Students' Motivation And Learning Performance  
2026 Master National Supervisor Waiting for Viva
-

## CONSULTATION

- 1 PERUNDING PENYEDIAAN LAPORAN & VISUAL PROJEK MENGGUNAKAN CANVA UNTUK KONTRAKTOR PAHANG  
2026 PERSATUAN KONTRAKTOR PAHANG Completed
- 2 PERUNDING APLIKASI KECERDASAN BUATAN (AI) UNTUK PERSATUAN KONTRAKTOR BUMIPUTERA 2025  
2025 PERSATUAN KONTRAKTOR BUMIPUTERA KELAS 'F' MALAYSIA Completed
- 3 PERUNDING BENGKEL KERJA APLIKASI KECERDASAN BUATAN (AI) BAGI PEGAWAI JABATAN PENDIDIKAN NEGERI DAN PEJABAT PENDIDIKAN DAERAH PERINGKAT NEGERI PERAK TAHUN 2025  
2025 Jabatan Pendidikan Negeri Perak (JPN) Completed
- 4 KURSUS CHATGPT DAN AI  
2024 PERBADANAN PERPUSTAKAAN AWAM PAHANG Completed
- 5 Kursus Python Certification and Application in Data Analytic di Pusat Pembangunan Kemahiran Pahang  
2022 Pahang Skill Development Centre, Kampus Pahang Skills Completed
- 6 PERUNDING APLIKASI KECERDASAN BUATAN (AI) BAGI PEGAWAI ATASAN JABATAN PENDIDIKAN NEGERI PERAK  
2025 YAYASAN AMIR In Progress
- 7 PERUNDING PROGRAM ONE STOP CENTRE (OSC) SEJAHTERA SOSIAL NEGERI PERAK 2025  
2025 Pejabat Daerah & Tanah Muallim Completed
- 8 ADVISORY EDITORIAL BOARD  
2025 DINAMIKA ILMU Completed
- 9 Reviewer of  
2023 WILEY Completed
- 10 Reviewer of 3rd International Conference on Computing, Information Science and Engineering (ICISE) 2023  
2023 UMP Completed
- 11 Reviewer of Psychology in the Schools  
2023 WILEY Completed
- 12 SESSION CHAIR of 3rd International Recent Trends in Technology, Engineering and Computing Conference 2022 (Hybrid Conference)  
2022 UTHM Completed
- 13 Reviewer 3rd International Recent Trends in Technology, Engineering and Computing Conference 2022 – (HYBRID CONFERENCE) (IRTTEC 2022)  
2022 International Completed

- 14 Editor-in-Chief of Journal of Applied Arts (E-ISSN:2710-7019)  
 2022 Scientific Academia Network Completed
- 
- 15 Reviewer of International Visualization, Informatics & Technology Conference (IVIT 2022)  
 2022 UniKL Completed
- 
- 16 Editorial Board of International Journal of Creative Industries (IJCREI) eISSN: 2637-0913.  
 2022 Global Academic Excellence (M) Sdn Bhd Completed
- 
- 17 APPOINTMENT AS ARTICLE REVIEWER AND TASK COMPLETION  
 2022 UPSI Completed
- 
- 18 Committee Member of The 7th Edition of the International Conference on Optimization and Applications (ICOA2021)  
 2021 IEEE Completed
- 
- 19 Reviewer of The ICOBET & ICCEA 2021  
 2021 UniMAP Completed
- 
- 20 LANTIKAN SEBAGAI PEWASIT MAKALAH KEBERKESANAN KAEDAH PEMBELAJARAN DALAM TALIAN MENGGUNAKAN GOOGLE CLASSROOM BAGI KURSUS PENGAJIAN ISLAM, KAJIAN DI POLITEKNIK SULTAN IDRIS SHAH.  
 2021 UKM Completed
- 
- 21 Committee Member of The 7th Edition of the International Conference on Optimization and Applications (ICOA2021)  
 2021 IEEE Completed
- 
- 22 APPOINTMENT AS A REVIEWER FOR GLOBAL RESEARCH CONFERENCE (GRaCe) 2020  
 2020 UITM Completed
- 
- 23 THE ORGANIZING COMMITTEE OF THE 6TH INTERNATIONAL CONFERENCE ON OPTIMIZATION AND APPLICATIONS, BENI MELLAL-MOROCCO  
 2020 IEEE Completed
- 
- 24 Editorial Board for INTERNATIONAL JOURNAL OF CREATIVE INDUSTRIES (IJCREI)  
 2020 Global Academic Excellence (M) Sdn Bhd Completed
- 
- 25 Reviewer 2018 IEEE Conference on Wireless Sensors(ICWiSe 2018)  
 2018 IEEE Completed
- 
- 26 IJMA JOURNAL REVIEWER  
 2018 UPSI Completed
- 
- 27 PENILAI KERTAS KERJA 3RD INTERNATIONAL CONFERENCE ON ICT IN EDUCATION  
 2018 UPSI Completed
- 
- 28 TECHNICAL CONSULTANT FOR INTERNATIONAL RESEARCH AND INNOVATION SUMMIT (IRIS) 2017  
 2017 UTHM Completed

29 TECHNICAL COMMITTEE MEMBER OF THE 6TH INTERNATIONAL CONFERENCE ON COMPUTING AND INFORMATICS 2017

2017 UUM Completed

30 CONFERENCE CHAIRPERSON

2016 UTHM Completed

31 IEEE Conference on e-Learning, e-Management and e-Services (IC3e 2016)

2016 IEEE Completed

32 IEEE Conference on Wireless Sensors (ICWiSE) 2016

2016 IEEE Completed

33 CONFERENCE CHAIRPERSON

2016 UTHM Completed

34 PENILAI KERTAS PROJEK MOD C SEM 1 SESI 2021/2022 (M211)

2022 UPSI Completed

35 Pemeriksa Kertas Disertasi Ijazah Sarjana

2021 UPSI Completed

36 Penilai manuskrip buku Disruptive Innovations Towards ICT Convergence UTHM

2021 UTHM Completed

37 Pemeriksa Dalaman Master Mod B

2021 FSK Completed

38 PANEL PENILAI FAKULTI BAGI GERAN PENGKOMERSIALAN UPSI PRIHATIN COVID-19

2020 UPSI Completed

39 PENYELARAS JAWATANKUASA SEMAKAN KURIKULUM PROGRAM AKADEMIK PASCA SISWAZAH

2020 FSKIK Completed

40 PEMBACA KEDUA BAGI MOD KERJA KURSUS

2019 FSKIK Completed

41 PENILAI PROPOSAL PERINGKAT PHD

2019 FSKIK Completed

42 PENILAI BAGI PELAJAR MASTER MOD B

2019 FSKIK Completed

43 PENILAI PROPOSAL PENYELIDIKAN DOKTOR FALSAFAH

2018 UPSI Completed

44 PENILAI PROPOSAL PENYELIDIKAN SARJANA DOKTOR FALSAFAH

2018 UPSI Completed

45 PENILAI PROPOSAL PENYELIDIKAN SARJANA/DOKTOR FALSAFAH


2018 UPSI Completed

46	PENILAI INTERNATIONAL JOURNAL OF MULTIMEDIA AND ITS APPLICATION	2017	UPSI	Completed
47	PENILAI PROPOSAL PENYELIDIKAN IJAZAH SARJANA	2017	UPSI	Completed
48	6th International Conference on Computing and Informatics 2017 (ICOCI2017)	2017	UUM	In Progress
49	Reviewer of Journal of ICT in Education	2024	UPSI	Completed
50	Reviewer of Journal of Intellectual Disability Research	2024	WILEY	Completed
51	Reviewer for Journal of Open Innovation: Technology, Market, and Complexity cover Journal of Open Innovation: Technology, Market, and Complexity	2024	Elsavier	Completed
52	REVIEWER OF HEYLION JOURNAL	2024	HEYLION	Completed
53	Reviewer of Southeast Asia Early Childhood Journal [ISSN : 2289 –3156 / e-ISSN : 2550–1763]	2023	UPSI	Completed
54	Appointment as External Examiner (Viva-Voce)	2025	UCSI	Completed
55	Appointment as External Examiner (Viva-Voce) UCSI	2025	UCSI	Completed
56	UUM APPOINTMENT AS AN EXTERNAL EXAMINER FOR LI YINGRUI (905240)	2024	UUM	Completed
57	APPOINTMENT AS BOOK CHAPTERS REVIEWER FOR THE BOOK ADVANCED GESTURE-CONTROLLED INTERFACES AND IMMERSIVE APPLICATIONS	2025	UNIVERSITI TEKNOLOGI MALAYSIA	Completed
58	APPOINTMENT AS EXTERNAL EXAMINER	2025	SEGi University & Colleges	Completed
59	PELANTIKAN SEBAGAI PENEL PENILAIAN GERAN PENYELIDIKAN STRATEGIK (KOMPREHENSIF-FKMT)	2024	UPSI	Completed
60	A REVIEWER FOR THE e-JOURNAL ARTIFICIAL INTELLIGENCE AND DIGITAL SYSTEM INNOVATIONS (e-JAIDSI)	2026	UNIVERSITI ISLAM SELANGOR	In Progress



## AWARD / RECOGNITION

- 1 Let's Do This, Community Marketplace: MarketEasy link event:  
<https://ftkk.umt.edu.my/2nd-international-3-minutes-research-and-innovation-competition-2025/>  
2025 International 2nd International 3 Minutes Research and Innovation Competition 2025 (3MRIC) Gold
- 2 Let's Do This, Community Marketplace: MarketEasy  
<https://ftkk.umt.edu.my/2nd-international-3-minutes-research-and-innovation-competition-2025/>  
2025 International 2nd International 3 Minutes Research and Innovation Competition 2025 (3MRIC) Gold
- 3 INTERAKTIF KOSWER KOD TANGAN BAHASA MELAYU (I-KoTBM)  
2022 International ITEX 2022 Gold
- 4 Little Explorer : Learning Solar System Using Augmented Reality  
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Gold
- 5 Conference X Management System  
2023 International International Education Innovation Expo (EDU@Innovate) 2023 Silver
- 6 Interactive Creative Learning (ICL)  
2023 International International Education Innovation Expo (EDU@Innovate) 2023 Silver
- 7 Exploring Microorganisms Through Augmented Reality: An Innovative Educational Tool for Form 5 Students  
2025 International International Education Innovation Competition (Edu@Innovate) 2025 Bronze
- 8 FLEXIO: FELXIBLE, INCLUSIVE AND OPEN EDUCATIONAL RESOURCES VIRTUAL  
TECHNOPRENEURSHIP INCUBATOR  
2022 International PECIPTA 2022 Bronze
- 9 Force and Motion Mobile Application  
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Bronze
- 10 Smart Think bersama Sistem Nombor Perduaan  
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Bronze
- 11 SimulateANNet: A Neural Networ Simulator  
2015 International Persidangan Dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa 2015 (PECIPTA 2015) Bronze
- 12 Editor's Choice Article (Vol. 35, No. 1)  
2024 International Journal of Advanced Research in Applied Sciences and Engineering Technology (ISSN: 2462 - 1943)
- 13 BEST VIRTUAL VIDEO PRESENTATION AWARD  
2021 International Universiti Malaysia Perlis

- 
- 14 **BEST PAPER AWARD**  
2017 International UNIMAP
- 
- 15 **AN IMMERSIVE LEARNING EXPERIENCE FOR DIFFERENTLY-ABLED STUDENTS USING INNOVATIVE VIRTUAL MOUSE AND VOICE ASSISTANT TECHNOLOGY**  
2024 National 6th NATIONAL SYMPOSIUM ON HUMAN-COMPUTER INTERACTION (FUSION 2024) Gold
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- 16 **FIODEL: FLEXIBLE, INCLUSIVE AND OPEN LEARNING MODEL FOR ENTREPRENEURSHIP COURSE**  
2022 National TLIF 2022 Gold
- SimulateANNet: A Neural Networ Simulator
- 17 2015 National National University Carnival on E-Learning (NUCEL 2015) (Innovation, Invention and Design in E-Lea Gold
- 18 **Pembinaan Mpdul i-THINK untuk Meningkatkan Kemahiran Berfikir Aras Tinggi Murid Tingkatan Satu dalam Matematik**  
2018 University Pertandingan Inovasi Fakulti Sains dan Matematik Silver
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- 19 **Tokoh Perkhidmatan Cemerlang**  
2012 University UPSI