



ACADEMIA INFO

Scopus ID :
50861425800

AREAS OF EXPERTISE

Teknologi Maklumat

SUPERVISION

PhD

Ongoing : 8

Master

Completed : 7

Ongoing : 2

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my EXPERT@UPSI



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📍 Faculty Of Art, Computing And Creative Industries
Universiti Pendidikan Sultan Idris (UPSI)

BIOGRAPHY

A lecturer from the Faculty Of Art, Computing And Creative Industries ,
Universiti Pendidikan Sultan Idris, Tanjung Malim, Perak, Malaysia.

ACADEMIC QUALIFICATION

- 2017 **IJAZAH DOKTOR FALSAFAH (PhD) (INTERNET DAN PENGKOMPUTERAN WEB)**
UNIVERSITI PENDIDIKAN SULTAN IDRIS
- 2000 **Sarjana Sains (Teknologi Maklumat) (Sains)**
Universiti Sains Malaysia (USM)
- 1991 **Sarjana Muda Sains Serta Pendidikan (Matematik) (Sains Komputer (IT))**
Universiti Teknologi Malaysia (UTM)

RESEARCH

- 1 **Pembangunan Dan Penilaian Perisian Kursus Mudah Alih Perumpamaan (PKMAP) Bagi Menerapkan Budaya Pembelajaran Dalam Talian.**
2018 **Leader** Universiti Pendidikan Sultan Idris
- 2 **Pembangunan Sistem E-Jurnal**
2003 **Leader** Universiti Pendidikan Sultan Idris
- 3 **Pembangunan Garis Panduan Alat Pentaksiran Berasaskan Video Untuk Kursus Pengaturcaraan**
2022 **Leader** Universiti Pendidikan Sultan Idris
- 4 **Model Pengajaran Dan Pembelajaran Bagi Meningkatkan Kemahiran Pemikiran Komputasi Dalam Kalangan Pelajar Novis**
2021 **Member** Kementerian Pengajian Tinggi

RESEARCH

- 6 Pengurusan Data Kritikal Di Sekolah Dalam Mendepani Situasi Bencana Banjir
2018 Member Kementerian Pengajian Tinggi
- 7 The Development Of Ictl Module Based On Suitable Teaching Methodology For Orang Asli (Ictl-
Temfoa)
2011 Member Kementerian Pengajian Tinggi
- 8 Fleto (Fun Learning Through Origami)
2009 Member Kementerian Pengajian Tinggi
- 9 Pembangunan Dan Penilaian Perisian Kursus Pembelajaran Pengaturcaraan Bagi Meningkatkan
Keupayaan Computational Thinking Dalam Kalangan Pelajar Novice
2019 Member Universiti Pendidikan Sultan Idris
- 10 PERISIAN PENDIDIKAN PEMBELAJARAN BERASASKAN PERMAINAN ATAS TALIAN BAGI
MENINGKATKAN KEMAHIRAN PENGATURCARAAN DALAM KALANGAN PELAJAR KURSUS
PENGATURCARAAN
2019 Member Universiti Pendidikan Sultan Idris
- 11 Personalized Online Teaching And Learning Design Framework For Primary School Children With
Reading Difficulties
2018 Member Universiti Pendidikan Sultan Idris
- 12 PEMBANGUNAN PERISIAN KURSUS MULTIMEDIA DALAM MENGIRA WAKTU TEMPATAN UNTUK
PELAJAR GEOGRAFI
2013 Member Universiti Pendidikan Sultan Idris
- 13 Sistem Penyaringan Pelajar Disleksia Berasaskan Web (E-Isd)
2011 Member Universiti Pendidikan Sultan Idris
- 14 Model Portal Pendidikan
2004 Member Universiti Pendidikan Sultan Idris
- 15 Development Of Educational Video For Online Learning Based On Inquiry Learning: Science At
Home
2021 Member Cepr Malaysia Sdn. Bhd
- 17 Exploring Multi-Component Ethical Leadership To Develop A Massive Open Online Course For
Enhancing University Students Moral Competence
2020 Member Kementerian Pengajian Tinggi
- 18 Pembangunan Dan Penilaian Modul CSI-STEM Berintegrasikan Augmented Reality (AR) Untuk
Kursus Kimia Organik Kolej Matrikulasi
2022 Member Universiti Pendidikan Sultan Idris

PUBLICATIONS

THE DEVELOPMENT OF A DIGITAL STORYBOOK AND AN AUGMENTED REALITY (AR)-BASED PROVERBS APPLICATION

1 International Journal of Multimedia and its Applications

2018 Excellent Research Australia (ERA) First Author

VIRTUAL ENVIRONMENT FOR DIAGNOSING DYSLEXIC CHILDREN VISUAL SPATIAL POTENTIAL

2 International Journal of Multimedia and its Applications

2017 Excellent Research Australia (ERA) First Author

The Effectiveness of Blended Learning Approaches towards Achievement in Programming Skills of Secondary Students: A Case Study

3 Test Engineering and Management

2020 SCOPUS Correspondence Author

Discovering the Role of Problem-Solving and Discussion Techniques in the Teaching Programming Environment to Improve Students' Computational Thinking Skills

4 International Journal of Information and Education Technology

2021 SCOPUS Co-Author

E-portfolio Implementation in Malaysian School: A Need Analysis

5 International Journal of Academic Research in Progressive Education and Development

2021 Excellent Research Australia (ERA) Co-Author

Step by Step implementation of DSRM for Personalization of Reading

6 International Journal of Humanities, Management, and Social Science (IJ-HuMaSS)

2021 Google Scholar Co-Author

Improving Novice Students Computational Thinking Skills by Problem-Solving and Metacognitive Techniques

7 International Journal of Learning, Teaching and Educational Research

2021 SCOPUS Co-Author

The Use of Delphi Technique in Validating a Teaching and Learning Model for Enhancing Students' Computational Thinking Skills

8 Universal Journal of Educational Research

2020 SCOPUS Co-Author

A Web-Based Learning Programming Portal: Do Instructors Need It to Enhance Novice Students' Computational Thinking Skill?


9 International Journal of Innovative Technology and Exploring Engineering

2019 SCOPUS Co-Author

Integrating The Arcs Motivational Elements Into An On-Line Game-Based Learning Application: Does The Application Enhance Students Motivation In Learning Programming?

10 International Journal of Innovative Technology and Exploring Engineering

2019 SCOPUS Co-Author

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- 11 **Integrating The Arcs Motivational Elements Into An On-Line Game-Based Learning Application: Does The Application Enhance Students Motivation In Learning Programming?**
International Journal of Innovative Technology and Exploring Engineering
2019 SCOPUS Co-Author
-
- 12 **Effects of Training Method and Gender on Learning 2D/3D Geometry**
Journal of Computers in Mathematics and Science Teaching
2010 Excellent Research Australia (ERA) Co-Author
-
- 13 **The Current Practice of Data Management of Schools and District Education Offices: Is There a Need for a New Approach?**
International Journal of Academic Research in Business and Social Sciences
2017 Excellent Research Australia (ERA) Co-Author
-
- 14 **The Formulation of a Critical Data Management Framework for Situations Facing Disasters through the Delphi Technique**
International Journal of Academic Research in Business and Social Sciences
2018 Excellent Research Australia (ERA) Co-Author
-

SUPERVISION

- 1 The Influence Of Self-Regulation On Deep Learning Based On Multimedia Picture Linguistics
2022 PHD International Supervisor In Progress
- 2 Pembangunan Dan Penilaian Keberkesanan Kit Pengaturcaraan Berintegrasikan IoT Dan STEM
2022 PHD National Supervisor Presentation
- 3 Pembinaan Pengetahuan Pedagogi Kandungan (PPK) Guru Pelatih ICT Dalam Program Latihan Mengajar
2022 PHD National Supervisor Presentation
- 4 REKA BENTUK DAN PEMBANGUNAN MODEL IMPLEMENTASI E-PORTFOLIO SEBAGAI ALAT PENTAKSIRAN DIGITAL
2022 PHD National Supervisor Presentation
- 5 Impak Metodologi Triz Terhadap Penyelesaian Masalah Dalam Kalangan Pelajar Komputeran
2022 PHD National Co-Supervisor Waiting for Viva
- 6 The Effectiveness Of STEM Integration In Increasing Energy Literacy Of Primary School Students.
2024 PHD Co-Supervisor In Progress
- 7 Adoption Of E-commerce On Purchasing Agriculture Products In Malaysia : Application Of Fuzzy Delphi Method
2025 PHD Co-Supervisor In Progress
- 8 Pengimplementasian Metodologi Business Process Reengineering (BPR) Ke Atas Kaedah Pembelajaran Dalam Kalangan Pelajar Teknologi Maklumat Di Institusi Pengajian Tinggi Ketika Pandemik Covid-19.
2024 PHD Co-Supervisor In Progress
- 9 KEBERKESANAN PEMBELAJARAN FLIPPED CLASSROOM DALAM MENINGKATKAN PENCAPAIAN AKADEMIK PELAJAR UNTUK MATA PELAJARAN REKA BENTUK GRAFIK DI NUSA TENGGARA BARAT
2021 Master International Supervisor Completed
- 10 Obstacles Of Applying E-Training In The Training And Professional Development Centers In The Sultanate Of Oman From The Point Of View Of The Trainers
2022 Master International Supervisor Presentation
- 11 Aplikasi Whatssapp Sebagai Medium Pembelajaran Dalam Kalangan Pelajar UPSI
2020 Master National Supervisor Completed
- 12 Keberkesanan Pendekatan Pembelajaran Teradun Terhadap Pencapaian Dan Motivasi Dalam Mata Pelajaran Asas Sains Komputer
2020 Master National Supervisor Completed

- 13 Tahap Kesiapan Bakal Guru Jurusan Teknologi Maklumat Terhadap Penggunaan Pengaturcaraan Scratch Dan Teknologi Robot Dalam Pembelajaran Dan Pemudahcaraan (PdPc)

2020 Master National Supervisor Completed

- 14 HOW DO LECTURERS IN SEGI COLLEGE KUALA LUMPUR PERCEIVE USING THE BLACKBOARD LEARN IN CLASSROOM

2017 Master National Supervisor Completed

- 15 Kesan Adaptasi Model Polya Dalam Pembelajaran Algoritma Pengaturcaraan Terhadap Pencapaian Pelajar Di Kolej Matrikulasi

2020 Master National Supervisor Completed

- 16 Keberkesanan Bengkel Dalam Meningkatkan Kemahiran Teknologi Maklumat Dan Motivasi Guru Terhadap Proses Penilaian Dalam Talian

2021 Master National Co-Supervisor Completed

- 17 Perisian Pendidikan Pembelajaran Pengaturcaraan Dengan Teknik Metakognitif Bagi Meningkatkan Kemahiran Pemikiran Komputasi Dalam Kalangan Pelajar Novis

2022 Master National Co-Supervisor Presentation

CONSULTATION

- 1 Pembangunan Modul Panduan Asas Sains Komputer (ASK) Guru KSSR, & KSSM 2018 (Modul Panduan Guru Asas Sains Komputer tingkatan 3)
2018 Malaysia Digital Economy Corporation Sdn Bhd Completed
- 2 Review Manuscript of JMIR Journal
2022 JMIR Publications Completed
- 3 Review Manuscript Journal
2022 JMIR Publications Completed
- 4 Article Review _Telehealth and remote interventions for children with cerebral palsy
2022 JMIR Publications Completed
- 5 Review An Article
2021 JMIR Publications Completed
- 6 Review a manuscript for journal
2021 JMIR publications Completed
- 7 Review a manuscript for a journal
2021 JMIR Publications Completed
- 8 Review an article for JMIR journa
2021 JMIR Publications Completed
- 9 Keynote speaker for book review
2020 Narotama University Completed
- 10 Review An Article
2020 JMIR Publications Completed
- 11 Review an article
2020 JMIR Publications Completed
- 12 Review an article for JMIR journal
2020 JMIR Publication Completed
- 13 Keynote speaker for book review
2020 Narotama University Completed
- 14 Reviewer for journal article
2018 JMIR Publications Completed
- 15 Review an article of a journa;
2017 JMIR Publication Completed
- 16 Editorial Board of Journal of social sciences and technical education
2023 Politeknik Kucing Malaysia Completed

17	Pemeriksa Luar Pelajar Doktor Falsafah	2021	Universiti Sultan Azlan Shah	Completed
18	Review Article	2022	UPSI	Completed
19	Review Manuscript Jurnal JICTIE	2022	Jabatan Komputeran, FSKIK, UPSI	Completed
20	Review JICTIE article	2021	FSKIK, UPSI	Completed
21	Semakan Program	2021	UPSI	Completed
22	Education Based Research Grant Proposal Evaluator– Phase 1	2019	RMIC, UPSI	Completed
23	Examiner of Mode B Master Student	2019	IPS, UPSI	Completed
24	Final Research Report Examiner – University Research Grant	2019	RMIC, UPSI	Completed
25	Editor for IJMA (Special Issue)	2018	Computing Department, UPSI	Completed
26	Internal Reader For Mod C Research Report – Pn Norzuhaida student	2017	FSKIK	Completed
27	Internal Reader For Mod C Research Report	2017	FSKIK	Completed
28	Editor in International Journal of Creative Industries (IJCREI)	2021	Global Academic Excellence	In Progress
29	AJK Perancangan Program Akademik Universiti	2023	UPSI	In Progress
30	Menilai kertas kerja journal JICTIE	2022	UPSI	In Progress
31	AJK Semakan Program Pasca	2020	FSKIK, UPSI	In Progress

AWARD / RECOGNITION

- 1 AR-CSI Module For Matriculation College Physical Chemistry Course
2022 International ITEX Gold
- 2 Interactive Courseware of Malay Language Idioms
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Gold
- 3 Aplikasi Pembelajaran Pengaturcaraan Struktur Kawalan Dwi Pilihan "Rahsia Piramid Kuno"
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Gold
- 4 Fire Extinguisher Robot (FRE)
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Gold
- 5 E-Psychologist
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Gold
- 6 EDUNIA : EDUCATIONAL GAMING HUB WEB APLICATION
2021 International INTERNATIONAL UNIVERSITY CARNIVAL ON E-LEARNING Silver
- 7 Aplikasi Mudah Alih Peribahasa Melayu
2019 International INTERNATIONAL EXHIBITION OF RESEARCH,IDEA & INNOVATION ON CREATIVE AND HUMANIZING 2019 Bronze
- 8 A Digital Storybook And An Augmented Reality (Ar)-based Proverbs Applicationk Kampungku kampung Permai
2019 National Malaysia Technology Expo 2019 Gold
- 9 INOVASI PROGRAM : SARJANA MUDA KEJURUTERAAN PERISIAN (PERISIAN PENDIDIKAN)
2019 University CARNIVAL FOR INNOVATION IN TEACHING AND LEARNING 2019 (CiTeL2019) Silver
- 10 Anugerah penyelidikan Bronze
2009 University UPSI Bronze
- 11 Sijil Penghargaan Perkhidmatan Cemerlang
2022 University Universiti Pendidikan Sultan Idris