



## ACADEMIA INFO

Scopus ID :  
57210157889

WoS ID :  
3340560muhamad-hariz-bin-  
muhamad-adnan

Google Scholar :  
Muhamad Hariz  
Muhamad Adnan

## AREAS OF EXPERTISE

## SUPERVISION

PhD  
Ongoing : 3  
Master  
Ongoing : 1

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my EXPERT@UPSI



# Dr. Muhamad Hariz Bin Muhamad Adnan

Coordinator, National Child Development Research Centre

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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.  
Specializes in Digital Transformation, Artificial Intelligence & Data  
Science.

## ACADEMIC QUALIFICATION

- 2019 **Doctor of Philosophy (PhD) in Information Technology (Information Technology)**  
Universiti Teknologi Petronas
- 2013 **Master of Science (Computer Science)**  
Universiti Sains Malaysia
- 2008 **Ijazah Sarjana Muda (Computer Science)**  
Universiti Sains Malaysia

## RESEARCH

- 1 Formulation Of A New Continuous Combinatorial Double Auction Algorithm For Customized Items Negotiations And Renegotiations  
2023 | Leader | Kementerian Pengajian Tinggi
- 2 Development Of A Social Media Analytics System To Increase Prospective Students` Interests In STEM And TVET Education  
2022 | Leader | Universiti Pendidikan Sultan Idris
- 3 Pembinaan Model Komuniti Maya Berpagar Melalui Pendekatan Kawalan Sosial Dalam Kebergantungan Media  
2023 | Member | Kementerian Pengajian Tinggi
- 4 Modul Pembelajaran Kendiri (MPK) Melalui Aplikasi Mudah Alih Untuk Matapelajaran Pemiakan Poltri Bagi Program Agroindustri Ternakan Poltri Di Kolej Vokasional.  
2023 | Member | Universiti Pendidikan Sultan Idris
- 5 Pembinaan Garis Panduan Falsafah Sejahtera Melalui Kesukarelawanan Untuk Meningkatkan Perpaduan Dalam Pendidikan Negara  
2023 | Member | Universiti Pendidikan Sultan Idris

## RESEARCH

- 6 Kajian Pola Penggunaan Media Sosial (facebook) Dikalangan Penggiat Industri Filem Dan Television Melayu Di Malaysia Sepanjang Perintah Kawalan Pergerakan (PKP) Dimusim Wabak Covid 19.  
2022 Member Universiti Pendidikan Sultan Idris
- 7 The Characterization Of Design For Mobile Augmented Reality (AR) Reading Kit For Preschool Reading Literacy  
2022 Member Universiti Pendidikan Sultan Idris
- 8 Keusahawanan Dan Literasi Digital Pemangkin Kebolehpasaran Graduan UPSI  
2021 Member Universiti Pendidikan Sultan Idris

## PUBLICATIONS

- 1 978-3-030-77746-3, **Pervasive Healthcare**  
Springer  
2021 Research/Academic Book Editor
- 2 **Development of Attendance Monitoring System with Artificial Intelligence Optimization in Cloud**  
International Journal of Artificial Intelligence (IJAI)  
2021 Google Scholar Correspondence Author
- 3 **Kerangka Teknologi Bantu untuk Diagnosis Hubungan Kecerdasan Visual Spasial bagi Pelajar dengan Masalah Pembelajaran**  
Journal of ICT in Education  
2021 Non Index Correspondence Author
- 4 **Kerangka Teknologi Bantu untuk Diagnosis Hubungan Kecerdasan Visual Spasial bagi Pelajar dengan Masalah Pembelajaran**  
Journal of ICT in Education  
2021 Non Index Correspondence Author
- 5 **A Social Media Analytics Framework to Increase Prospective Students' Interests in STEM and TVET Education.**  
Asian Journal of University Learning  
2020 SCOPUS Correspondence Author
- 6 **A Survey of Malware Risk Detection Techniques in Cloud**  
Psychology and Education  
2020 SCOPUS Correspondence Author
- 7 **An Overview of Current Multi-Attribute Techniques in Double Auction Frameworks**  
Psychology and Education  
2020 SCOPUS Correspondence Author

- 8 **A Framework of Heterogeneous Cloud Service and Multi Attributes Negotiation using Double Auction**  
International Journal of Advanced Trends in Computer Science and Engineering  
2020 SCOPUS Correspondence Author
- 
- 9 **A Principled Design of Intelligent Agent for the SLA negotiation process in cloud computing**  
A Principled Design of Intelligent Agent for the SLA negotiation process in cloud computing  
2022 2022 2nd International Conference on Computing and Information Technology (ICCI) Co Author
- 
- 10 **Multi-Criteria Prediction Framework for the Prioritization of Council Candidates based on Integrated AHP-Consensus and TOPSIS Methods**  
International Journal of Advanced Computer Science and Applications  
2022 SCOPUS Co-Author
- 
- 11 **Utilizing Animal Characters of a Mobile Augmented Reality (AR) Reading Kit to Improve Preschoolers' Reading Skills, Motivation, and Self-Learning: An Initial Study**  
International Journal of Interactive Mobile Technologies  
2021 SCOPUS Co-Author
- 
- 12 **Utilizing Animal Characters of a Mobile Augmented Reality (AR) Reading Kit to Improve Preschoolers' Reading Skills, Motivation, and Self-Learning: An Initial Study**  
International Journal of Interactive Mobile Technologies  
2021 SCOPUS Co-Author
- 
- 13 **KOSWER SEJARAH: TOKOH PEMIMPIN TEMPATAN MENENTANG BRITISH**  
KOSWER SEJARAH: TOKOH PEMIMPIN TEMPATAN MENENTANG BRITISH  
2021 The International University Carnival On E-learning (IUCEL 2021) Co Author
- 
- 14 **Mobile Augmented Reality Hand Wash (MARHw): Mobile Application to Guide Community to Ameliorate Hand washing Effectiveness to Oppose Covid-19 Disease**  
International Journal of Integrated Engineering  
2020 SCOPUS Co-Author
-

## SUPERVISION

- 1 A FEDERATED LEARNING MECHANISM BASED ON DATA FILTERING FOR INTERNET OF VEHICLES  
2022 PHD International Co-Supervisor Presentation
- 2 FORECASTING VIRTUAL CURRENCY PRICE BASED ON MACHINE LEARNING MODELS  
2022 PHD International Co-Supervisor In Progress
- 3 MODEL TEKNOLOGI BANTU UNTUK DIAGNOSIS VISUAL-SPATIAL RELATIONSHIP BAGI PELAJAR DENGAN MASALAH PEMBELAJARAN  
2022 PHD National Co-Supervisor In Progress
- 4 Formulation Of A New Continuous Combinatorial Double Auction Algorithm For Customized Items Negotiations  
2022 Master National Supervisor Presentation

## CONSULTATION

- 1 Bengkel E–Usahawan 2020 (Fasa 3)  
2021 Malaysia Digital Economy Corporation (MDEC) In Progress
- 2 Advisory Workshop under CGC Developmental Programme : SEO & Build Free Website  
2021 Credit Guarantee Corporation Malaysia Berhad In Progress
- 3 Kursus Inbound dan Outbound Marketing (ePemasaran) Siri 1  
2021 Jabatan Pembangunan Sumber Manusia (JPSM), Sabah In Progress
- 4 Klinik Kerjaya : Kursus Pemasaran Digital Siri 3  
2021 Pusat Aspirasi Anak Perak (PASAK) In Progress
- 5 Klinik Kerjaya : Kursus Pemasaran Digital Siri 5  
2021 Pusat Aspirasi Anak Perak (PASAK) In Progress
- 6 Program CSR MyFemaleVoice : Usahawan Digital  
2021 Citrine One Malaysia In Progress
- 7 Klinik Kerjaya : Kursus OBS Studio  
2021 Pusat Aspirasi Anak Perak (PASAK) In Progress
- 8 Program Keusahawanan dan Kemahiran Digital bagi JPSM Sabah  
2021 Institut Latihan Wijaya In Progress
- 9 Advisory Workshop Program Pembangunan CGC  
2021 Credit Guarantee Corporation Malaysia Berhad In Progress
- 10 Perundingan dan Jurulatih Program e–Usahawan 2021  
2021 Malaysia Digital Economy Corporation (MDEC) In Progress
- 11 Norma Baharu–E Usahawan Ceburi Bidang Perniagaan Digital  
2021 Persatuan Mahasiswa Pengurusan Kekayaan Islam (IWMSA), Unisza In Progress
- 12 Pembekelan Pembinaan Laman Web E–Comerce  
2020 Kolej Vokasional Datuk Seri Abu Zahar Isnin In Progress
- 13 Projek Perundingan Makmal Usahawan Seni Budaya (MaUS) Negeri Pahang tahun 2020  
2020 Jabatan Kebudayaan dan Kesenian Negara (JKKN), Negeri Pahang In Progress
- 14 Projek Perundingan Program E–Usahawan (Usahawan Digital) PMIUSMKKJ  
2020 Persatuan Mahasiswa Islam USM Kampus Kejuruteraan In Progress
- 15 Perundingan E–Usahawan  
2020 Malaysia Digital Economy Corporation (MDEC) In Progress
- 16 Perundingan bagi Kerjaya Dietitian Cakna Kesihatan Masyarakat Melalui Aplikasi WeDIET  
2020 Pusat Pengajian Pemakanan dan Dietetik, Universiti Sultan Zainal Abidin In Progress

17	EUsahawanan 2020 (Fasa 1)	2020	Malaysia Digital Economy Corporation Sdn Bhd	In Progress
18	Kerjasama Pelaksanaan Aktiviti Kesejahteraan Kanak-Kanak (NCDRC)	2024	Kementerian Kesihatan Malaysia (KKM)	Completed
19	Perundingan Hub Pembelajaran Keusahawanan Digital UPSI- Kampung Selamat	2022	Majlis Bandaraya Petaling Jaya	Completed
20	Reviewer Manuscript for ICSECS 2021	2021	Universiti Malaysia Pahang	Completed
21	Journal Reviewer	2021	Journal of ICT in Education	Completed
22	Review of a journal article	2020	Artificial Intelligence Review (AIRE)	Completed
23	Review of paper that will be published in SCOPUS indexed journal after acceptance	2020	Global Research Conference (GRaCe 2020). UITM Terengganu	Completed
24	Geran Penyelidikan Finishing School Internal Examiner	2020	Universiti Pendidikan Sultan Idris	Completed
25	Review of paper for Journal of ICT in Education	2020	UPSI	Completed
26	BENGGEL PENSTRUKTURAN KURIKULUM BAGI PROGRAM BAHARU SARJANA MUDA SAINS KOMPUTER DAN KEJURUTERAAN KOMPUTER DENGAN KEPUJIAN	2020	FSKIK	Completed
27	Editorial Team of Journal of Applied Arts	2030	Scientific Academia Network (Scientiaca)	In Progress
28	Technical Reviewer	2024	Global Academic Excellence (M) Sdn Bhd (GAE)	In Progress
29	Editorial Board for International Journal of Creative Industries (IJCREI)	2021	Global Academic Excellence (M) Sdn Bhd (GAE)	In Progress
30	Review manuscript for Journal of Cloud Computing –CLCO–D–21–00016	2021	Journal of Cloud Computing	In Progress
31	Journal Guest Editor for Pervasive Healthcare: A Compendium of Critical Factors for success	2020	EAI Publishing	In Progress
32	Appointment As Adjunct Lecturer	2021	UCSI	In Progress

## AWARD / RECOGNITION

1 MOTHER & CHILD RECORD (MYMACER)

2020 International NATIONAL HACKATON FOR DIGITALISING GOVERNMENT SERVICES Gold

2 Sijil Penghargaan Perkhidmatan Cemerlang

2022 University Universiti Pendidikan Sultan Idris