

MIRA KARTIWI



- KULLIYAH OF INFORMATION AND COMMUNICATION TECHNOLOGY
- IIUM Gombak Campus
- Email address: mira@iium.edu.my

ACADEMIC QUALIFICATION

- Doctor of Philosophy in Economics and Information Systems
- Master of Information Systems
- Bachelor of Commerce (Business Information Systems)

TEACHING RESPONSIBILITIES

ADVANCED DATABASE	2012/2013 2013/2014
BUSINESS DATA ANALYTICS	2018/2019 2019/2020 2020/2021
DATA MANAGEMENT	2009/2010 2010/2011 2011/2012 2013/2014 2014/2015 2015/2016
DATA MINING	2011/2012 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 2020/2021
DATA QUALITY	2017/2018 2018/2019
DATABASE PROGRAMMING	2007/2008 2008/2009 2016/2017 2017/2018 2018/2019
DATABASE SYSTEM II	2008/2009 2009/2010 2010/2011 2011/2012 2013/2014
DATABASE SYSTEMS I	2008/2009 2010/2011 2012/2013 2014/2015
DATATHON AND BOOTCAMP	2018/2019 2020/2021
FINAL YEAR PROJECT 1	2017/2018 2019/2020
FINAL YEAR PROJECT I	2010/2011 2011/2012 2012/2013 2013/2014 2015/2016 2016/2017 2017/2018 2020/2021
FINAL YEAR PROJECT II	2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2019/2020 2020/2021
INDUSTRIAL ATTACHMENT	2010/2011 2012/2013 2013/2014 2016/2017 2017/2018
INTRODUCTION TO DATABASE	2007/2008
PRACTICAL TRAINING	2009/2010 2010/2011

SYSTEM DEVELOPMENT METHODOLOGIES

2013/2014 2015/2016

VISUALIZATION FOR DECISION MAKING

2018/2019 2019/2020 2020/2021

RESEARCH PROJECTS

In Progress

- 2020 - Present** Investigating Students' Perspectives in Sustaining Their Education Quality Through E-Learning: A Study of In-house LMS Users
- 2019 - Present** Prototype Development of an Integrated Parental Perinatal Depression and Anxiety Monitoring Systems
- 2018 - Present** An information quality requirements model for online health information
- 2018 - Present** Speech Emotion Recognition and Depression Prediction based on Speech Analysis using Deep Neural Networks
- 2018 - Present** Research on Future Financial Intelligence and Enforcement Systems and Knowledge Competencies
- 2017 - Present** Analyses of Infodemiology among Parents with Chronic Disease Children in Malaysia for improved Public Health Informatics
- 2017 - Present** I-ILM Integrated Internationalisation and Industry Linkages Management System
- 2016 - Present** National E-Cigarette Survey (NECS) 2016: Prevalence and Pattern of E-Cigarette and Vape Use among Malaysian Adults
- 2016 - Present** A Risk Analysis Framework of Security, Privacy and Trust for Big Data in Cloud Computing
- 2015 - Present** Improving Prediction of Sukuk Rating through Ensemble Classifier Techniques of Data Mining
- 2015 - Present** Impact of parental perinatal depressive and anxiety symptoms on infant development and health: A cohort study in East- and West-Coast of Malaysia
- 2015 - Present** An Efficient Algorithm on Lossless Audio Compression using Optimized Linear Predictor and Entropy Coding for Multichannel Quranic Audio Recitation

Completed

- 2018 - 2018** Research on Future Financial Intelligence and Enforcement Systems and Knowledge Competencies
- 2017 - 2020** Analyses of Infodemiology among Parents with Chronic Disease Children in Malaysia for improved Public Health Informatics
- 2017 - 2019** I-ILM Integrated Internationalisation and Industry Linkages Management System

- 2016 - 2017** An Effective Hybrid Human Gait Recognition System Combining Independent Component Analysis and Total Silhouette Computation
- 2015 - 2019** Impact of parental perinatal depressive and anxiety symptoms on infant development and health: A cohort study in East- and West-Coast of Malaysia
- 2015 - 2019** Improving Prediction of Sukuk Rating through Ensemble Classifier Techniques of Data Mining
- 2015 - 2018** An Efficient Algorithm on Lossless Audio Compression using Optimized Linear Predictor and Entropy Coding for Multichannel Quranic Audio Recitation
- 2014 - 2017** Modelling Health Information Seeking Behaviour Framework for Palliative Patients and Carers
- 2014 - 2016** Webdinar
- 2014 - 2016** Design and Development of Portable Classroom Attendance System Based on Fingerprint Biometric
- 2013 - 2019** Developing A Holistic E-Business Capability Framework for Malaysian SMES in the Retail Sector
- 2013 - 2019** Developing A Holistic E-Business Capability Framework for Malaysian SMES in the Retail Sector
- 2011 - 2014** The Investigation of Location-based Query Implementation on Aid Distribution System During Disaster Recovery
- 2011 - 2015** An Exploratory Study of Attitudes to ICT-related Environmental Issues and Initiatives among Students and Staff in Malaysian and Australian Higher Education Institutions (HEIs)
- 2011 - 2013** Bimodal Person Identification System Based on Speech and Signature Recognitions
- 2011 - 2013** Design and Develop A Prototype of Environment Friendly Hybrid
- 2011 - 2011** Development of Final Year Project Portal for Engineering Degree Program
- 2011 - 2015** Development Of SQL And PLSQL Programming Workbook For Database Courses Using Islamic Scenario
- 2010 - 2011** Development of OneGerai.com Prototype: An e-commerce application for Muslim Entrepreneurs in Malaysia and Indonesia

PUBLICATIONS

Article

- 2020** [Characteristics of electronic cigarette and vape users in Malaysia: Lessons from decision tree analysis.](#) Journal of Pharmacy and Bioallied Science , 12 (2) pp.872-873

- 2020** [How does Malaysian use electronic cigarette? A descriptive analysis of the patterns.](#) Journal of Pharmacy and Bioallied Science , 12 (6) pp.852-934
- 2020** [Perceived safety and effectiveness of electronic cigarettes among Malaysian adults and public support for regulation.](#) Journal of Pharmacy and Bioallied Science , 12 (Supplement 2) pp.921-921
- 2020** [Development of control system for quadrotor unmanned aerial vehicle using LoRa wireless and GPS tracking.](#) Telkomnika (Telecommunication Computing Electronics and Control) , 18 (5) pp.2674-2681
- 2020** [Ftir of halal and non-halal adulterations prediction analytics using induction decision tree \(id3\) algorithm.](#) Journal of Information Systems and Digital Technologies , 2 (2) pp.42-57
- 2020** [Exploration of agent-based simulation: the multiplier effect of zakah on economic growth.](#) Journal of Islamic Monetary Economics and Finance (JIMF) , 6 (3) pp.641-666
- 2020** [Factors affecting continued use of online health information seeking behaviour among parents in developing countries.](#) International Journal of Evaluation and Research in Education (IJERE)
- 2020** [A text mining analytics on online forum medical queries among parents with diabetic children.](#) Journal of Pharmacy and Bioallied Sciences , 2 (Supp2) pp.933-933
- 2020** [Perceived safety and effectiveness of electronic cigarettes among Malaysian adults and public support for regulations.](#) Journal of Pharmacy and Bioallied Science , 12 (Supplement 2) pp.718-727
- 2020** [Development of video-based emotion recognition using deep learning with Google colab.](#) Telkomnika , 18 (5) pp.2463-2471
- 2019** [Prevalence and characteristics of e-cigarette users among Malaysian current and ex-smokers.](#) Malaysian Family Physicians , 14 (2) pp.10-17
- 2019** [Performance evaluation of portable air quality measurement system using raspberry Pi for remote monitoring.](#) Indonesian Journal of Electrical Engineering and Computer Science , 17 (2) pp.564-574
- 2019** [Cyberbullying in e-learning platform: an exploratory study through text mining analytics.](#) Journal of Information Systems and Digital Technologies , 1 (2) pp.40-47
- 2019** [A critical insight into multi-languages speech emotion databases.](#) Bulletin of Electrical Engineering and Informatics , 8 (4) pp.1312-1323
- 2019** [On the use of voice activity detection in speech emotion recognition.](#) Bulletin of Electrical Engineering and Informatics , 8 (4) pp.1324-1332
- 2019** [Design of power factor meter using internet of things for power factor improvement, remote monitoring and data logging.](#) Indonesian Journal of Electrical Engineering and Computer Science , 17 (2) pp.700-709
- 2019** [The prevalence of e-cigarette use among adults in Malaysia.](#) Asia Pacific Journal of Public Health , 31 (7 Supp 1) pp.9S-21S

- 2019** [Perception of harms and benefits of electronic cigarettes among adult Malaysian men: a comparison by electronic cigarette use and smoking status.](#) Asia Pacific Journal of Public Health , 31 (7 (suppl)) pp.325-435
- 2019** [Prevalence and factors associated with attempts to quit and smoking cessation in Malaysia.](#) Asia Pacific Journal of Public Health , 31 (7 (suppl)) pp.225-315
- 2019** [Assessment of perceived barriers on online health information seeking activities among university students: case study of Malaysia.](#) Journal of Information Systems and Digital Technologies , 1 (1) pp.25-30
- 2018** [Design and implementation of portable outdoor air quality measurement system using Arduino.](#) International Journal of Electrical and Computer Engineering (IJECE) , 8 (1) pp.280-290
- 2018** [Development of Quran reciter identification system using MFCC and GMM classifier.](#) International Journal of Electrical and Computer Engineering (IJECE) , 8 (1) pp.372-378
- 2018** [Impact of external factors on determining E-commerce benefits among SMEs in Malaysia.](#) Journal of Global Entrepreneurship Research , 8 (18) pp.1-12
- 2018** [A review on emotion recognition algorithms using speech analysis.](#) Indonesian Journal of Electrical Engineering and Informatics (IJEI) , 6 (1) pp.12-20
- 2018** [On the use of edge features and exponential decaying number of nodes in the hidden layers for handwritten signature recognition.](#) Indonesian Journal of Electrical Engineering and Computer Science , 12 (2) pp.722-728
- 2018** [Penetration testing using Kali Linux: SQL injection, XSS, Wordpress, and WPA2 attacks.](#) Indonesian Journal of Electrical Engineering and Computer Science , 12 (2) pp.729-737
- 2018** [Prevalence and determinants of antepartum depressive and anxiety symptoms in expectant mothers and fathers: results from a perinatal psychiatric morbidity cohort study in the east and west coasts of Malaysia.](#) BMC Psychiatry , 18 (1) pp.1-14
- 2018** [Speech emotion recognition using deep feedforward neural network.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (2) pp.554-561
- 2018** [Development of English handwritten recognition using deep neural network.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (2) pp.562-568
- 2018** [Development of quranic reciter identification system using MFCC and GMM classifier.](#) International Journal of Electrical and Computer Engineering , 8 (1) pp.372-378
- 2018** [The information system project profiles among universities in Indonesia.](#) Indonesian Journal of Electrical Engineering and Computer Science , 12 (2) pp.865-872
- 2018** [On the review and setup of security audit using Kali Linux.](#) Indonesian Journal of Electrical Engineering and Computer Science , 11 (1) pp.51-59
- 2018** [Sukuk rating prediction using voting ensemble strategy.](#) International Journal of Electrical and Computer Engineering (IJECE) , 8 (1) pp.299-304

- 2018** [Performance evaluation of multichannel audio compression.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (1) pp.146-153
- 2018** [Comparison of entropy coding mechanism on IEEE1857.2 lossless audio compression standard.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (1) pp.176-183
- 2018** [Prevalence and characteristics of e-cigarette use among adults in Malaysia.](#) Tobacco Induced Diseases , 16 (supp. 1) pp.93
- 2018** [On the comparison of line spectral frequencies and mel-frequency cepstral coefficients using feedforward neural network for language identification.](#) Indonesian Journal of Electrical Engineering and Computer Science , 10 (1) pp.168-175
- 2018** [Performance evaluation of smart home system using Internet of things.](#) International Journal of Electrical and Computer Engineering (IJECE) , 8 (1) pp.400-411
- 2018** [Assessment of internet banking services continued use: role of socio-cognitive and relational view.](#) TELKOMNIKA (Telecommunication Computing Electronics and Control) , 16 (6) pp.2817-2827
- 2018** [Decision tree optimization for sukuk rating prediction.](#) Journal of Fundamental and Applied Science , 10 (25) pp.323-332
- 2018** [Current state of personal data protection in electronic voting: criteria and indicator for effective implementation.](#) TELKOMNIKA Telecommunication, Computing, Electronics and Control , 16 (1) pp.290-301
- 2017** [A comparison of electronic cigarette smokers among urban and rural Malaysia.](#) The Medical Journal of Malaysia , 72 (supp. 1) pp.47
- 2017** [Design of automatic number plate recognition on android smartphone platform.](#) Indonesian Journal of Electrical Engineering and Computer Science , 5 (1) pp.99-108
- 2017** [Characteristics of E-cigarette or vape \(ECV\) users and patterns of use: Malaysia chapter.](#) The Medical Journal of Malaysia , 72 (supp. 1) pp.53
- 2017** [Development of language identification using line spectral frequencies and learning vector quantization networks.](#) Journal of Telecommunication, Electronic and Computer Engineering , 9 (3-7) pp.21-27
- 2017** [Development of educational game for primary school mathematics using Microsoft Kinect.](#) Indonesian Journal of Electrical Engineering and Computer Science , 6 (2) pp.457-463
- 2017** [Investigation of lossless audio compression using IEEE 1857.2 advanced audio coding.](#) Indonesian Journal of Electrical Engineering and Computer Science , 6 (2) pp.422-420
- 2017** [Evaluating the effect of viewing angle in different conditions for gait recognition.](#) ARPN Journal of Engineering and Applied Sciences , 12 (16) pp.4729-4735
- 2017** [Prototype design of smart home system using internet of things.](#) Indonesian Journal of Electrical Engineering and Computer Science , 7 (1) pp.107-115

- 2017** [Prevalence and characteristics of e-cigarette users among the current smokers and ex-smokers population in Malaysia.](#) The Medical Journal of Malaysia , 72 (supp. 1) pp.78
- 2017** [Development of photo forensics algorithm by detecting photoshop manipulation using error level analysis.](#) Indonesian Journal of Electrical Engineering and Computer Science , 7 (1) pp.131-137
- 2017** [The role of media and people's perception on electronic cigarette/vape in Malaysia.](#) The Medical Journal of Malaysia , 72 (Supplement 1) pp.88-88
- 2017** [Artificial neural network based fast edge detection algorithm for MRI medical images.](#) Indonesian Journal of Electrical Engineering and Computer Science , 7 (1) pp.123-130
- 2017** [Managers perceptions towards the success of E-performance reporting system.](#) TELKOMNIKA (Telecommunication Computing Electronics and Control) , 15 (3) pp.1389-1396
- 2017** [National E-cigarette Survey \(NECS\) 2016 in Malaysia method and population characteristic.](#) The Medical Journal of Malaysia , 72 (5 Supplement 1) pp.72-72
- 2017** [Development of efficient iris identification algorithm using wavelet packets for smartphone application.](#) Indonesian Journal of Electrical Engineering and Computer Science , 8 (2) pp.450-456
- 2017** [Digital photography based food intake prediction using artificial neural network.](#) Malaysian Journal of Medicine , 72 (Supplement 1) pp.20-20
- 2017** [Development of face recognition on raspberry Pi for security enhancement of smart home system.](#) Indonesian Journal of Electrical Engineering and Informatics (IJEI) , 5 (4) pp.317-325
- 2017** [Predictive data mining of chronic diseases using decision tree: A case study of health insurance company in Indonesia.](#) International Journal of Applied Engineering Research , 12 (7) pp.1334-1339
- 2017** [Edge detection of MRI images using artificial neural network.](#) The Medical Journal of Malaysia , 72 (Supplement 1) pp.22-22
- 2017** [Design and frameworks with experiment for a basic guide of theoretical isnad al-hadith authenticity examination.](#) International Journal on Islamic Applications in Computer Science And Technology , 5 (3) pp.28-45
- 2017** [E-cigarette use and perception among Malaysian: findings from text-mining analytics.](#) The Medical Journal of Malaysia , 72 (supp. 1) pp.22
- 2017** [Privacy and personal data protection in electronic voting: factors and measures.](#) TELKOMNIKA , 15 (1) pp.512-521
- 2017** [Mislabelling of nicotine content in electronic cigarette liquids in Malaysia: implications on public health.](#) The Medical Journal of Malaysia , 72 (supp. 1) pp.31
- 2017** [Performance evaluation of automatic number plate recognition on android smartphone platform.](#) International Journal of Electrical and Computer Engineering , 7 (3) pp.1941-1951

- 2017** [Prediction of electronic cigarette and vape use among Malaysian: decision tree analysis.](#) The Medical Journal of Malaysia , 72 (supp. 1) pp.34
- 2017** [Single channel speech enhancement using Wiener filter and compressive sensing.](#) International Journal of Electrical and Computer Engineering (IJECE) , 7 (3) pp.1941-1951
- 2016** [Development of Quran reciter identification system using MFCC and neural network.](#) TELKOMNIKA Indonesian Journal of Electrical Engineering , 17 (1) pp.168-175
- 2016** [Speech enhancement based on wiener filter and compressive sensing.](#) Indonesian Journal of Electrical Engineering and Computer Science , 2 (2) pp.367-379
- 2016** [The user satisfaction perspectives of the information system projects.](#) Indonesian Journal of Electrical Engineering and Computer Science , 4 (1) pp.215-223
- 2016** [A coherent framework for understanding the success of an information system project: a revised version.](#) Telkomnika (Telecommunication Computing Electronics and Control) , 14 (1) pp.302-308
- 2016** [Measurement of the information system project success of the higher education institutions in Indonesia: A pilot study.](#) International Journal of Business Information Systems , 23 (2) pp.229-247
- 2015** [Measurement of information system project success based on perceptions of the internal stakeholders.](#) International Journal of Electrical and Computer Engineering (IJECE) , 5 (2) pp.271-279
- 2015** [Influences of the input factors towards the success of an information system project.](#) Telkomnika (Telecommunication Computing Electronics and Control) , 13 (2) pp.686-693
- 2015** [Validation of information system project success model: a focus group study.](#) SAGE Open pp.1-14
- 2015** [Natural language question and answer system on semantic health website .](#) International Journal on Perceptive and Cognitive Computing (IJPCC) , 1 (1) pp.18-23
- 2015** [An appraisal of Malaysian hospital websites as a new media tool for improving healthcare information: a systematic review.](#) Australian Journal of Basic and Applied Sciences , 9 (2) pp.151-156
- 2015** [The predictive accuracy of Sukuk ratings; Multinomial Logistic and Neural Network inferences.](#) Pacific-Basin Finance Journal , 34 pp.273-292
- 2014** [Green IT attitude and behaviour in higher education institution: a gender perspective.](#) Journal of Applied Sciences , 14 (7) pp.714-718
- 2013** [A guideline to enforce privacy and data protection regulation in Indonesia.](#) South East Asia Journal of Contemporary Business, Economics and Law , 2 (3) pp.56-63
- 2013** [Collaboration algorithms between intermediaries for supporting flexible supply chain management.](#) International Journal of Applied Mathematics and Informatics , 7 (2) pp.33-43

- 2013** [Hierarchical structural driven model for integrative information management architecture.](#) International Journal of Advanced Computer Science and Information Technology , 2 (1) pp.1-13
- 2013** [Development of portable automatic number plate recognition system on android mobile phone.](#) IOP Conference Series: Materials Science and Engineering , 53 (012066) pp.1-10
- 2013** [An overview of legal framework for personal data protection on electronic voting in Indonesia .](#) International Journal of Business, Economics and Law , 2 (3) pp.62-68
- 2012** [Development of low bit rate speech encoder based on vector quantization and compressive sensing.](#) Journal of Applied Sciences pp.1-11
- 2012** [Parallelization of speech compression based algorithm based on human auditory system on multicore system.](#) Journal of Applied Sciences , 12 (4) pp.375-380

Conference or Workshop Item

- 2020** [A summarization of the visual depression databases for depression detection.](#) **In: 6th International Conference on Wireless and Telematics (ICWT) 2020**
- 2020** [Speech emotion recognition using convolution neural networks and deep stride convolutional neural networks.](#) **In: 6th International Conference on Wireless and Telematics (ICWT) 2020**
- 2020** [Development of voice-based smart home security system using Google voice kit.](#) **In: 6th International Conference on Wireless and Telematics (ICWT) 2020**
- 2020** [Security enhancement of smart home system using signature recognition on Raspberry Pi.](#) **In: 6th International Conference on Wireless and Telematics (ICWT) 2020**
- 2020** [eLearning Readiness of HEIs Students during Pandemic: Domain and Gender Perspectives.](#) **In: The International Conference on Innovative Technology, Engineering and Sciences 2020 (iCITES 2020)**
- 2020** [Social network analysis using Python data mining.](#) **In: 8th International Conference on Information Technology for Cyber and IT Service Management (CITSM 2020)**
- 2020** [Development of very low frequency data acquisition system using Raspberry Pi.](#) **In: 8th International Conference on Information Technology for Cyber and IT Service Management (CITSM 2020)**
- 2020** [The influence of gender and level of education on motivations for seeking health information online among parents.](#) **In: The 8th International Conference on Cyber and IT Service Management (CITSM 2020)**
- 2020** [A conceptual paper on the influence socio-economic status on attitude towards online health information seeking behavior: a Malaysian women context.](#) **In: The 8th International Conference on Cyber and IT Service Management (CITSM 2020)**
- 2019** [Mobile application for Halal food ingredients identification using optical character recognition.](#) **In: 2018 IEEE 5th International Conference on Smart Instrumentation, Measurement and Application (ICSIMA)**

- 2019 [Feature selection for financial data classification: Islamic finance application.](#) In: **2018 IEEE 5th International Conference on Smart Instrumentation, Measurement and Application (ICSIMA)**
- 2019 [Cyberbullying in e-Learning platform: a text mining analytics.](#) In: **International Conference on E-Learning 2019**
- 2019 [Herb leaves pattern recognition using digital microscope and deep learning.](#) In: **International Conference on Universal Wellbeing (ICUW2019)**
- 2019 [Comparative analysis of gender identification using speech analysis and higher order statistics.](#) In: **2019 IEEE 6th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2019)**
- 2019 [Food intake calorie prediction using generalized regression neural network.](#) In: **2018 IEEE 5th International Conference on Smart Instrumentation, Measurement and Application (ICSIMA)**
- 2019 [On the optimum speech segment length for depression detection.](#) In: **2019 IEEE 6th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2019)**
- 2019 [Development of smart chicken poultry farm using RTOS on Arduino.](#) In: **2019 IEEE 6th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2019)**
- 2019 [Development of social network analysis platform.](#) In: **2019 IEEE 6th International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2019)**
- 2018 [Prevalence and characteristics of e-cigarette use among adults in Malaysia.](#) In: **17th World Conference on Tobacco or Health (WCTOH)**
- 2018 [Online information seeking behavior for cancer related disease: A developed and developing country comparison.](#) In: **International Conference on Computing, Engineering, and Design (ICCED) 2017**
- 2018 [Development of power factor meter using Arduino.](#) In: **2018 IEEE 5th International Conference on Smart Instrumentation, Measurement and Application (ICSIMA)**
- 2018 [Development of air quality measurement system using raspberry Pi.](#) In: **2018 IEEE 5th International Conference on Smart Instrumentation, Measurement and Application (ICSIMA)**
- 2018 [A systematic literature mapping of risk analysis of big data in cloud computing environment.](#) In: **1st International Conference on Big Data and Cloud Computing (ICoBiC) 2017**
- 2018 [Development of offline handwritten signature authentication using artificial neural network.](#) In: **International Conference on Computing, Engineering, and Design (ICCED 2017)**
- 2018 [Is there a relationship between ICT development and human development?: an analysis of six major islands of Indonesia from 2012 to 2016.](#) In: **2018 International Conference on Information and Communication Technology for the Muslim World (ICT4M)**

- 2018 [Antepartum depressive, anxiety and comorbid symptoms among men and women in east and west coast of Malaysia: a cross-sectional analysis of a perinatal psychiatric morbidity cohort study.](#) In: **7th International Public Health Conference**
- 2018 [Risk assessment for big data in cloud:security, privacy and trust.](#) In: **2018 Artificial Intelligence and Cloud Computing Conference (AICCC 2018)**
- 2017 [Takhreej e-Guide: an innovation of electronic guide for Takhreej Al-Isnad Al-Hadith-based on physical structure of Isnad and principles of Hadith science.](#) In: **International University Carnival on e-Learning (IUCEL) 2017**
- 2017 [Assessing privacy and readiness of electronic voting system in Indonesia.](#) In: **5th International Conference on Cyber and IT Service Management (CITSM)**
- 2017 [How do the various media types and vape shops impact the perception of e-cigarettes use and harm in Malaysia?.](#) In: **5th Asia Pacific Conference on Public Health Supplement 2017**
- 2017 [Election fraud and privacy related issues: addressing electoral integrity.](#) In: **2016 International Conference on Informatics and Computing (ICIC)**
- 2017 [E-business capability and value among retail SMEs: Some empirical evidence from Malaysia.](#) In: **2016 IEEE Conference on e-Learning, e-Management and e-Services (IC3e)**
- 2017 [A review of lossless audio compression standards and algorithms.](#) In: **International Conference on Electrical and Electronic Engineering 2017 (IC3E2017)**
- 2017 [Use of e-cigarette among Malaysian male adults: findings from global adult tobacco survey 2011 and national e-cigarette survey 2016.](#) In: **5th Asia Pacific Conference on Public Health**
- 2017 [Investigation of various algorithms on multichannel audio compression.](#) In: **2017 IEEE International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA 2017)**
- 2017 [National E-cigarette Survey \(NECS\) 2016 in Malaysia method and population characteristics.](#) In: **5th Asia Pacific Conference on Public Health Supplement 2017**
- 2017 [Development of language identification system using MFCC and vector quantization.](#) In: **4th IEEE International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA) 2017**
- 2017 [Performance analysis of IEEE 1857.2 lossless audio compression linear predictor algorithm.](#) In: **4th IEEE International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA) 2017**
- 2017 [Low nicotine addiction level, older age, and being female are associated with contemplation and preparation stages of smoking cessation among adult current smokers in Malaysia.](#) In: **5th Asia Pacific Conference on Public Health**
- 2017 [Current state of personal data protection in electronic voting: demand on legislature's Bill.](#) In: **1st International Conference on Informatics and Computing, ICIC 2016**

- 2017 [A model for measuring well-being of medical practitioners in EHR implementation.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World, ICT4M 2016**
- 2016 [A conceptual model of green it practices on organisational sustainability.](#) In: **6th International Conference on ICT for the Muslim World (ICT4M) 2016**
- 2016 [On the characteristics of various Quranic recitation for lossless audio coding application.](#) In: **6th International Conference on Computer and Communication Engineering (ICCCE 2016)**
- 2016 [Factors influencing e-Business capability: An empirical study on Malaysian SMEs.](#) In: **2016 International Conference on Information Science, Technology, Management, Humanities & Business (ITMAHUB)**
- 2016 [Frameworks for a computational Isnad authentication and mechanism development.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World (ICT4M 2016)**
- 2016 [Speech enhancement in non-stationary noise using compressive sensing.](#) In: **6th International Conference on Computer and Communication Engineering (ICCCE 2016)**
- 2016 [A model for measuring well-being of medical practitioners in EHR implementation.](#) In: **6th International Conference on Information and Communication Technology for the Muslim World (ICT4M 2016)**
- 2015 [Protecting youth from social media risks through information security practices and Islamic principles.](#) In: **3rd International Conference on Islamic Applications in Computer Science And Technology**
- 2014 [S-Rater: data mining application in Islamic financial sector.](#) In: **2014 5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [Decision to cast a vote: an ordinal regression statistical analysis.](#) In: **2014 5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [Privacy concern and perceived benefits towards privacy and election in Indonesia.](#) In: **5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2014 [Design and development of portable classroom attendance system based on arduino and fingerprint biometric.](#) In: **5th International Conference on Information and Communication Technology for The Muslim World (ICT4M 2014)**
- 2013 [Assessment of e-commerce adoption benefits by Indonesian women entrepreneurs.](#) In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [A conceptual framework for assessing electronic banking continued use.](#) In: **2013 8th International Conference on Information Technology in Asia (CITA)**
- 2013 [E-commerce adoption by Indonesian small agribusiness: reconsidering the innovation-decision process model .](#) In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**

- 2013 [Privacy and trust in the Islamic perspective: implication of the digital age.](#) In: **The 4th International Conference on Information & Communication Technology for the Muslim World (ICT4M)**
- 2013 [Optimization of ANPR algorithm on android mobile phone.](#) In: **2013 International Conference on Smart Sensor, Measurement, and Applications**
- 2013 [Development of high quality speech compression system for Quranic recitation based on modified CELP algorithm .](#) In: **Proceedings of IEEE International Conference on Smart Instrumentation, Measurement and Applications (ICSIMA)**
- 2013 [Framework for logistics coordination and distribution mobile application in disaster management.](#) In: **International Conference on Advanced Computer Science Applications and Technologies 2013**
- 2013 [Development of portable charger for mobile phone using arduino microcontroller during disaster recovery .](#) In: **International Conference on Advanced Computer Science Applications and Technologies 2013**
- 2013 [An overview of legal framework for personal data protection on electronic voting in Indonesia.](#) In: **Kuala Lumpur International Business, Economics, and Law Conference**
- 2013 [A guideline to enforce privacy and data protection regulation in Indonesia.](#) In: **Kuala Lumpur International Business, Economics, and Law Conference**
- 2013 [Development of portable automatic number plate recognition system on android mobile phone.](#) In: **5th International Conference on Mechatronics (ICOM'13)**
- 2012 [Development of web application for Muslim traveller with emphasis on social networking.](#) In: **International Conference on Computing and Information Technology (ICCIT 2012)**
- 2012 [Design and implementation of automatic number plate recognition on android platform.](#) In: **International Conference on Computer and Communication Engineering (ICCCE 2012)**
- 2011 [Development of FYP online system for outcome based education.](#) In: **IEEE Region Ten Conference (TENCON 2011)**
- 2011 [Empowering youth entrepreneurship through online business.](#) In: **Proceedings of the 4th International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD 2011)**
- 2010 [An implementation of natural language processing on ontology-based electronic health website: a case of female-related diseases domain.](#) In: **Proceedings of International Conference on Information and Communication Technology for the Muslim World (ICT4M) 2010**

Book

- 2018 [Smart home system using internet of things: design, implementation and sample codes.](#) LAP Lambert Academic Publishing . ISBN 978-613-9-83980-3
- 2017 [Multichannel audio compression: performance evaluation of various algorithms.](#) LAP LAMBERT Academic Publishing . ISBN 978-620-2-01220-1

- 2017** [Language identification system using Matlab: design, implementation, and sample codes.](#) LAP LAMBERT Academic Publishing . ISBN 978-620-2-06531-3
- 2017** [An integrated model of E-Government adoption the case of electronic tax filing among Indonesian corporate taxpayers.](#) IIUM Press, International Islamic University Malaysia . ISBN 978-967-418-696-8
- 2017** [Development of educational game using Microsoft Kinect: Primary school mathematics case studies.](#) LAP LAMBERT Academic Publishing . ISBN 978-3-330-0648-3
- 2017** [Portable outdoor air quality measurement system using Arduino.](#) LAP LAMBERT Academic Publishing . ISBN 978-3-330-08717-0
- 2016** [National e-cigarette survey \(NECS\) 2016: prevalence, pattern and perception regarding e-cigarette and vape use among Malaysian adults.](#) Institute for Public Health, Ministry of Malaysia and International Islamic University Malaysia
- 2016** [Automatic Number Plate Recognition on android platform: With some Java code excerpts.](#) LAP : LAMBERT Academic Publishing . ISBN 978-3-659-94034-7
- 2013** [Solar powered portable charger for disaster recovery: design and development using mini solar panel and arduino microcontroller.](#) LAP Lambert Academic Publishing . ISBN 9783659480935
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