

## SITI MAZZUANA SHAMSUDDIN (Sr, Dr)

Senior Lecturer

Studies of Quantity Surveying  
School of Construction & Quantity Surveying  
College of Built Environment  
Universiti Teknologi MARA,  
40450 Shah Alam,  
Selangor, Malaysia.

Industrial Innovation  
Energy and Environment

+6012-659 9064  
mazzuana@uitm.edu.my



### Areas of Expertise

Industrialised Building System, Industrial Innovation, Life Cycle Costing, Construction Economics, Sustainable Development

<https://expert.uitm.edu.my/profile.php?id=FkSv6J1uXOfjx8jk6AGUEmScdNDRTLQy7PEC9VHEbs=>

<https://www.webofscience.com/wos/author/record/ABA-4891-2020>

<https://www-scopus-com.uitm.idm.oclc.org/authid/detail.uri?authorId=56996935800>

<https://orcid.org/0000-0002-2409-4836>

<https://scholar.google.com/citations?hl=en&user=I228ua8AAAAJ>

### Personal Information

Detailed information

SITI MAZZUANA BINTI SHAMSUDDIN  
241856

Centre of Studies for Quantity Surveying  
Sustainable Development and Life Cycle Costing

### Academic Qualifications

Detailed information

PhD in Civil Engineering, 2020, Universiti Teknologi Malaysia

Master of Science in Construction Management, 2005, Universiti Teknologi Malaysia

Bachelor of Quantity Surveying, 2002, Universiti Teknologi Malaysia

Diploma in Quantity Surveying, 2001, Universiti Teknologi Malaysia

### Professional Members

1. Royal Institution of Surveyors Malaysia (RISM), Member, 2018-2024
2. Board of Quantity Surveyors Malaysia (BQSM), Professional Quantity Surveyor (PQS), 2018-2024

## Teaching and Learning

1. Master, since March 2020, Integrated Construction Project Management
2. Degree, since September 2018, Professional Practice II
3. Degree, since March 2018, Measurement of Civil Engineering Construction Works
4. Degree, since July 2008 until September 2020, Construction Technology IV
5. Degree, since July 2008 until March 2011, Building Services II
6. Degree, since September 2015 until September 2018, Construction Technology III
7. Degree, since July 2008 until March 2020, Applied Studies I & II
8. Degree, since September 2015 until September 2018, Construction Economics I
9. Degree, since September 2015 until March 2017, Project Management II
10. Degree, since September 2015 until September 2016, Information Technology

## Student Supervision

### Degree (Completed)

#### Year 2008

1. Tarmizi Bin Hamad, Evolution of Soil Treatment Techniques in Malaysia
2. Radziyati Binti Abdul Rahman, A Study on Beach Protection Using Beach Management System
3. Nazirah Binti Mohd Nor, Modular Floating System Applied in Projek Cadangan Membina Sebuah Jeti Di Esplanade Wing, Lumut Waterfront, Lumut Untuk Majlis Perbandaran Manjung
4. Noradillah Binti Mohd Hamdi, A Study on Passive Fire Protection in Public Schools: (Comparison Between UBBL And International Standard)
5. Mas'ayu Binti Mohd Annorwar, Security System in Shopping Complexes
6. Mohd Sallehin Bin Juhair, A Study on Maintenance & Cost Ibu Pejabat Polis Kontinjen (IPK) Bukit Beruang Melaka

#### Year 2009

1. Noor Adzhar Bin Kamarudin, Maintenance for Gas District Cooling (GDC) Plant
2. Nur Fariha Binti Hamzah, Lightweight Construction Methods: Design, Construction and Cost for Residential Buildings
3. Muhamad Nasaruddin Bin Razak, The Effects of The Attributes and Quality of Project Manager on Project Management
4. Noraini Binti Rasi, Car Lift System in GM Plaza, KL
5. Juliana Binti Ariffin, Semi-Flexible Pavement: An Alternative for Highway Construction
6. Ahmad Faiz Bin Ahmad Fakri, Problem Resolution Process to avoid Disputes in Partnering Projects
7. Noor Pazilla Binti Deraman, Environment Management System (Ems) For Sultan Mahmud Airport, Terengganu
8. Raden Nor Laila Binti Raden Karno, Price Trend of Residential Buildings in Kedah
9. Syahrman Bin Ayub @ Ismail, Material Handling: Towards Reducing Latent Defects
10. Nurhidayah Binti Hasan Sudin, Chip Seal Technology in Road Construction

#### Year 2010

1. Nadzirah Binti Arshad, Implementation of Industrialised Building System (Ibs) Towards Sustainable Site Planning and Management
2. Ku Mohammad Asyraf Bin Ku Azir, Cost Modelling in Government Project
3. Noor Asyikin Bt Abdul Rahim, Rehabilitation of Bukit Antarabangsa
4. Syazwani Syazlini Binti Zubir, Improving the Knowledge Of Practitioners On Sustainability In Value Management

5. Nur Farahah Bt Razali, Cost Data Of Decorative Interior For Mosque In Selangor
6. Shahazlan Bin Sharuddin, Construction and Cost of Pusat Penjaja DBKL

#### **Year 2015**

1. Azizi Bin Dahrawi, A Study on The Nominated Subcontractor's Problems In The Malaysian Construction Industry
2. Muhammad Aizat Bin Zainal, Assessing The Building Services Features And Cost For Sarawak Energy Berhad
3. Nur Afiqah Binti Norsham, Dispute Concerning The Unrapid Development Of Redevelopment Of Kampong Bharu From The Land Owner Perspective
4. Nur Amira Balqis Binti Khairul Anuar, The Strategies And Planning Of Maintenance Management In The Museum
5. Nurul Amira Binti Mohd Fared, Waste Management In Residential Buildings
6. Muhammad Ashraf Bin Rohamad, Profile And Economics Of The IBS Supplier : A Case Study
7. Muhammad Syahmi Bin Jafar, Comparative Studies On Building Envelope Between Green Building And Conventional Building
8. Nur Jannah Syazana Bte Edi Zuharmi, Potential Waste Of Precast Concrete Element In Construction Project

#### **Year 2016**

1. Alya Aiman Binti Abdul Aziz, Design, Installation and Cost Of Modular Housing Project
2. Norfazimah Yati Binti Mohamed, A Study Of Green Building Features For Office Building In Malaysia : Gold Building Perspective
3. Nur Alya Syaqira Binti Che Mohd Radin, Readiness of The Malaysian Construction Industry Towards the Implementation of Trans-Pacific Partnership Agreement (TPPA)
4. Nur Hazimah Binti Zaini, IBS For Low Cost Housing In Malaysia
5. Nur Nazifah Binti Ahmad Aznan, Analysis of Characteristics Affecting Cost Escalation for Malaysian Construction Projects
6. Nurul Fasihah Binti Abd Rahim, A Comparative Study of Occupants Satisfaction Between Green Building and Conventional Building
7. Nurhakimah Bt Abu Sapien, Human Capital Development in Construction Industry: CITP 2015-2020 Perspective
8. Wan Abdullah Hamid Bin Wan Ahmad, The Implementation of Information and Communication Technology (ICT) Tools On Construction Project Performance And Its Impact Amongst Contractor

#### **Year 2017**

1. Amalia Binti Mohamad Nor, Developer Contribution to The Eco-Friendly Construction
2. Nur Afiqah Binti Nasir, Cost Data for Terrace House in Pahang
3. Nurul Syaifiqah Binti Ishak, Issues and Challenges in The IBS Supply Chain Process
4. Siti Nur Khairunnisa Bt Mohd Shukri, Study on Maintenance Management of Fire Fighting System in High Rise Building
5. Amir Azani Bin Anuar, Internationalisation Of Construction Industry: Problem and Strategy in Venturing Project Overseas
6. Mohamad Kamarul Bin Othman, Causes Of Time Delay And Its Possible Solution In Civil Engineering Project In Malaysia Construction Industry
7. Nurul Shahanim Binti Sahidan, Training Needs For Contractors: Towards Producing Knowledgeable And Skillfull Certified IBS Contractor

### **Year 2018**

1. Aina Syafiqqa Binti Mohd Zaini Cheong, A Study To Identify The Barriers To Construct A Sustainable Government Building
2. Fathiyah Syazana Binti Zuraimy, Significant Contributors To Cost Overruns In Ibs Projects
3. Harith Hazwan Bin Kamaruzzaman, Construction Of East Cost Rail Link (ECRL) : Socio-Economics Impact On Infrastructure Perspective In Maran, Pahang
4. Mohamad Syaiful Ryeza Bin Abdullah, Construction And Cost Of Reconstruction And Upgrading Of Rural Schools Using IBS In Sarawak
5. Muhammad Fairuz Azni Bin Rosli, Establish The Factors That Influence The Functionality Of The Building Automation System (BAS) In The Building
6. Natalie Hikaru Anak Lainus, A Study On QCLASSIC In Construction Industry In Sarawak
7. Nur Fatin Nadia Binti Ahmad Sukri, Barriers In Implementing Sustainable Materials In Malaysian Construction Industry
8. Aina Shafa Al-Fath Bt Abu Bakar, Barriers For Construction Workers To Ingrain Safety And Health Culture In Jimah East Power Plant
9. Alif Aiman Bin Othman, The Awareness Of Construction Player Towards The Risk Management Of Underground Utilities
10. Nur Ane Aqila Binti Azman, Various Risk Involved In Highway Project
11. Nurul Najihah Binti Jamilrullah, A Study On Smart Buildings In Malaysia

### **Year 2019**

1. Muhammad Faizal Bin Suhairi, A Study Of Integration Of Building Information Modelling (BIM) And Industrialized Building System (IBS).
2. Nur Syamimi Izzati Binti Putera Ahmad Hilmi, A Study On Modular Reusable Hoardings System Towards Sustainable Environment
3. Nurshafiqah Binti Sharulazam, Prefabrication In Infrastructure Project MRT Construction In Malaysia Toward Its Sustainable Practice
4. Nurul Shafiqah Binti Baharom, A Study On Common Defect In Housing Building
5. Putri Nur Atikah Binti Roszaini, The Usage Level Of Life Cycle Costing (LCC) Amongst Quantity Surveyor
6. Saiyidah Nafisah Binti Mohd Rafie, A Comparative Study In Energy Efficiency Features Between Private Hospital At Johor Bahru

### **Year 2020**

1. Nur Syafiqah Izzati Binti Izazul @ Zainal, Critical Success Factors (CSF) On The Implementation Of Industrialised Building System (IBS) For High Rise Building In Kuala Lumpur
2. Muhammad Shakir Bin Khairil Anuar, Cost Control Technique On LRT Project In Malaysia
3. Nurul Syakira Mohd Kamil, Legal Issues To BIM : Malaysian Context
4. Muhammad Raziq Bin Medalishah, The Challenges Of Implementation Green Building Index (GBI) Among Contractors In Malaysia
5. Siti Nur Munirah Binti Ahmad, Risk In Green Building Construction
6. Nor Alia Elisya Binti Amaludin, Readiness Of Stakeholders To Implement Government Green Procurement

### **Year 2021**

1. Nur'Ain Faqihah Binti Ruslan, Sustainable Development Goals Initiatives in Construction A Study of IBS Formwork System
2. Nurul Syahirah Binti Norohaizat, Pavement Rehabilitation at Karak Highway
3. Nur Izzatul Syahirah Binti Ishak, The Problems Faced in The Implementation of Industrialised Building System on Construction Industry in Sarawak

### **Year 2022**

1. Irdina Sofea Binti Abdul Jalil, The Effects of Smart Office Design Towards Employee's Productivity
2. Nur Athirah Roslan, A Study of Awareness of Government Green Procurement Implementation Amongst Construction Players in Malaysia
3. Hanis Syahirah Binti Hairul Fazlin, Implementation of Life-Cycle Costing in Public-Private Partnersip Projects

### **Year 2023**

1. Nur Anisah Binti Somadi, The Study on Zero Energy Buildings Cost Control Strategy
2. Nuzul Hakimi Bin Sobaruddin, The Challenges, Potentials and Strategies of Modern Timber House in Malaysia
3. Muhammad hariz Bin Ahmat Sharifudin, The Efficiency of Smart Home Technology in Malaysia
4. Sebastian Anak Stanley, A Study on Awareness of Retrofitting in Building Amongst Developers' Perspective in Sarawak
5. Siti Nur Aisyah Binti Harun, Utilization of Cloud Computing in Construction Industry: Awareness Among Contractors in Malaysia
6. Mazhar Hakim Bin Md Tarmizi, Green Development: Challenges, Potential and Strategies in Johor
7. Suffi Haiqal Bin Faizal, Anticipated Challenges in Construction Technology Trends Implementation
8. Putera Muhammad Iskandar Bin Suzaini, Roles and Challenges of Quantity Surveying Profession in Sustainable Construction
9. Anis Zurina Binti Kamsan, Malaysian Stakeholders' Perception Towards Construction Plan 4.0
10. Nurul Firzanah Binti Mohd Juah, A Study on Potential of Construction Green Products in Reducing Waste in the Construction Industry
11. Nursyafiqah Binti Khalil Khusairi, Factor, Impact & Strategies to Overcome Low New Registered QS in Malaysia
12. Nurazuraayu Binti Kamarazaman, Green Building Construction: Occupational, Safety and Health Study

### **Master**

#### **Year 2021**

1. Khairul Bin Bahardin, Adoption of Industrialised Building System (IBR) Method in Enhancing Construction Project Management
2. Norjuma'ah Binti Muhammad, Challenges of Cost Control Practices in Construction Projects to Minimize Cost Overrun.

#### **Year 2023**

1. Siti Suhana Binti Abu Bakar, The Process and Best Strategies in Project Management of Conservation of Heritage Building

### **PhD**

#### **Year 2020**

#### **On Going**

1. Hadlisham Bin Mat Yusoff, A Framework for Life Cycle Cost Usage to Minimize Financial Risk in PFI Project in Malaysia, Universiti Teknologi MARA

## **Year 2023**

### **On Going**

1. Faisal Alshammari, Project Manager's Skill Framework to Improve Project Performance in Kuwait Construction Industry, Universiti Teknologi Malaysia

### **Completed**

1. Muhammad Faiz Bin Abd Rahman, Cost Risk of Life Cycle Costing Calculator for Green Project, Universiti Teknologi Malaysia

## **Publications**

1. Building Information Modelling (BIM) Capability in Malaysian Architectural Practices, Malaysia (2023), Asean Engineering Journal, 13(1)
2. Effects of COVID-19 Pandemic on Construction Work Progress: An On-Site Analysis from Sarawak Construction Project, Malaysia (2022), Sustainability, ISSN 2071-2465
3. Key Approaches of Life-Cycle Costing in Green Government Procurement (GGP) for Green Projects (2021), Journal of Malaysian Institute of Planners, 19 (2)
4. Confirmatory Factor Analysis of the Life Cycle Costing Sub-Cost Distribution for Industrialised Building System using SEM-PLS (2021), Engineering Journal, Volume 1 (1)
5. Decision making of green technology retrofitting in higher learning institution (2020) International Journal of Advanced Science and Technology, 29 (6)
6. Causes of Time Delay and its Possible Solution in Civil Engineering Project in Malaysia Construction Industry (2019), QSRI2018 Proceeding of the Quantity Surveying Research and Innovation Presentation, ISBN 978-967-363-501-6
7. Various Risks Involved in Highway Projects among Malaysia Contractors' Perspective, (2019), Proceeding of the Quantity Surveying Research and Innovation Presentation (Vol.2.0), ISBN 978-967-363-679-2
8. Sustainable operation and maintenance criteria for non-toll road green rating system (2019) The 7th International Conference of Euro Asia Civil Engineering Forum, University of Stuttgart, Germany
9. Decision making tool for retrofitting of existing building for energy reduction in higher learning institution (2019) The 7th International Conference of Euro Asia Civil Engineering Forum, University of Stuttgart, Germany
10. Decision making tool for retrofitting of existing building for energy reduction in higher learning institution (2019), Matec Web of Conference, Vol 615
11. Sustainable operation and maintenance criteria for non-toll road green rating system (2019) Matec Web of Conference, Vol 615
12. Developing methodology for cradle to grave cost planning for industrialised building system (IBS) in Malaysia, The 2nd International Conference on Construction and Building Engineering, Padang, Indonesia. June 2015.
13. Energy efficiency initiatives in a campus building (2018), Chemical Engineering Transactions, 56, 1-6 DOI:10.3303/CET1756001
14. Development of weightage for criteria affecting in retrofitting of existing building in Higher Learning Institution with clean energy initiatives, IOP Conf. Series: Earth and Environmental Science 143 (2018)
15. Evolution to Emergence of Green Buildings: A Review (2018) Administrative Science, 9 (6)
16. The priority importance of economic motivation factors against risks for green building development in Malaysia, Matec Web of Conference, Volume 138(2017)

17. Factor Analysis on Criteria Affecting Lean Retrofit for Energy Efficient Initiatives in Higher Learning Institution Buildings, Matec Web of Conference, Volume 138(2017)
18. Multi-Criteria Decision Analysis for Evaluating Sustainable Lifts Design of Public Hospital Buildings (2017) Chemical Engineering Transaction, 6, 199-204
19. A framework of initiatives for successful application of life cycle costing (LCC) in industrialised building system (IBS) in Malaysian construction industry, Matec Web of Conference, Volume 138(2017)
20. Integrating Life Cycle Costing Attributes in Industrialised Building System and Cost Estimation in Malaysian Construction Industry (2016), International Conference on Innovation in Business and Strategy (ICIBS2016), , Kuala Lumpur, Malaysia.
21. Economic Attributes in Industrialised Building System in Malaysia (2013). Procedia - Social and Behavioral Sciences 105 ( 2013 ) 75 – 84.
22. Drivers and Challenges of Industrialised Building System in Malaysian Construction Industry (2012), Proceedings of International Conference of Civil Engineering Research (ISBN: 978-983-44826-1-9).

## Research Grants and Contracts

1. Norfashiha Hashim, Norazian Mohamad Yusuwan, Siti Mazzuana Shamsuddin, Siti Rashidah Hanum Abd Wahab & Mohd Ariffin Mohd Nohrivi  
2023-2024  
Guidelines of Maintenance Charges Budgeting For Strata Development  
NAPREC Research Grant  
RM75,000  
Member
2. Siti Mazzuana Shamsuddin & Shaza Rina Sahamir  
2018-2021  
The Development of Economic Analysis For Malaysia Green Rural Road Index (MYRRI)  
Collaborative Research Grant  
RM 20,000  
Leader
3. Norfashiha Hashim, Norazian Mohamad Yusuwan & Siti Mazzuana Shamsuddin  
2017-2020  
Cost Planning Model For Industrialised Building Systems (Ibs) Construction Using Life Cycle Costing Approach  
BESTARI  
RM50,000  
Member
4. Siti Mazzuana Shamsuddin  
2009-2010  
Preventing Conflicts In Partnering  
Dana Kecemerlangan  
RM 15,000  
Leader

## Consultation & Expertise

### Consultation

1. Kementerian Hal Ehwal Ekonomi  
United Nations Development Programme  
Development of Government Green Procurement Guidelines For Construction Industry (GGP Works)  
National  
2019-2020  
Member
2. Malaysia Green Technology and Climate Change Corporation  
TWG3, SCP-GGP, Pilot Project on GGP in Malaysia  
2022-2023  
Member

### Expertise

1. Royal Institute of Surveyors Malaysia  
Penilai Akreditasi Diploma in Quantity Surveying, Tunku Abdul Rahman University of Management and Technology, Pulau Pinang  
Februari 2024
2. Board of Quantity Surveyors Malaysia  
Penilaian Akreditasi BSc (Hons) Quantity Surveying, University of Reading Malaysia  
September 2023
3. Royal Institute of Surveyors Malaysia  
Penilai Akreditasi Diploma in Quantity Surveying, Politeknik Sultan Abdul Halim Muadzam Shah, Jitra, Kedah
4. Penggubal Soalan Jawatankuasa Teknikal Kompetensi Pembinaan (Bidang Pengurusan Fasilitas)  
Facility Management Executive & Facility Management Manager, CIDB Holdings Sdn Bhd, Jun 2023
5. Board of Quantity Surveyors Malaysia  
Penilaian Akreditasi Bachelor of Applied Science (Construction Management), Curtin University Malaysia  
Januari 2023
6. Board of Quantity Surveyors Malaysia  
Penilaian Akreditasi BSc (Hons) Quantity Surveying, University of Reading Malaysia  
September 2023
7. Board of Quantity Surveyors Malaysia  
Penilaian Dokumen Laporan Tahunan 2021 Program "Bachelor Of Quantity Surveying (Honours)" – Taylors  
April 2022

8. Construction Industry Development Board  
Subject Matter Expert (SME)  
Kajian Kos Kitaran Hayat (LCC) Bagi Projek Pembinaan Yang Menggunakan Kaedah *Prefabrication Volumetric Module* (PVM)  
Nov 2021- Mac 2022
9. Board of Quantity Surveyors Malaysia  
Accreditation Panel for Taylors University  
July 2021
10. Board of Quantity Surveyors Malaysia  
Accreditation Panel for Universiti Tuanku Abdul Rahman  
Mac 2022
11. Royal Institute of Surveyors Malaysia  
Accreditation Panel for Swinburne University Malaysia, Sarawak  
Mac 2022
12. Pusat Kecemerlangan Kejuruteraan dan Teknologi JKR (CREaTE)  
Penceramah/Fasilitator Bagi Bengkel Life Cycle Costing in Construction Industry  
National  
Ogos dan September 2021
13. Board of Quantity Surveyors Malaysia  
Reviewer and judges of Best Dissertation Award  
National  
Judges
14. Kementerian Hal Ehwal Ekonomi  
Government Green Procurement for Works  
National  
Policy Maker
15. Institute of Graduate Studies UiTM  
Pembangunan Program Phd Professional UiTM  
University  
Panel of Reviewer
16. Institute of Graduate Studies UiTM  
Pembangunan Peraturan Akademik Bagi Program Secara Penyelidikan Sarjana Dan Phd  
University  
Board of Editors

## **Innovation, Commercialization & Entrepreneurial**

### **Innovation**

1. Decision Making Tool for Integrated Industrialised Building System Adoption Through Life Cycle Costing Analysis  
INNOVATION  
IIDEX 2020 Universiti Teknologi MARA – SILVER Medal  
2020  
Leader
2. Development of Integrated IBS and LCC for Malaysian Construction Industry Innovation IIDEX 2016  
Universiti Teknologi MARA – SILVER Medal  
2018  
Leader
3. Hanan-Allah Mohamed, Norfashiha Hashim, Norazian Mohamad Yusuwan, Siti Mazzuana Shamsuddin (2021) - *Critical BIM Capabilities For Malaysian Architectural Practices* - Pembentangan Poster (Silver) Exhibition: National Invention and Innovation Competition, Universiti Tun Hussein Onn, Johor

## **Services & Administration**

1. Head of Academic Development, Resources & Students  
Institute of Graduate Studies,  
Universiti Teknologi MARA  
Major Task: Managing seminars, financial aids and industry collaboration for all postgraduate students in UiTM
2. Coordinator of Recruitment and Admission  
Institute of Graduate Studies,  
Universiti Teknologi MARA  
Major Task(s): Recruiting new students internationally and locally, administer student's admission and registration
3. Coordinator of Academic Mission  
Faculty of Architecture Planning and Surveying  
Major Task: Promoting programmes offered at the FSPU
4. Coordinator of Seminar  
Centre of Studies for Quantity Surveying, FSPU  
Major Task: Coordinating and organizing seminar for the department
5. Coordinator of Practical Training (Placement)  
Centre of Studies for Quantity Surveying, FSPU  
Major Task: Administering placement application for students and liaise with a potential employer for employment opportunity

6. Resource Person for Professional Practice II and Applied Studies II Centre of Studies for Quantity Surveying Major Task: Managing syllabus and academic matters pertaining to the course.

## **Work and Collaboration Experience**

1. Collaboration seminar between UiTM Perak, Sarawak and Shah Alam for a workshop on Government Green Procurement in Marriot, Putrajaya  
Kementerian Hal Ehwal Ekonomi & United Nations Development Programme  
Speaker  
13 July 2020
2. Workshop on Government Green Procurement for Works – Validation with Stakeholders  
Cophthorne Hotel, Cameron Highlands  
Kementerian Hal Ehwal Ekonomi & United Nations Development Programme  
Speaker  
23-24 August 2020
3. Quantity Surveying International Convention (QSIC) 2015  
The Everly, Putrajaya  
Collaboration of UiTM and Board of Quantity Surveyors Malaysia  
20-21 October 2020  
Committee and Emcee
4. Quantity Surveying International Convention (QSIC) 2018  
Sime Darby Convention Centre  
Collaboration of UiTM and Board of Quantity Surveyors Malaysia  
22-23 October 2020  
Committee
5. International QS Academic Forum (IQSAF) 2018  
Sime Darby Convention Centre  
Collaboration of UiTM and Board of Quantity Surveyors Malaysia  
21 October 2018  
Chairman

## **Awards & Recognitions**

1. Best Paper titled Integrating Life Cycle Costing Attributes in Industrialised Building System and Cost Estimation in Malaysian Construction Industry International Conference on Innovation in Business and Strategy 2016, Universiti Teknologi Malaysia
2. Anugerah Perkhidmatan Cemerlang, Universiti Teknologi MARA, 2019

## Contribution to Society

1. Kajian Kos Kitaran Hayat (LCC) Bagi Projek Pembinaan Yang Menggunakan Kaedah *Prefabrication Volumetric Module* (PVM)  
3 Mac 2022  
Construction Industry Development Board Malaysia
2. Collaboration seminar between UiTM Perak, Sarawak and Shah Alam for a workshop on Government Green Procurement in Marriot, Putrajaya, July 2020  
Kementerian Hal Ehwal Ekonomi & United Nations Development Programme  
Speaker
3. Workshop on Government Green Procurement for Works – Validation with Stakeholders  
Cophorne Hotel, Cameron Highlands, 23-24 August 2020  
Kementerian Hal Ehwal Ekonomi & United Nations Development Programme  
Speaker
4. Quantity Surveying International Convention (QSIC) 2015  
The Everly, Putrajaya, 20-21 October 2020  
Collaboration of UiTM and Board of Quantity Surveyors Malaysia  
Committee and Emcee
5. Quantity Surveying International Convention (QSIC) 2018  
Sime Darby Convention Centre, 22-23 October 2020  
Collaboration of UiTM and Board of Quantity Surveyors Malaysia  
Committee
6. International QS Academic Forum (IQSAF) 2018  
Sime Darby Convention Centre, 21 October 2018  
Collaboration of UiTM and Board of Quantity Surveyors Malaysia  
Chairman
7. Committee in Information Technology and Publication  
Board of Quantity Surveyors Malaysia  
Appointment Duration: 2019-2021
8. Technical Committee and Advisor  
Board of Quantity Surveyors Malaysia  
Appointment: 2020-2022
9. Technical Working Committee  
Plant and Labour Constant  
Construction Industry Development Board Malaysia  
Appointment: 2018-2019