

## DR SHARIFAH NUR AINA SYED ALWEE

### Senior Lecturer

School of Construction and Quantity Surveying  
College of Built Environment  
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40450 Shah Alam,  
Selangor, Malaysia.

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### Areas of Expertise

Legal & Contractual Aspects of Building Information Modelling (BIM) Implementation, Construction Law, Construction Contract Management, Project Management and Construction Economics

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<https://scholar.google.com/citations?user=IKM45HIAAAAJ&hl=id&oi=ao>  
<https://www.researchgate.net/profile/Sharifah-Nur-Aina-Syed-Alwee>

### Personal Information

Sharifah Nur Aina Syed Alwee, PhD  
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School of Construction and Quantity Surveying  
College of Built Environment (CBE)  
UiTM Shah Alam, Selangor

### Academic Qualifications

Ph.D in Built Environment - Procurement and Contract (Universiti Malaya) – 2023  
MSc. in Construction Law (University of Wolverhampton, UK) – 2009  
BSc. (Hons) in Quantity Surveying (Universiti Teknologi MARA) – 2005  
Diploma in Quantity Surveying (Universiti Teknologi MARA) – 2003

### Professional Members

Provisional Quantity Surveyor of the Board of Quantity Surveyors Malaysia (BQSM) – Reg. No: 2013/PVQS04124  
Graduate Member of the Royal Institution of Surveyors Malaysia (RISM) – Reg. No: G8224

## Teaching and Learning

Degree, July 2009 – current (Bachelor of Quantity Surveying)

## Student Supervision

### **2023**

1. A Study on the Consequences of Rising Housing Prices in Bintulu, Sarawak – Awangku Muhammad Khaidir Awang Sakawi
2. A Study on the Types of Social Media Used in Construction Project Management: A Case Study of LRT Shah Alam Line Construction – Muhammad Shazrul Fitri Shahazael
3. Issues on Why Local Construction Workers are Reluctant to Work in Construction Industry – Nor Emylia Yusrieza Yusri
4. The Impact of Sewerage Treatment Plant Construction Project to Public – Nur Haziqah Mohamed Shuhaimi
5. Facilities Management and Maintenance of UiTM Shah Alam Residential College: Students' Perceptions - Nur Natasha Khairul Aswat
6. The Common Causes of Defects in Terrace House Projects During Defects Liability Period (DLP) - Absyar Azman
7. The Drawbacks of Overhang Landed Property on the Construction Industry and the Construction Players – Siti Zaleha Mohd Jaafar
8. Safety Measures Preparations in Building Construction Towards Natural Disasters in Malaysia - Izzah Syahirah Mohamed Din
9. Implementation of Risk Management in Affordable Housing Projects in *Klang* Valley – Nur Nuha Adnan

### **2019**

10. BIM Approach Incorporated in QS Programme by Universities in Malaysia – Muhammad Isamuddin Rusland
11. A Study on Telework in QS Consulting Firms – Zahira Marlina Hasbul Hazani
12. Adequacy and Fire Risk Control of Fire Protection System in Hospital Buildings – Nur Amira Syafiqah Rosmizan
13. Customer's Satisfaction on the Facilities of Shopping Malls Around East Coast, Malaysia – Nur Azimah Jaafar
14. A Comparative Study on The Safety Inspections of Vertical Transportation for Civil Engineering Buildings - Nurul Nabilah Zulkefle
15. A Study on the Implementation of Drone in Construction Industry by Contractors – Nur Syahirah Abdul Halim

### **2018**

1. Procurement Method Comparative Studies Between Prison Building and Other Government Buildings – Haslinda Hasanuddin
2. The Level of Awareness Among Small Medium Size Contractors towards BIM Implementation in Malaysian Construction Industry – Nurul Amiera Ibrahim
3. Challenges on Remedial of Minor Defects Prior to the Issuance of Certificate of Practical Completion - Mazlina Rosli
4. The Impacts of Petronas Twin Towers Towards Tourism Industry in Malaysia - Nur Syaza Samsudin

### **2017**

1. On Going Rail and T.O.D. Factors: Developers' Perspectives - Nur Nadia Syafiqah Mohd Nazri
2. A Study on the Salary Pay to Foreign Workers of Five (5) Different Trades and Three (3) Different Regions - Mohamad Hazim Ishak
3. Netizen's Perspective on Construction of LRT Bandar Utama – Klang Line - Amira Ezzate Ab. Wahab
4. Traffic Management Control in Construction of MRT Kajang Area, Selangor - Nur Fatiha Zamri  
Improving Productivity in Construction Through JIT in Site Management - Fredy Anak Daniel

## **2016**

1. Comparative Study of Preliminary Estimate of Construction Projects - Nor Azlin Abd. Aziz
2. A comparative Studies on Seaside Buildings: A Study on Defects - Nasirah Mohammad Jais
3. Land Surveying Involvement in Different Construction Projects – Hazwan Muharam
4. Extension of Time for Oil and Gas Projects – Nabiha Abd. Rashid
5. A Study on the hand Over Vacant Possession Procedures in Property Organisations - Noor Hafidza Shafaren Mohd Rozi
6. Construction Insurance Requirement and Practices in Malaysia - Muhammad Amirul Azri Zainal

## **2015**

1. The Competency of Site Supervisor in Malaysia Construction Industry – Fatin Asifa Ismail
2. The Perception of Local Vocational Students Towards Working in Construction Industry in Malaysia – Muhammad Ibrahim Idris
3. Enhancing Individual Hard Skills and Soft Skills from the University Students’ perspectives – Mohd. Tarmizi Ramli
4. Readiness for Construction Players on GST – Fatin Nur Baizura Md. Salleh
5. Awareness of BIM in the Malaysian Construction Industry – Mohammad Hazri Bidin
6. Positive Effects of BIM Towards QS Professions – Nurul Syafiqah Suhaimi

## **2014**

1. Challenges of Implementing Spantech Construction System in Malaysia Construction Industry – Nik Azeem Nik Man
2. Demolition Work for MRT Project Under V8 Package – Nur Ain Abd. Manaf
3. Quality Measures of Housing Projects During the Defects Liability Period – Siti Afiqah Awang
4. Contract Management Skills for Career Development Success of Quantity Surveyor Graduates – Nur Amalina Ahmad Fuad

## **2013**

1. Readiness of Contractors to Face Defects Liability Period - Anis Adila Md Aris
2. A Study on the Performance of Practical Training Students in Quantity Surveying Firms Compared to Contractor’s Organisations - Nur Fazilah Mohd Nasir
3. Dispute Resolution: A Comparison Between FIDIC and OPAM Standard Forms of Contract - Jassmine Joanne Anak Ahi
4. A Study on Critical Success Factors For Perbadanan Kemajuan Negeri Selangor (PKNS) Projects - Norhalis Hamidi
5. The Evolution of Contractual Arrangements in Malaysia - Marziah Abdul Halim
6. Malaysia Timber Exhibition Centre, Mukim Tebrau, Johor: A Study on the Design, Construction and Cost - Munira Othman
7. Quantity Surveyor’s Involvement in Angkatan Tentera Malaysia (ATM) - Ruth Ejau
8. Consequences on the Contract Upon the Imposition of Liquidated Damages - Mohammad Tajudin Saidin

## **2012**

1. Design, Cost, Construction and Flaws of Cornice and Dome - Ahmad Fathin Zulelmy
2. A Comparative Study of Project Managers in the Construction Industry - Muhammed Fidzri Syafeeq Abu Kasi
3. PFI: The roles and Understanding Amongst Construction Contractors - Hazwani Fatin Md Azhar
4. A Study on Design, Construction and Cost of Government Building: The Headquarters of Attorney General Chambers (AGC) Precinct 4, Putrajaya - Nur Nazahiyah Abdul Hadi
5. Construction and Cost of Pengkalan Polis Marin at Port Klang, Selangor Darul Ehsan - Norelmi Najiha Ismail
6. The Demand Criteria of Quantity Surveyor in Contractor’s Organisation - Aimi Safawati Fuad
7. Modern Formwork System – Plastic Formwork (Pecaform) - Ahmad Effendisyah Shaharani

8. The Management of Delays to School projects - Fatin Nadia Mohd Sabri
9. An in Depth on the Feasibility and Application of Intelligent Glass Façade - Muhammad Firdaus Abdul Razak

### **2011**

1. A Study on Reasons, Procedures and Costs Arising from Termination - Suhanna Nadia Mohamad
2. Construction Industry Master Plan (CIMP) 2006-2015: The Awareness and Effects to Contractors in Sarawak - Nina Rabaia AK Edward
3. Quantity Surveyor as Arbitrator: Roles and Challenges - Noor Hidayah Mat Yazid
4. The Potential and Performance of Rail Climbing System as Scaffolding Alternative – Faizuddin Mohamad Yunos
5. The Importance of Information in Preparation of Feasibility Study to the Building Team - Nursazwaziha Salehudin
6. Tendering Design and Build Projects – Issues and Challenges - Mohd Zuraidy Saad
7. Design, Construction and Cost for Futsal Courts in Malaysia - Abdul Harith A.Halim
8. A study on the Construction and Cost of Polymer Modified Asphalt (PMA) Concrete Road Pavement – Nabilah Ibrahim
9. A study on the Understanding of Design & Build amongst Construction Consultants - Nursyuhada Ibrahim
10. Common Defect Works During Liability Period at Building School for Conventional and Design & Build Construction - Norhanizan Mat Alit
11. Comparison of Quantity Surveying Degree programme Student on Industrial Training in Public and Private Sectors - Mohammad Farid Mat Shari

### **2010**

1. A Comparative Study of Maintenance Management for Intelligent Buildings : Menara Mesiniaga and Menara Bank Pembangunan - Jayyidah Muhamad@Mohd Atallah
2. Implementation of Knowledge Management amongst Consultants - Nurrulliza Taib
3. A Study on the Awareness of Loss and Expense Claims amongst Contractors in Malaysia - Norashikin Zulkafli
4. Comparison and Analysis of Arbitration Clauses in the Standard Form of Contracts - Alia Suhaili Surkery
5. Strategies of Main Contractors to Select Sub-Contractor - Nurul Fadhilah A.Aziz
6. The Contractual Issues between Main Contractor (MC) and Nominated Sub-Contractor (NSC) - Nor Syuhadah Mahad

### **2009**

1. The Application of Building Control System in Bangunan Sultan Iskandar, Johor Bahru, Johor – Amirul Mukmin
2. Recruitment Strategy in Quantity Surveyor Firm – Nor Halawati Nazri

## **Publications**

### **Paper in Indexed Journal (SCOPUS/ISI)**

1. **Alwee, S.N.A.S.**, Zulkafli@Zulkify, U.K., Salleh, H. (2023). Contract administration practices on building information modelling (BIM)-based construction project – an exploratory study. Facilities (Emerald Publication), 0263-2772, DOI 10.1108/F-10-2021-0094.
2. **Alwee, S.N.A.S.**, Salleh, H., Zulkafli@Zulkify, U.K., Abu Bakar, A.R. (2023). BIM-based Design and Construction Deployment Among Project Stakeholders from the Aspect of Contract Administration. New Design Ideas (Jomard Publishing), Vol. 7, No. 2, 2023. Pp. 305-323.

3. **Alwee, S.N.A.S**, Salleh, H. and Zolkafli@Zulkify, U.K. (2021). Process Protocol for Building Information Modelling (BIM) Contract Administration in Malaysia – A Concept Paper. Malaysian Construction Research Journal, Vo. 12, Special Issues, pp. 37-52.
4. **Alwee, S.N.A.S.**, Zolkafli@Zulkify, Salleh, H. (2023). A Comparative Study on Building Information Modelling (BIM)-Impacted Provisions in the Malaysian Standard Forms of Contract. International Journal of Legal Affairs and Dispute Resolution in Engineering and Construction (ASCE) - *In Review*
5. **Alwee, S.N.A.S**, Zolkafli@Zulkify, Salleh, H., Abd. Jamil, A.H. (2023). Legal and Contractual Impediments in Building Information Modelling (BIM)-based Application – The Systematic Literature Review. International Journal of Construction Supply Chain - *In Review*

### **Paper in Refereed Journal**

1. **Alwee, S.N.A.S.**, Salehudin, N., Mohamed Sabli, N.A., Janipha, N.A.A., Maisham, M. (2019). The Importance of Information in the Preparation of Feasibility Study for Construction Development. Voice of Academia (VOA), 14(1), pp. 64-73
2. Mohamed Sabli, N.A., Razali, M.A.H.S., **Alwee, S.N.A.S.**, Maisham, M. (2019). The Awareness of Life Cycle Costing Among Architects. Voice of Academia (VOA), 14(1), pg. 53-63.
3. Nasir, N.M., Ismail, Z., **Alwee, S.N.A.S.** Mat, M.C. (2012). Enabling Factors Towards Safety Improvement for Industrialised Building System (IBS). International Journal of Architectural and Environmental Engineering, 6(12), pg. 1115-1120.

### **Conference Paper**

1. **Alwee, S.N.A.S**, Salleh, H., Zolkafli@Zulkify, U.K., Abd. Jamil, A.H. (2023). Thematic Review on The Current Trends of Contractual Barriers and Challenges Concerning Building Information Modelling (BIM). 3rd International Conference on the Built Environment and Engineering (IConBEE) 2022. AIP Conf. Proc. 2881, 050007-1–050007-8; <https://doi.org/10.1063/5.0167801>.
2. Mahat, N.A.A., **Alwee, S.N.A.S.**, Adnan, H., Hassan, A.A. (2019). Propelling Green Building Technologies Adoption in Malaysian Construction Industry. In IOP Conference Series: Earth and Environmental Science 233(2).
3. Janipha, N.A.A., **Alwee, S.N.A.S.**, Mohd Ariff, R. and Ismail, F. (2018). Maintenance and Safety Practices of Escalator in Commercial Buildings. In IOP Conference Series: Earth and Environmental Science 117 (1).
4. Samsuddin, N., Takim, R., Nawawi, A.H., Rosman, R., **Alwee, S.N.A.S.** (2018). Non-structural components Influencing Hospital Disaster Preparedness in Malaysia. IOP Conference Series: Earth and Environmental Science, 140(2018).
5. Samsuddin, N.M., Takim, R., Nawawi, A.H., **Alwee, S.N.A.S.** (2018). Disaster Preparedness Attributes and Hospital's Resilience in Malaysia. Procedia Engineering, 212, pg. 371-378.
6. **Alwee, S.N.A.S.**, Hashim, H., Maisham, M., Mahat, N.A.A., Ahmad, N. (2016). Cost-related Issues in Malaysian Construction Contracts. Proceedings of the 2nd International Colloquium of Art and Design Education (i-CADER 2015). Pg. 473-485.
7. **Alwee, S.N.A.S.**, Maisham, M., Hashim, H., Mahat (2014). Peculiar Issues on the Time-related Clauses of Malaysian Construction Contracts. IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2014).

8. Mahat, N.A.A., Ahmad, N., **Alwee, S.N.A.S.** (2013). Managing Financial Sustainability of Construction Project through Strategic Management of Brief and Change Order. IEEE Symposium of Humanities, Science and Engineering Research (SHUSER 2013).
9. Ahmad, N., **Alwee, S.N.A.S.**, Maisham, M. (2011). Important of Client Attributes that Influence Project Success: A Focus on the Briefing Process. IEEE Symposium on Business, Engineering and Industrial Applications (ISBEIA 2011).
10. **Alwee, S.N.A.S.**, Hassan, P., Ramli, H., Maisham, M. (2011). Bloom's Taxonomy in the Provision of Quantity Surveying Degree Programme. IEEE Symposium on Business, Engineering and Industrial Applications (ISBEIA 2011). Pg. 431-436.
11. **Alwee, S.N.A.S.**, Adnan, H., Hamin, Z. (2011). Challenges to the Arbitration Award: Legal Perspectives from the UK Construction Dispute Cases. 6th International Conference on Construction in the 21st Century (CITC-VI). Pg. 656-668.
12. **Alwee, S.N.A.S.**, Ndekugri, I., Maisham, M. (2010). Issues on the Enforceability of An Arbitration Agreement Incorporated in A Standard Form of Contract Referred to in the Letter of Intent-the UK Experience. National Postgraduate Seminar (NAPAS 2010).

#### **Chapter in Book, etc.**

1. **Alwee, S.N.A.S.**, Mohamed Sabli, N.A., Salehudin, N., Mahat, N.A.A., Maisham, M. (in progress since 2019). Feasibility Study in Construction Project Development. FSPU Chapters in Book project.

## **Research Grants and Contracts**

1. **Alwee, S.N.A.S.**, Takim, R., Rosman, M.R. Disaster Safety Index Level of Public Hospitals for Achieving Disaster Resilience in Malaysia. iRAGS Grant (UiTM). File No: 600-RMI/RAGS 5/3 (34/2015). December 2015 - May 2018. Grant awarded: RM20,000.00. (Principal Investigator, Completed).
2. **Alwee, S.N.A.S.**, Hashim, H., Maisham, M. Investigating the Current Understanding on Various Standard Forms of Contract in Managing the Public and Private Sector Construction Projects. RIF Grant (UiTM). File No: 600-RMI/SSP/DANA 5/3 RIF (618/2012). 1 Nov 2012 – 31 Oct 2014. Grant awarded: RM32,000.00. (Principal Investigator, Completed).
3. Zaini, N. A; Takim, R., **Alwee, S.N.A.S.** Sustainable Green Construction Infrastructure Model. FRGS Grant (UiTM). File No: 600-RMI/FRGS 5/3 (37/2012). April 2012 – October 2014. (Member, Completed).
4. Mahat, N.A.A., **Alwee, S.N.A.S.**, Ahmad, N., Nasir, M.N. The Management of Brief and Change Order of UiTM Construction project. Dana Pembangunan (UiTM). 1 Feb 2011 – Feb 2014. Grant awarded: RM 25, 000.00. (Member, Completed).
5. **Alwee, S.N.A.S.**, Hassan, P., Ramli, H. A Study on the Compliance of Bloom's Taxonomy in the Provision of Bachelor of Quantity Surveying (Hons.), UiTM. Dana Kecemerlangan (UiTM). 1 Nov 2010 – 31 Oct 2011. Grant awarded: RM5,000.00. (Principal Investigator, Completed).

## Consultation & Expertise

1. Forum Kebangsaan Kontraktor-Kontraktor Melayu (FKMMM 2013) - UiTM-Pusat Kontraktor Melayu Malaysia, Committee.
2. Forum Kebangsaan Kontraktor-Kontraktor Melayu Malaysia (FKMM 2011), Committee.
  - Grant awarded: RM66,000.00
  - UiTM-Pusat Kontraktor Melayu Malaysia
3. 6th International Conference in the 21st Century (CITC VI 2011), Committee:
  - Grant awarded: RM500,000.00
  - East Carolina University, USA
4. National Seminar in Built Environment (NSiBE 2011), Committee:
  - Grant awarded: RM350,000.00
  - UiTM
5. Building Contract Administration Course (Staff Training), Contractual Talk on Extension of Time and Variation, PKNS Engineering Construction Berhad (PECB), 19 October 2013, PECB Training Room, Shah Alam, Trainer.
6. Reviewers for conference proceedings and journals (ICONBEE Conference, 2022; Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2022; International Journal of Sustainable Construction Engineering and Technology, 2022; 2020).

## Innovation, Commercialization & Entrepreneurial

1. Building Information Modelling (BIM) Empowerment in Contract Administration: "Navigating Issues Crafting Solutions" – BIM Research Competition organized by Public Work Department (PWD), 2023.
2. Greywater Harvesting System for Masjid & Musolla (IID FSPU 2012)
3. "BWR Apps" - A Building Rates Data Application (IID Johor 2013)
4. Measuring Readiness for Successful Information Technology/Information System Project Implementation: A Conceptual Model (IID Johor 2013)
5. Building Information Modelling (BIM) Approach Incorporated of Quantity Surveying Programme Amongst Universities in Malaysia (Gold award)
  - Exhibition: QSRI (2019)
  - Student: Muhamad Isamuddin Rusland
5. A Comparative Study on the Safety Inspections of Vertical Transportation for Civil Engineering Building (Gold award)
  - Exhibition: QSRI (2019)
  - Student: Nurul Nabilah Zulkefle

## Services & Administration

1. FSPU Student Coordinator (UiTM), 2013 – 2015
2. FSPU Research Management Unit (RMU) Member, 2009 – 2019
3. CSQS Coordinators
  - Practical Training (2009 – recent)
  - QS Alumni (2023 – recent)
  - QS Business Development (2023 -recent)
  - Syllabus Review (2010 – 2019)
  - Welfare (2015 – 2019)
4. Resource Person for BQS507 (Construction Law II) (2023 – recent)
5. Resource Person for QSM/BQS 457 (Construction Law I) (2015 – 2019)

## Work and Collaboration Experience

1. Assistant Quantity Surveyor, PKNS Engineering and Construction Berhad (PECB), 2005 – 2007: Tender Proposal and Documentation, Tender Evaluation & Report (for subcontractors), Claims and Payments, Variation and Final Account.
2. Contract Executive, Basar & Harun Sdn. (2005): Feasibility Study, Tender Documentation and Payments and Certifications.

## Awards & Recognitions

Recipient of *Anugerah Perkhidmatan Cemerlang*, UiTM 2015

## Contribution to Society

1. Alumni Talk with students at Sekolah Menengah Teknik Cheras Kuala Lumpur, September 2023, Speaker.
2. CSR Ihya' Ramadhan with UiTM QS Students, April 2023, Lecturer.
3. QS Sport Day, UiTM, May 2023, Lecturer.
4. Programme of QS Registration Scheme (PQRS) organised by BQSM & RMU FSPU UiTM Shah Alam at Dewan Sri Budiman, UiTM Shah Alam, 2016, Committee.
5. 'Perfecting My Solah' Course organised by RMU FSPU UiTM Shah Alam & Pertubuhan Al Khadeem at Masjid Sultan Mizan Zainal Abidin, UiTM Shah Alam, 2013, Committee,
6. FSPU Alumni Homecoming Seminar organised by UiTM at Dewan Agung Tuanku Canselor, UiTM Shah Alam, 2014, Committee.
7. Programme of Jalinan Kasih organised by FSPU UiTM Shah Alam at UiTM Shah Alam, 2014, Committee.
8. '*Program bersama Gelandangan*' organized by MPP FSPU UiTM at Bangsar Kuala Lumpur, 2014, Student Coordinator.

## Other Activities

1. "Celebrating Women in Construction: Keep Calm and Break the Ground", organised by PMUB UiTM, December 2023, Committee.
2. 2nd Construction Industry Research Achievement International Conference (CIRAIC 2009), International, 2009, Committee.
3. Inventions, Innovation & Design (IID FSPU), Faculty, 2010, Committee.
4. Management in Construction Researchers Association 2010 Conference (MICRA 2010), National, 5-6 October 2010, Committee.
5. The Quantity Surveying International Convention (QSIC) 2010, National, 12-13 October 2010, Committee.
6. National Seminar in Built Environment (NSiBE 2011), National, 13-14 April 2011, Committee.
7. Invention, Innovation & Design Competition (IID FSPU 2012), Faculty, 21 November 2012, Committee.
8. Invention, Innovation and Design (iideX 2013) FSPU, Faculty, 4 Disember 2013, Committee.
9. 1st International Conference of Research Methodology in Built Environment (ICRM BEE),
10. International, 17-18 December 2013, Committee
11. Quantity Surveying International Conference (QSIC 2015), International, 20-21 October 2015, Committee.
12. Invention, Innovation & Design Competition (IIDEX 2015), Faculty, 1 April 2015, Committee.
13. 2nd International Conference of Research Methodology in Built Environment (ICRM BEE), International, 7-8 October 2015, Committee.
14. Simposium 1000 Kontraktor dan Usahawan Bahan Binaan Bumiputera 2015, National, 3-4 November 2015, Rapporteur.

15. Invention, Innovation & Design Competition (IIDEX 2016), Faculty, 25 Mei 2016, Committee.
16. Programme for International Quantity Surveying Academic Forum' (IQSAF 2018), International, 21 Oktober 2018, Committee.