

ANIS ROSNIZA NIZAM AKBAR (Dr)

Senior Lecturer

Quantity Surveying,
School of Construction & Quantity Surveying,
College of Built Environment (CBE)
Universiti Teknologi MARA,
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Selangor, Malaysia.

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Areas of Expertise

Standard Method of Measurements (SMMs), Workspace Planning, Facilities Management, Building Maintenance & Management & Shariah and Built Environment

Google scholar link: <https://bit.ly/3oIm0PH>

Research Gate Link: <https://www.researchgate.net/profile/Anis-Rosniza>

Academic Qualifications

PhD in Built Environment, 2018, University of Technology MARA

Master of Science in Facilities Management, 2011, University of Technology MARA

Bachelor of Quantity Surveying(Honours), 2009, International Islamic University Malaysia

Professional Members

1. Board of Quantity Surveyor Malaysia (BQSM), Member, 2019-current
2. Malaysian Board of Technologies (MBOT) Member, 2019-current

Teaching and Learning

1. Measurement of Construction Works
2. Shariah and Built Environment
3. Construction Economics
4. Construction Technology

5. Principles of Economics
6. Applied Studies

Student Supervision

Phd

- 1) Siti Asmiza Binti Muzafar P96963, Model Struktural Penerimgunaan Kaedah Pengukuran Standard Kejuruteraan Awam Dalam Projek Pembinaan Di Malaysia, Co-Supervisor, Completed
- 2) Vivian Anne Thomas Tarang 2016650862, Strategic Business Model Framework for Industrial Building System (IBS) Small Medium Enterprise (SME) Contractors, 20204, Co-Supervisor, On going
- 3) Hou Jialin 2022884046, Optimization Strategy of Public Open Space In Rail Transit Station Area Based On Low-Impact Development, Main Supervisor, On Going

Degree

- 1) Nurul Damia Binti Amran 2017609336, A Study on The Usage of Radio Frequency Identification (RFID) Technology for Material Management in Construction Project, 20192, Main Supervisor, completed
- 2) Wan Nur Athirah Binti Wan Mohd Rusdi 2017488766, The Implementation of Performance-Based Contract in Maintenance Management of Government Buildings in Putrajaya, 20192, Main Supervisor, Completed
- 3) Siti Aminah Binti Ismail 2017488502, The Issues and Challenges of Women Employability in Malaysian Construction Industry, 20192, Main Supervisor, Completed
- 4) Nuur Aina Binti Zainal Abidin 2016596147, Maintenance Management of Stadium in Malaysia: A Case Study, 20192, Main Supervisor, Completed
- 5) Nur Syamimi Husna Binti Mohd Solah 2017609214, Enhancing Women Leadership in Malaysia Construction Industry, 20192, Main Supervisor, Completed
- 6) Siti Noor Ameerah Binti Md Ali 2017488838, Enhancing Smart Grid as An Intelligent Networks in Malaysian Construction Industry, 20192, Main Supervisor, Completed
- 7) Wan Norfareena Binti Wan Ali 2017488834, Competences of Women Contractor's in Malaysia Construction Industry, 20192, Main Supervisor, Completed
- 8) Muhamad Syafiq Husaini Bin Razak 2017306323, The Minimisation Of Fire Accidents Rate in Malaysia, 20192, Main Supervisor, Completed
- 9) Nurul Syafika Hanis Binti Rahimmuddin 2016408826, The Challenges on Implementing QLASSIC for PRIMA/SPNB, 20192, Main Supervisor, Completed
- 10) Ain Azurin Khaliqah Binti Arbaen 2016730433, Critical Success Factors Contributing to The Smooth Running of The Projects Among G7 Contractors in Selangor, 20192, Main Supervisor, Completed
- 11) Noor Azira Binti Ramlan 2017465112, Users Satisfaction on Learning Spaces at Public Higher Institution in Malaysia, Main Supervisor, Completed
- 12) Rafidah Binti Aziz 2016565389, Water Supply Distribution System in Kuala Langat, 20194, Main Supervisor, Completed
- 13) Amira Khairina Binti Aminudin 2017626594, The Practicability of QLASSIC Assessment in Residential Development, 20194, Main Supervisor, Completed
- 14) Dhia Imanina Binti Affandi 2018249482, Impact of Green Building Rating Systems on Efficiency of Green Building, 20194, Main Supervisor, Completed

- 15) Anilah Hanun Binti Kamal Zaim 2017626688, Opportunities and Challenges in Adopting Sustainable Construction in Pahang, 20194, Main Supervisor, Completed
- 16) Nurul Najihah Ezzati Binti Kamaruddin 2017626744, The Challenges of Virtual Learning Among Students in Higher Education, 20194, Main Supervisor, Completed
- 17) Muhammad Azim Bin Azmi 2018820718, Affordability of Low-Cost House: From B40 Group Perspective, 20194, Main Supervisor, Completed
- 18) Muhammad Ammar Najmi Bin Mohd Anuar 2019145249, A Study of Lack of Affordable Public Housing Schemes in Malaysia, 20204, Main Supervisor, Completed
- 19) Abdul Azri Bin Abdul Manah 2019717515, The Suitability Scope of Work to Achieving Effectiveness on Industrial Training Programme In Bachelor of Quantity Surveying, 20204, Main Supervisor, Completed
- 20) Nurul Ariffah Binti Idris 2019717385 Student Satisfaction on Accommodation and Facilities Provide by Malaysia Public University, 20204, Main Supervisor, Completed
- 21) Insyirah Binti Azman 2019608456, Issues of Maintenance Management in Highrise Residential Buildings, 20204, Main Supervisor, Completed
- 22) Siti Noraishah Binti Ibrahim 2018276796, The Appropriate Type of Facilities Management System for Commercial Buildings in Johor, 20204, Main Supervisor, Completed
- 23) Aimi Nadhirah Binti Amir Hamzah 2019689234, An Assessment of Building Failure of Low-Cost Building in Malaysia, 20204, Main Supervisor, Completed
- 24) Wan Muhammad Farid Isyraf Bin Wan Sahimi 2019495472, Local Contractor's Perception on Implementation of Industrialized Building System (IBS) In Malaysia, 20204, Main Supervisor, Completed
- 25) Mohd. Amir Azizuddin Bin Nor Hisham 2019802326, Green Technology Implementation In Commercial Building: A Case Study Of IOI Properties, 20204, Main Supervisor, Completed
- 26) Izzat Ikhwan Bin Azman 2019653716, A Study on Design Construction and Cost of Bunga Pakma- A Offshore Platform Structure, 20204, Main Supervisor, Completed
- 27) Siti Nur Munirah Binti Muzaffar 2018223738, Internet of Things (IOT) Applications in Facilities Management, 20204, Main Supervisor, Completed
- 28) Harith Zaim Bin Nordin 2020963515, The Readiness of Quantity Surveying Students Before Going to Industrial Training 202102, Main Supervisor, Completed
- 29) Hareez Shazwan bin Hariri 2020970551, Quantity surveyor student's skills development for employability 202102, Main Supervisor, Completed
- 30) Nur Shafiqah Binti Almi 2020970695, The Impact of The Aeon Mall Station 18 Existence to The Neighbourhood Area, Main Supervisor, Completed
- 31) Farid Hamidi Bin Mohd Shahar 2020991477, A Study On The Challenges Faced Among QS Students During Their Industrial Trainings 202102, Main Supervisor, Completed
- 32) Nurul Nabila Binti Zambari 2019416122, Quantity Surveyor graduates' employability and preparedness: Bringing the gap between employers and graduate's inside, Main Supervisor, Completed
- 33) Siti Zubaidah Binti Wahab 2020885086, Demand and Challenges of Future Quantity Surveyor (QS) Profession, Main Supervisor, On Going
- 34) Nur Zafirah bt. Zakaria 2019268574, A Study of Smart Facilities in Educational Building, Main Supervisor, Completed
- 35) Nurhanis Nadhirah bt Ramli 2020452708, Occupational Stress Among Junior Quantity Surveyor in QS Firm, Main Supervisor, Completed

- 36) Nur Natasha Binti Badrul Sham 2019290334, Impact of Covid19 Towards Construction Progress in Malaysia, Main Supervisor, Completed
- 37) Nurarina Syifa Bt Shamsuri 2020816274, The Importance of Urban Facility Management from Facility Manager's Perspectives, Main Supervisor, Completed
- 38) Aiman Muzammil Bin Mat Kael 2021483198, Safety Risk Issue in Modular Construction For Ibs In Malaysia Construction Industry, Main Supervisor, Completed
- 39) Alya Binti Mohd Fadzil 2021614988, Leak Detector System in Johor Water Distribution Networks, Main Supervisor, Completed
- 40) Hanie Tasnim Binti Mohd Zamani 2021482962, Building Information Modelling (Bim) Education Readiness Perspective of Quantity Surveying Students, Main Supervisor, Completed
- 41) Muhammad Aiman Bin Asnawi 2021621966, Challenges and Benefits: A Study On Comparison Of Quantity Surveyor Working At Consultant And Contractor Firm In Selangor, Main Supervisor, Completed
- 42) Nawar Athirah Nafis Binti Hamdan 2021832668, Critical Success Factor to Become Competitive Contractor company in Malaysia Construction Industry, Main Supervisor, Completed
- 43) Wan Nur Syafiqah Bt Abdul Jalil 2021491746, High Rise Building Construction in Urban Area: Issues and Challenges, Main Supervisor, Completed
- 44) Syarifah Nur Aqilah Huda Binti Syed Mahdi 2021868432, Assesment of Fire Risk Management in Educational Buildings In Malaysia, Main Supervisor, Completed
- 45) Wan Ahmad Harith Bukhary Bin Wan Azmi 2021483022, The Impact of Computer-Aided Measurement (Cam) Application to Enhance the Quantity Surveyors Productivity in Malaysia Construction Industry, Main Supervisor, Completed
- 46) Nur Athirah Binti Omar 2021832686, The Effects of Workplace Environment Towards Safety and Healty Management on Construction Site, Main Supervisor, Completed
- 47) Audray Reja Anak Bujang 2022787191, The Potential Strategies for Adopting Fourth Industrial Revolution Through Digitalization in Construction Companies In Malaysia, Main Supervisor, On Going
- 48) Anisah Binti Che Aziz 2022745545 Industrial Revolution 4.0 (IR 4.0): The Challenges in Implementation Digitalization Technology, Main Supervisor, On Going
- 49) Muhammad Afif Syahin Bin Saman 2022935583, Effective Communication Strategies Among Foreign Labour, Main Supervisor, On Going
- 50) Nur Dania Binti Harry 2022745459, Malaysian Standard Method of Measurement (Smm2) Desirable Feature in Meeting Industry Quality Standard, Main Supervisor, On Going
- 51) Safia Nur Dinie Binti Lukman Hakim 2022809854, Flood Mitigation Strategies in Selangor: A Comparative Studies, Main Supervisor, On Going
- 52) Siti Nur Aqilah Binti Norhairy 2021453812, A Study on The Factors and Effective Methods Of Repairing Potholes In Klang Valley Roads, Main Supervisor, On Going
- 53) Anissa Binti Rusli 2021600766, Improving Worker's Safety in Heavy Engineering Construction In Malaysia: An Evaluation Of Innovative Safety Practices And Technologies, Main Supervisor, On Going
- 54) Nur Ain Husna Binti Rosly 2022830306, Challenges in The Implementation of Floating Structures For Sustainable Development In Malaysia, Main Supervisor, On Going
- 55) Abid Balqis Bt Mohd Kharuddin 2021839548, 5g And Beyond for Rural Connectivity: Challenges & Opportunities, Main Supervisor, On Going

Publications

- 1) **Anis Rosniza Nizam Akbar**, Siti Nor Azniza Ahmad Sekak, Shariffah Zatil Hidayah Syed Jamaludin, Suzana C. Alih and Siti Rashidah Hanum Abd Wahab (2023). A Common Single Standard Method of Measurement (SMM) For ASEAN Countries: An Academic Perspective. Malaysian Construction Research Journal (MCRJ). 19 (2), 22-34.
- 2) Siti Nor Azniza Ahmad Sekak , **Anis Rosniza Nizam Akbar** , Yusmady Md Junus , Umi Kalsum Zolkafli@Zulkifly & Sri Rahayu Mohd Sa'ad (2023) .The Employers' Expectation Towards Soft Skills Competencies of Quantity Surveying Graduates in Malaysia. Malaysian Construction Research Journal (MCRJ). 19 (2), 198-209.
- 3) Siti Nor Azniza Ahmad Sekak, Suzana C. Alih, **Anis Rosniza Nizam Akbar**, Ummu Afifah Izzati Hasni & Sri Rahayu Mohd Sa'ad (2023). Construction Industry Productivity: The Potential of the Internet of Things (IoT). International Journal of Business and Technology Management (IJBTM). 5(4) , 44-57.
- 4) Siti Rashidah Hanum Abd Wahab, Nurul Nabila Mohd Sahri, Faudzi Muhammad, Nurulhudaya binti Abdul Hadi, Balkhiz Ismail & **Anis Rosniza Nizam Akbar** (2023). The Validity and Reliability of the Theory Behind BIM Adoption in The Facility Management Using PLS-SEM. Online Journal for Tvet Practitioners. 8(3),51-64.
- 5) Norsyazwana Jenuwa, Norhafizah Yusop, Wan Norizan Wan Ismail, **Anis Rosniza Nizam Akbar**, Siti Sarah Mat Isa (2023). Facility Manager's Competency in Malaysia's Hospital Construction. International Journal of Academic Research in Business and Social Sciences, 13(3), 969 – 977.
- 6) Norsyazwana Jenuwa, Norhafizah Yusop, Wan Norizan Wan Ismail, **Anis Rosniza Nizam Akbar**, Siti Sarah Mat Isa (2023). Kerangka Kerja Kompetensi Pengurus Fasiliti Hospital Diperingkat Pra-Pembinaan Di Malaysia. Penyelidikan Dalam Pengurusan Teknologi Dan Organisasi. Kuala Lumpur: Kaizentrenovation Sdn Bhd,pp 36-42.
- 7) Siti Rashidah Hanum Abd Wahab, Nadhrah Aina Roz Foad, Emma Marinie Ahmad Zawawi & **Anis Rosniza Nizam Akbar** (2022). Quality Management on Workmanship for High Rise Building. Journal of Building Performance. 13(1), 1-4.
- 8) **Anis Rosniza Nizam Akbar**, Mohammad Fadhil Mohammad, Siti Nor Azniza Ahmad Sekak, Shariffah Zatil Hidayah Syed Jamaludin, Suzana C. Alih, Siti Rashidah Hanum Abd Wahab and Siti Asmiza Muzafar (2022). A Single Common Standard Method of Measurement (SMM) for ASEAN Countries. Proceedings of the 1st ASEAN Quantity Surveying Association (AQSA) Academic. 39-41.
- 9) **Anis Rosniza Nizam Akbar**, Nurul Najihah Ezzati Kamaruddin, Irma Hanie Binti Ibrahim & Suzana C.Alih (2022). Challenges of Virtual Learning Among Quantity Surveyor Students' in Higher Education Institution. Proceeding of The International Conference on Student's Development and Management (ICSDM 2021).
- 10) Suzana C. Alih,Hasmawati Harun, **Anis Rosniza Nizam Akbar** & Shariffah Zatil Hidayah Syed Jamaludin (2022) .Corporate Social Responsibility (CSR) Reporting by Construction Firms In Malaysia. International Journal Of Accounting, Finance And Business (IJAFB), 7(44), 198 - 208.
- 11) Siti Asmiza Muzafar, Muhamad Azry Khoiry, Mukhtar Abdo Ali Kassem, Noraini Hamzah, Johnson Adafin & **Anis Rosniza Nizam Akbar** (2022). Effected Factors on Standard Measurement Method Adoption in Construction Projects Using SEM Approach. Journal of Engineering, 34 (5), 887-898.
- 12) Vivian Anne Thomas Tarang, Mohammad Fadhil Mohammad, **Anis Rosniza Nizam Akbar** & Mohamed Rizal Mohamed (2022). Pertinent Internal and External Issues in Industrialised Building System (IBS) Construction Business in Malaysia. Built Environment Journal, 19(1), 32-41.

- 13) **Anis Rosniza Nizam Akbar**, Siti Asmiza Muzafar, Mohammad Fadhil Mohammad, & Shariffah Zatil Hidayah Syed Jamaludin (2021). Current Usage of Standard Method of Measurement (SMM): Human behaviour issues. *Environment-Behaviour Proceedings Journal*, 6 (17), 41-47.
- 14) AbdulLateef Olanrewaju, **Anis Rosniza Nizam Akbar**, Nurul Afiqah Azmi & Tan Rui Hong Hong (2021). Procurement of Maintenance Management for Public High Rise Residential Buildings, *Environment-Behaviour Proceedings Journal*, 6(17), 235-240
- 15) Wan Norfareena Wan Ali & **Anis Rosniza Nizam Akbar** (2019). Competencies of Women Contractors in the Malaysian Construction Industry, Shah Alam, Malaysia, Quantity Surveying Research, Innovation QSRI, Centre of studies for Quantity Surveyor
- 16) **Anis Rosniza Nizam Akbar**, Mohammad Fadhil Mohammad, Mysarah Maisham & Eddie Wong Weng Hong (2014). Desirable Characteristics of Malaysian Standard Method of Measurements (MySMMs) in Meeting Industry Quality Standards, *Procedia - Social and Behavioral Sciences*, vol. 202, 2015. doi:10.1016/j.sbspro.2015.08.210
- 17) **Anis Rosniza Nizam Akbar**, Mohammad Fadhil Mohammad, Noor Amalia Talib, Mysarah Maisham (2015). The Implication of the Standard Method of Measurement (SMMs) for Building Works Toward Contractors Works, In: Hassan R., Yusoff M., Alisibramulisi A., Mohd Amin N., Ismail Z. (eds) *InCIEC 2014*. Springer, Singapore.
- 18) **Anis Rosniza Nizam Akbar**, Mohammad Fadhil Mohammad, Norizan Ahmad, Mysarah Maisham (2014). End Users Perception on the Issues Pertaining to the Current Malaysian Standard Method of Measurements (SMMs), *Royal Institution of Surveyor Malaysia, The Malaysian Surveyor*
- 19) **Anis Rosniza Nizam Akbar**, Mohammad Fadhil Mohammad, Norizan Ahmad, Mysarah Maisham (2013). Standard Method of Measurement (SMM): A review of its Importance and Challenges in Quantity Surveying Practice, *Proceeding of the 1st International Conference on Research Methodology for Built Environment and Engineering (ICRMBEE 2013)*
- 20) **Anis Rosniza Nizam Akbar**, Mohammad Fadhil Mohammad, Norizan Ahmad, Mysarah Maisham (2018). Standardization in Construction Environment: Adopting standard method of measurements. *Asian Journal of Behavioural Studies*, 3(12), 147–159. <https://doi.org/10.21834/ajbes.v3i12.131>
- 21) **Anis Rosniza Nizam Akbar**, Mohammad Fadhil Mohammad, Norizan Ahmad, Mysarah Maisham, 2015, Adopting Standardization in Construction Environment: Standard Method of Measurements, *Procedia - Social and Behavioral Sciences* 170 (2015) 37 – 48
- 22) Nahdatul Arm Abd Rani, Mohamad Rizal Baharum, **Anis Rosniza Nizam Akbar**, Abdul Hadi Nawawi, 2015, Perception of Maintenance Management Strategy on Healthcare Facilities, *Procedia - Social and Behavioral Sciences* Volume 170, 272-281.
- 23) **Anis Rosniza Nizam Akbar**, Mohd Fauzee Musa, 2012, Enhancing human interaction of knowledge sharing in higher learning workplace environment, *Procedia - Social and Behavioral Sciences* 35:137–145

Research Grants and Contracts

- 1) **Anis Rosniza Nizam Akbar**, 2021, A Study on The Knowledge Possession of Academic Staff on The Application of Shariah In Built Environment, Geran Penyelidikan Di Bawah Dana Zakat Perniagaan Bank Pembangunan Malaysia Berhad (BPMB), RM5000, Leader, Completed.

Innovation, Commercialization & Entrepreneurial

- 1) Framework in Remodelling New Malaysian Standard Method of Measurements (SMMs), Intellectual Property Right (IP), 2020, Group Leader
- 2) Development Of Elemental Cost Analysis (ECA) Web-Based Application Platform, Gold Innovation Award, 2023, Member
- 3) FASYDEL, Gold Innovation Award, 2023, Supervisor
- 4) FASYDEL, Best Video Innovation Award, 2023, Supervisor
- 5) OMNINAV Backpack, Gold Innovation Award, 2023, Supervisor
- 6) The SAM - F (Solar Air Mist Fan), Silver Innovation Award, 2023, Supervisor
- 7) ECO Artificial Plant (ECO-P), Bronze Innovation Award, 2023, Supervisor

Contribution to Society

1. Pengindahan Landskap Kompleks Tahir Majid, FSPU, AJK, 2019, Monitoring Lecturer
2. Aktiviti Masyarakat Prihatin 2020, Centre of Centre of Studies for Quantity Surveyors, Active Member, 2020, Contribution of donation
3. CSR Ihya Ramadhan, 2023 , Contribution of donation

Other Activities

- 1) Committee of GreenCBE Unit, 2022-2025, Universiti Teknologi MARA
- 2) Committee of CBE Entrepreneurship Unit, 2022-2025, Universiti Teknologi MARA
- 3) Committee of Kelab Kebajikan Kakitangan CBE, 2023-2025, Universiti Teknologi MARA
- 4) RISM universities' representative, 2023
- 5) Board Of Quantity Surveyor Malaysia (BQSM), Active member
- 6) College of Built Environment Research Ethic (REC) Committee for AP779, 2022-2025, Master of Facilities Management, Universiti Teknologi MARA
- 7) Member of Association of Malaysian Environment-Behaviour Researchers, Centre for Environment-Behaviour Studies(cE-Bs), Universiti Teknologi MARA
- 8) Webinar Series Talk on Shariah in Built Environment, Shariah in Built Environment (SiBE) association, Committee Members, FSPU, 2021, Moderator & Webinar Series Talk Committee
- 9) Expert panel for The Workshop On "Development of Social Sustainability Assessment Tool (SocSAT) for Construction Project Life Cycle" under Department of Construction Business and Project Management (CBPM), School of Civil Engineering, College of Engineering, Universiti Teknologi MARA (UiTM)
- 10) Jury in 5th International Building Control Conference (IBCC), 25th – 26th November 2021 , University Malaya.
- 11) Workshop on ATLAS.ti with Dr Anis Rosniza, Centre of Centre of Studies for Quantity Surveyors, 2021, Hand on Trainer
- 12) Workshop on ATLAS.ti with Dr Anis Rosniza, Centre of Centre of Studies for Quantity Surveyors, 2019, Hand on Trainer

- 13) Professional Services for Construction Industry Development Board (CIDB) in Regulatory Impact Analysis (RIA) Mandatory MS 2701:2018 Civil Engineering Standard Method of Measurement, 2019.
- 14) Workshop on ATLAS.ti with Dr Anis Rosniza, Centre of Centre of Studies for Quantity Surveyors, 2020/2021, Hand on Trainer
- 15) Webinar Series Talk on Shariah in Built Environment, Shariah in Built Environment (SiBE) association, Committee Members, FSPU, 2020, Moderator & Webinar Series Talk Committee
- 16) Workshop on ATLAS.ti with Dr Anis Rosniza, Centre of Centre of Studies for Quantity Surveyors, May 2021, Hand on Trainer