

WAN MOHD NURDDEN BIN WAN MUHAMMAD (Sr, Ts.)

Senior Lecturer

Quantity Surveying Studies,
School of Construction and Quantity Surveying,
College of Built Environment (CBE)
Universiti Teknologi MARA,
40450 Shah Alam,
Selangor, Malaysia.

+6013-343 9647

nurdden@uitm.edu.my



Areas of Expertise

Construction Procurement, Facilities Management, Computer Aided Measurement, Lean Construction

<https://scholar.google.com/citations?user=oYH572kAAAAJ&hl=en>

Personal Information

Wan Mohd Nurdden Bin Wan Muhammad
Studies of Quantity Surveying
School of Construction & Quantity Surveying
College of Built Environment

Academic Qualifications

1. Master of Science (Msc.) in Facilities Management, 2013, Universiti Teknologi MARA (UiTM)
2. Bachelor of Quantity Surveying (Hons.), 2010, Universiti Teknologi MARA (UiTM)
3. Australian Matriculation, 2006, International Education Centre (INTEC)

Professional Members

1. Board of Quantity Surveyors Malaysia (BQSM), Professional Quantity Surveyor, 2019-present
2. Royal Institution of Surveyors Malaysia (RISM), Member, 2019-present
3. Malaysia Board of Technologist (MBOT), Professional Technologist, 2018-present
4. Institute of Value Management Malaysia (IVMM), Member, 2018-present

Teaching and Learning

1. Bachelor of Quantity Surveying (2015 – Present)

- Professional Practice III
 - Professional Practice I
 - Measurement of Construction Works III
 - Construction Technology IV
 - Applied Studies I & II
 - Building Services II
 - Computer Aided Measurement (CAM)
 - Computer Aided Design (CAD)
 - Facilities Management
 - Principles of Economics
 - Dissertation
2. Diploma (2013 – 2018)
- Professional Practice I
 - Measurement of Construction Works II
 - Construction Technology III
 - Project
 - Principal of Economics

Student Supervision

1. Muhammad Amirul Fikri Bin Abdul Rahim (2022961743), The Competitive Strategies To Survive As Quantity Surveyor Consultant Firm In Malaysia, September 2023, Main Supervisor
2. Benjamin Edizam Makmur Bin Sarrie (2022793409), The Significance Of Coordination For Precast Concrete Ibs In Sarawak Construction Industry, September 2023, Main Supervisor
3. Khairani Addeen Bin Khairil Anuar (2022787305), The Strategies To Improve The Facility Management In Public Universities, September 2023, Main Supervisor
4. Syed Zulkifli Bin Syed Mohd Puad (2021480392), The Impact Of Risk Management Practices Towards The Organizational Performances In Malaysian, March 2023, Main Supervisor
5. Nadhirah Binti Sulaiman (2021483378), The Impact Of Building Material Price Fluctuations On Construction Project Performance, March 2023, Main Supervisor
6. Nur Hadfina Binti Hassan (2021483282), A Study On Strategies Planning Of Material Management In Contractor Organisation, March 2023, Main Supervisor
7. Muhammad Faris Irfan Bin Muhamad Fadzli (2021855598), Language Barrier Among Foreign Workers In Construction Site, March 2023, Main Supervisor
8. Amy Syazwina Binti Husain (2020601688), Adapting Digitalization For Industrial Training By Quantity Surveying Students, March 2023, Main Supervisor
9. Nureen Adriana Binti Mohd Faizal (2021492336), Issues And Challenges Of Artificial Intelligence (Ai) Implementation In The Malaysian Construction Industry, March 2023, Main Supervisor
10. Nor Arissa Binti Muhamad Yazid (2021852832), The Significance Of Advanced Technology For Efficient Project Planning In Construction Projects, March 2023, Main Supervisor
11. Naim Azwan Bin Azman (2021483272), The Challenges Of Using Advanced Technology For Construction Waste Management In Central Region Of Malaysia, March 2023, Main Supervisor
12. Ili Izzana Binti Ishanuddin (2021622022), The Application Of Technology Software's Adopted In Quantity Surveying Practices In Construction Industry, March 2023, Main Supervisor

13. Alma' Maisurah Mashitah Binti Rosmi (2021483446), Improving Construction Safety with Virtual-Design Construction Technologies, March 2023, Main Supervisor
14. Nur Atiqah Syuhada Binti Abd. Salam (2021393479), A Study on The Challenges Of Implementing Construction Business Faced By Small Contractors In Sarawak Due To The Covid-19 Pandemic, September 2022, Main Supervisor
15. Nurhusna Nabila Bt Mohd Zaki (2021117647), Construction Based on Trust - The Reason and Its Effect, September 2022, Main Supervisor
16. Hanif Azri Bin Abdul Majid (2021112653), A Study on Unethical Behaviour and Conduct In Tendering Process Among Professionals Within The Construction Industry, September 2022, Main Supervisor
17. Nizar Fayyadh Salman Bin Suharizan (2020509967), Strategies to Enhance Graduate Employability Among Quantity Surveying Students, September 2022, Main Supervisor
18. Irdina Athirah Binti Mohd Nasir (2019883726), Implementation of Drone Technology for Maintenance Of High-Rise Buildings In Malaysia, March 2022, Main Supervisor
19. Nurhanisah Binti Khalid (2019685694), A Study on Drone Technology as A new Solution for Improving Construction Sites Inspection, March 2022, Main Supervisor
20. Nurmaisarah Elyza Binti Ziral (2019294966) Foreign Workers Welfare During Covid-19 Pandemic: Employers's Insights, March 2022, Main Supervisor
21. Muhamad Faza Hakimi Bin Ruzaini (2020465338), Strengthening Interaction Between Main Contractor And Subcontractor: Improvement Of Construction Perfomance In Malaysia Construction Industry, March 2022, Main Supervisor
22. Che Hazwina Balqis Binti Mohammad Haiza (2019488538), A Study on How The Malaysian Contractor Are Confronting The Problem Of Lack Of Projects Because Of Covid-19, March 2022, Main Supervisor
23. Muhammad Aiman Bin Kamarudin (2020885064), Covid-19 Impacts Towards Supplychain For G7 Projects, March 2022, Main Supervisor
24. Siti Nor Asmeera Bt Muhammad (2020963357), Issues And Challenges Faced By Quantity Surveyor During Pandemic Situation, September 2021, Main Supervisor
25. William Anak Steu (2020963209), Comparative Study On Waste Management System For Longhouses In Sarawak, September 2021, Main Supervisor
26. Nurul Aqilah Binti Rosdin (2020975509), Challenges Faced By Developer Selling Housing During Pandemic, September 2021, Main Supervisor
27. Muhammad Ikhrum Bin Azhar (2020985979), Project Management Tools Adopted By Contractors In Successful Projects, September 2021, Main Supervisor
28. Ahmad Hazwanuddin Bin Ramli (2019884122), The Readiness With Government Agency In Moving Towards Full Implementation Of E- Tendering, March 2021, Main Supervisor
29. Siti Nurzahidah Binti Ishak (2019608352), Subcontractor Performance Assessment In The Malaysian Construction Industry, March 2021, Main Supervisor
30. Muhamad Aiman Bin Nasir (2019293896), A Study On Thermal Comfort Residential Building In Urban Area (Kampung Baru), March 2021, Main Supervisor
31. Tengku Muhammad Hariz Iqbal Bin Tengku Haruddin (2018216992), BIM Towards Minimizing The Impact On Environment In The Malaysia Construction Industry, March 2021, Main Supervisor
32. Ainun Fikriah Binti Ibrahim (2019653974), Perspective Of Public On Socio-Economic Impact Of Lrt 3 Project In Shah Alam, March 2021, Main Supervisor
33. Dinah Binti Muhd Nordin (2019467818), The Use Of Digitalisation For Building Maintenance In Malaysian Construction Industry, March 2021, Main Supervisor
34. Martina Kedung Anak Angoi (2019582485), Material Supply Chain Management In Construction Project In Sarawak, September 2020, Main Supervisor

35. Siti Norismaliana Binti Che Ismail (2019814694), The Implementation of Industrial Revolution 4.0 Elements in Tender's Requirement, September 2020, Main Supervisor
36. Aida Naqiah Hanim Binti Muhamad (2019126859), The Implementation Of Building Information Modelling (BIM) In Highway Construction: A Case Study Of Pan-Borneo Highway, September 2020, Main Supervisor
37. Nur Haliffah Binti Azman (2019786121), Motivating Quantity Surveyors on Improving Job Performance In Malaysian Construction Industry, September 2020, Main Supervisor
38. Nur Amani Najihah Binti Ariffin (2018403158), Post Occupancy Evaluation (POE) On Private Finance Initiative (PFI) Campus: UiTM Samarahan 2, March 2020, Main Supervisor
39. Nur Husnina Binti Abdul Halim (2017626612), Benefits and Potentials Of Computer Aided Measurement Software: A Study On Student's Perspective, March 2020, Main Supervisor
40. Fazrul Ashraf Bin Ahmad Sohaimi (2017814408), Implementing Value Management in Housing Projects, March 2020, Main Supervisor
41. Intan Natashah Binti Jaini (2018207216), The Challenges of Maintaining Heritage Building In Kota Kinabalu Sabah, March 2020, Main Supervisor
42. Safiah Suaidah Binti Ahmad (2018693972), Readiness of Contractor Towards Full Implementation Of Occupational Safety And Health On Construction Industry Management (OSHCIM), March 2020, Main Supervisor
43. Rozzairah Binti Kahar (2018206994), Critical Success Factor of Implementation Of FM Toward State Library, March 2020, Main Supervisor
44. Muhammad Fadhli Bin Rosli (2017165633), User's Satisfaction Towards Communication and Multimedia Provider in Higher Learning Institution, September 2019, Main Supervisor
45. Muhammad Syamil Adham Bin Shaharudin (2017907013), Maintenance of Police Quarters in Klang Valley, September 2019, Main Supervisor
46. Marllane Jeyse Binti Uling (2017791717), The Challenges of Building Construction Near Waterfall: A New Restaurant, September 2019, Main Supervisor
47. Nur Munirah Binti Abdullah (2016298992), Comparative Study on Facilities Management in UiTM Private Finance Initiative (PFI) Campuses, March 2019, Main Supervisor
48. Syed Althaf Aliudin Bin Syed Abdul Halim (2017488704), Critical Success Factors of G7 Contractor Towards Internalisation, March 2019, Main Supervisor
49. Farah Azmina Binti Kalana (2017609244), A Study on Various Slope Protection Techniques Along Jalan Aring-Kenyir, March 2019, Main Supervisor
50. Norfaziera Binti Manja (2017609262), Value Management at The Pre-Contract Stage in Government Projects, March 2019, Main Supervisor
51. Nurulfarahina Binti Baharudin (2016706511), Facilities Management Issue at Icon City, March 2019, Main Supervisor
52. Mohamad Faiz Bin Yaacob (2017488658), Contractors' Involvement in Green Building Development in Malaysia: Issues And Challenges, March 2019, Main Supervisor
53. Izreen Syafeeza Binti Sukardin (2016409002), A Study of Awareness of Big Data Software in the Construction Industry, March 2018, Main Supervisor
54. Rozie Rozaiman Sulaiman (2016409094), Contractor's Perception towards Integrated Project Delivery System in Sarawak Construction Industry, March 2018, Main Supervisor
55. Nur Asyiqin Binti Hasli (2016418856), Lean Construction Tools: Visual Management in Improving Safety and Health in Construction Site, March 2018, Main Supervisor
56. Seri Nazirah Binti Athanazir (2015829266), The Determinants of Working Environment in Promoting Personnel's Productivity, March 2017, Main Supervisor

57. Ritchie Anak Empaee@Empayie (2015278946), Bidding Strategies for Contractors in Sarawak, March 2017, Main Supervisor

Publications

1. Nur Atiqah Syuhada Abd Salam, Wan Mohd Nurdden Wan Muhammad, Ku Mohammad Asyraf Ku Azir, Irma Hanie Ibrahim, Abdul'izz Mohamad Kamil, 2023, Strategies In Mediating The Impact Of Covid-19 Pandemic By Small-Scale Contractors In Sarawak, Malaysia, Jurnal Penyelidikan Sains Sosial (JOSSR), Main Author
2. Abdul'izz Mohd Kamil, Siti Sarah Fatimah Amir, Ruth Lua Ejau, Ahmad Arzlee Hassan, Nasyairi Mat Nasir, Wan Mohd Nurdden Wan Muhammad, 2023, The Awareness Of CIPAA in Remediating Payment Issue Among Contractors In Malaysia, IOP Conference Series: Earth and Environmental Science, Co-author
3. Wan Mohd Nurdden Wan Muhammad, Ku Mohammad Asyraf Ku Azir, Nur Husnina Abdul Halim, Irma Hanie Ibrahim, 2022, The Insights Of Computer-Aided Measurement Software From Undergraduate's Perspectives, Jurnal Penyelidikan Sains Sosial (JOSSR), Main Author
4. Sylvia Gala Mong, Awang Ihsan Awang Yunus, Wan Mohd Nurdden Wan Muhammad, Mohd Nabil Fikri Saaid, Nurulhudaya Abdul Hadi Abdul Hadi, 2022, Development of " Game of Contract" for Interactive Edutainment, International Journal of Service Management and Sustainability, Co-author
5. Muhammad Ikhwan Izzudin Weini, Asmah Alia Mohamad Bohari, Amira Shazlin Adnan, Wan Mohd Nurdden Wan Muhammad, Nat Savavibool, 2022, Challenges in implementing green urban space: from the lens of private developers, Built Environment Journal.
6. Roseline Anak Ikau, Ahmad Faiz Bin Abd Rashid, Wan Mohd Nurdden Bin Wan Muhammad, Noraziah Binti Wahi, 2019, A preliminary study of safety management practices on Pan-Borneo highway construction sites in Kuching, Malaysia, Journal of Physics: Conference Series, IOP Publishing, Co-author
7. Ku Mohammad Asyraf Bin Ku Azir, Wan Mohd Nurdden Bin Wan Muhammad, Mohd Khairul Fitri Bin Othman, 2018, The Insight on Quality Assessment System in Construction (QLASSIC) Implementation in Sarawak, IOP Conference Series: Materials Science and Engineering, IOP Publishing Ltd, Co-author
8. Awang Ihsan Bin Awang Yunus, Wan Mohd Nurdden Bin Wan Muhammad, Mohammad Nabil Fikri Bin Saaid, 2017, Comparative Analysis of JKR Sarawak Form of Contract and Malaysia Standard Form of Building Contract (PWD203A), IOP Conference Series: Earth and Environmental Science, IOP Publishing Ltd, Co-author
9. Nurulhudaya Binti Abdul Hadi, Wan Mohd Nurdden Bin Wan Muhammad, Mohd Khairul Fitri Bin Othman, 2017, Critical factors of implementing Industrialised Building System in Sarawak: A research on SMEs, IOP Conference Series: Earth and Environmental Science, IOP Publishing Ltd, Co-author
10. Mohd Khairul Fitri Bin Othman, Wan Mohd Nurdden Bin Wan Muhammad, Nurulhudaya Binti Abdul Hadi, Mohd Azrai Bin Azman, 2016, The Significance of Coordination for Industrialised Building System (IBS) Precast Concrete in Construction Industry, MATEC Web of Conferences, EDP Sciences, Co-author
11. Wan Mohd Nurdden Bin Wan Muhammad, Mohd Azrai Bin Azman, Mohd Khairul Fitri Bin Othman, Nurulhudaya Binti Abdul Hadi, Mohammad Fadhil Bin Mohammad, 2015, The Insight of Industrialised Building System (IBS) by Bumiputera Construction Players, MATEC Web of Conferences, EDP Sciences, Main Author

12. Wan Mohd Nurdden Bin Wan Muhammad, Zulhabri Bin Ismail, Ahmad Ezanee Ismail, 2013, Exploring Lean Construction Components for Malaysian Construction Industry, Business Engineering and Industrial Applications Colloquium (BEIAC 2013), IEEE, Main Author

Research Grants and Contracts

1. Ku Mohammad Asyraf Bin Ku Azir, Mohd Khairul Fitri Bin Othman, Wan Mohd Nurdden Bin Wan Muhammad, 2017, Dana Kecemerlangan, RM 3,000.00, Co-researcher, Completed
2. Wan Mohd Nurdden Bin Wan Muhammad, Mohd Azrai Bin Azman, Nurulhudaya Binti Abdul Hadi, Mohd Kharul Fitri Bin Othman, 2014, Coordination Determinants of The IBS Precast Concrete System Operation in Sarawak, RAGS 2014, RM 60,000.00, Lead Researcher, Completed

Consultation & Expertise

1. Reviewer
 - RISM International Research Conference 2021
 - THE RISM Excellence Awards-Outstanding Writer on Property and Construction 2020
 - The Malaysia Surveyor (TMS), Royal Institution of Surveyors Malaysia (RISM) 2020
 - RISM International Research Conference 2020
 - QSRI 2019 - VOL 2.0 Bagi Pusat Pengajian Ukur Bahan, FSPU, UiTM Shah Alam
 - Melaka International Conference on Social Sciences, Science and Technology (MIC3ST 2019)
 - 2019 IEEE International Conference on System Engineering and Technology (ICSET 2019)
 - Journal of Advanced Manufacturing Technology, 2018
 - 2018 International Research Conference on Engineering & Science (IRCES 2018)
 - 2018 9th IEEE Control and System Graduate Research Colloquium (ICSGRC 2018)
 - 8th IEEE International Conference on Control System, Computing and Engineering (ICCSCE 2018)
2. Jury
 - International Exhibition & Symposium on Productivity, Innovation Knowledge, Education & Design (i-SPIKE 2023)
 - The 3rd Graduate Digital Invention, Innovation And Design (GDIID) 2023
 - International Jasin Multimedia & Computer Science Invention, Innovation & Exhibition (I-JaMCSIIX 2020)
 - RISM International Research Conference 2020 (RISM-IRC2020)
 - The 3RD International Innovation, Invention & Design Competition 2020 (ICON 2020)

Innovation, Commercialization & Entrepreneurial

1. Game of Contract, Innovation, International, SILVER AWARD in International Virtual Education Invention, Innovation & Design Competition 2020 (iVEDIIC2020), Member, MYIPO IP No: LY2020005540

2. CoSB Game (Construction Site Board Game), Innovation, International, SILVER AWARD in 3rd International Innovation, Invention & Design Competition 2020 (ICON 2020), Member, MYIPO IP No: LY2020005352
3. Master Builder Board Game, Innovation, National,
 - SILVER AWARD in Sarawak Invention, Innovation & Design Expo 2019 (SIIDEX 2019), Leader, MYIPO IP No: LY2019006767
 - SILVER AWARD in Virtual Innovation Competition 2020 (VIC2020), Leader
4. i-Public Work Department (i-PWD), Innovation, National,
 - BRONZE AWARD in Sarawak Invention, Innovation & Design Expo 2019 (SIIDEX 2019), Member, MYIPO IP No: LY2019003193
 - GOLD AWARD in Virtual Innovation Competition 2020 (VIC2020), Member
5. Sustainable Neighbourhood Element's (SNE's) Framework for An Urban Residential Areas in Malaysia, Innovation, International, SILVER AWARD in 7th International Innovation, Invention & Design Competition 2018 (INDES 2018), Member, MYIPO IP No: LY2018003185
6. The Electronic Mobile Malaysia Standard Method of Measurement (e-MySMM), Innovation, International, GOLD AWARD in International Innovation in Teaching and Learning 2016 (i-InTeL 2016), Member
7. The Insight of Lean Construction Tools Strategies on Construction Project, Innovation, National, BRONZE AWARD in Sarawak Invention, Innovation & Design Expo 2016 (SIIDEX 2016), Leader, MyIPO IP No: LY2016000595
8. PWD203A Ruler, Innovation, National, Sarawak Invention, Participation in Innovation & Design Expo 2019 (SIIDEX 2016), Leader, MyIPO IP No: LY2018002586
9. Participation - Shielded Drying Station, Innovation, National, Participation in Invention, Innovation & Design Exposition 2015 (IIDEX 2015), Member

Services & Administration

1. Resource Person, Coordinator (Masters Programme), Centre of Studies in Quantity Surveying, Faculty of Architecture, Planning & Surveying, UiTM Shah Alam (2019 - 2022)
2. Coordinator (Masters Programme), Centre of Studies in Quantity Surveying, Faculty of Architecture, Planning & Surveying, UiTM Shah Alam (2020 – 2021)
3. Coordinator (Penglibatan Luar), Centre of Studies in Quantity Surveying, Faculty of Architecture, Planning & Surveying, UiTM Shah Alam (2019 – 2021)
4. Coordinator (Dissertation), Centre of Studies in Quantity Surveying, Faculty of Architecture, Planning & Surveying, UiTM Shah Alam (2019 – 2021)
5. Coordinator (Practical Training), Centre of Studies in Quantity Surveying, Faculty of Architecture, Planning & Surveying, UiTM Shah Alam (2019 – 2021)
6. Internal Auditor, Unit Kualiti UiTM Sarawak (2017-2018)

7. Monitoring Committee, (Keberadaan Pensyarah dan Notis Pembatalan/ Penangguhan Kuliah), Jawatankuasa Academic Quality Assurance (AQA) UiTM Sarawak (2017-2018)
8. Committee Members, Accreditation Programme Diploma in Quantity Surveying & Bachelor of Quantity Surveying (Hons) UiTM Sarawak (2017 – 2018)
9. Programme Coordinator (STEM), Faculty of Architecture, Planning & Surveying, UiTM Sarawak (2017 – 2019)
10. Programme Coordinator (Examination) AP224 -Bachelor of Quantity Surveying (Hons), UiTM Sarawak (2016-2019)
11. Programme Coordinator (Examination) AP114 -Diploma in Quantity Surveying, UiTM Sarawak (2014-2016)

Work and Collaboration Experience

1. Lecturer, 2013 – 2019, Faculty of Architecture, Planning & Surveying, UiTM Sarawak - Teaching Bachelor of Quantity Surveying (Hons.) and Diploma in Quantity Surveying
2. Junior Quantity Surveyor, 2010 -2011, Panzana Enterprise Sdn Bhd, Kuala Lumpur
3. Quantity Surveyor, 2010, Ahmad Zaki Sdn Bhd, Kuala Lumpur

Awards & Recognitions

1. Anugerah Pensyarah Menyumbang Kejayaan Paling Tinggi Di FSPU 2019, Faculty of Architecture, Planning & Surveying.

Contribution to Society

1. RISM QS Education Sub-Committee for Session 2020/2021, University Representative
2. Aktiviti Masyarakat Prihatin 2020, Member
3. STEM Playground, Sarawak Career and Training Fair 2017 (SCaT Fair 2017), 2017, Organizing Committee
4. KLESF Mobile Workshop: Sarawak Chapter, Kementerian Pendidikan Malaysia, 2017, Presenter