

Sr Dr. Mohd Arif bin Marhani

Senior Lecturer

School of Construction Management and Quantity Surveying,
College of Built Environment (CBE),
Universiti Teknologi MARA,
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Areas of Expertise

Lean Construction, Project Management, Value Management, Health and Safety

<https://expert.uitm.edu.my/profile.php?id=vBY3zZE0t9AOD+aoo8WTL/rMRkrnM9AZig/C1jTZr4I=>
<https://www.scopus.com/authid/detail.uri?authorId=51161561500>
<https://www.webofscience.com/wos/author/record/GRN-9413-2022>
https://www.researchgate.net/profile/Mohd_Arif_Marhani
<https://scholar.google.com/citations?user=IPizMtcAAAAJ&hl=en>

Personal Information

Mohd Arif bin Marhani.
Quantity Surveying.

Academic Qualifications

Ph.D in The Specialisms of The Built Environment (Lean construction tools framework in reducing construction wastes for the enhancement of time performance), 2021, Universiti Teknologi MARA.
Master of Science (Project Management), 2007, National University of Singapore.
Bachelor of Quantity Surveying (Hons.), 2003, Universiti Teknologi MARA.
Diploma in Quantity Surveying, 2001, Universiti Teknologi MARA.

Professional Members

1. Board of Quantity Surveyors Malaysia (BQSM), Professional Quantity Surveyor, 2022-now.
2. Royal Institution of Surveyors Malaysia (RISM), Member, 2022-now.
3. Construction Industry Development Board of Malaysia, IBS Professional Certificate, 2018.

Teaching and Learning

1. Degree, Measurement of construction works III (BQS501), Lecture & tutorial.
2. Degree, Measurement of construction works III (QMS501), Lecture & tutorial.
3. Degree, Measurement of construction works IV (QMS551), Lecture & tutorial.
4. Degree, Measurement of civil engineering works (BQS663), Lecture & tutorial.
5. Degree, Measurement of civil engineering works (QMS663), Lecture & tutorial.
6. Degree, Construction Technology III (BQS502), Lecture.
7. Degree, Construction Technology III (QMS502), Lecture.
8. Degree, Construction Technology IV (QMS552), Lecture.
9. Degree, Project Management I (QSM560), Lecture.
10. Degree, Project Management II (QSM610), Lecture.
11. Degree, Value Management (BQS668), Lecture.
12. Degree, Computer aided design and drawing (BQS516), Lecture.
13. Degree, Computer aided measurement (BQS562), Lecture.
14. Degree, Information technology (QSM505), Lecture & tutorial.
15. Degree, Applied studies I (BQS612), Lecture & tutorial.
16. Degree, Applied studies I (QSM612), Lecture & tutorial.
17. Degree, Applied studies II (QSM662), Lecture & tutorial.
18. Degree, Dissertation (BQS664), Tutorial.
19. Degree, Final project/Dissertation (QSM664), Tutorial.

Student Supervision

Postgraduate

1. Challenges in implementing sustainable supply chain management (sscm) in the water reticulation works – Nurul Ain binti Shaiful Fahmi, 2023, AP776, Main supervisor.
2. The effectiveness of lean principle in material and waste handling – Nur Syahidatul Iman Binti Idris, 2022, AP781, Co-supervisor.
3. Intergration of VM framework in Malaysia's public housing procurement – Muhammad Syahfarhan Bin Mohamad Yassin, 2021, AP991, Co-supervisor.

Undergraduate

Bachelor of Quantity Surveying (Hons) (AP224)

1. A comparative study on cost overrun for infrastructural project in rural areas – Jamie Hazirah Binti Jimmy, 2023, Supervisor.
2. Benefits of adopting historic building information modelling (H-BIM) in conserving heritage building in Kuala Lumpur – Muhammad Irfan Bin Norhisham, 2023, Supervisor.
3. The challenges in managing construction and demolition waste for green project in Malaysia – Sarah Alyssa Binti Mohd Redzwan, 2023, Supervisor.
4. Innovation in waste management system for Malaysia construction industry – Muhammad Haziq Bin Abd Rahim, 2023, Supervisor.
5. Strategies in minimizing wastage of construction materials through lean construction – Nur Ain Atiqah Binti Mohd Jasry, 2023, Supervisor.
6. The lean construction tools application in the Malaysian construction industry (5S) – Nurlin Fatin Najiha Binti Azhari, 2023, Supervisor.

7. Construction and demolition waste management (CDWM) in Malaysian construction industry: analysis of issue and challenges – Nurul Ain Haidah Binti Aziz, 2023, Supervisor.
8. The challenges in managing construction and demolition waste for green project in Malaysia – Sarah Alyssa Binti Mohd Redzwan, 2023, Supervisor.
9. The challenges in managing construction and demolition waste for green project in Malaysia – Sarah Alyssa Binti Mohd Redzwan, 2023, Supervisor.
10. Critical success factors in minimizing construction and demolition waste in the Malaysian construction industry – Nor Syalmi Azira Binti Limi Hawari, 2022, Supervisor.
11. Contributing factor on effective construction waste management practices towards sustainable construction – Nurin Irdina Binti Muhammad Najib, 2022, Supervisor.
12. Issues in implementing heritage building maintenance in the Malaysian construction industry – Nurul Hidayah Binti Ibrahim, 2022, Supervisor.
13. A study on construction waste management in Industrialised Building System (IBS) – Sharifah Yasmin Binti Syed Ritthuddin, 2022, Supervisor.
14. Heritage building conservation through BIM digitalisation in the Malaysian construction industry – Nick Naquiddin Bin Azlan Christopher, 2022, Supervisor.
15. Construction waste reduction behaviour among contractors in Malaysia – Syed Muhammad Danial Bin Syed Mohd Mahzan, 2022, Supervisor.
16. Construction waste reduction behaviour among contractors in Malaysia – Muhammad Naquib Bin Junaidi, 2022, Supervisor.
17. The implementation of internet of things (IOT) in construction safety management in Malaysia – Nur Athirah Nadhirah Binti Ja'afar, 2022, Supervisor.
18. Malaysian private sector perspective on the effectiveness of modular construction system implementation – Sheera Erren Afida Binti Kasuadinata, 2022, Supervisor.
19. Challenges in implementing modular construction in Malaysia's construction industry – Anis Liyana Damia Binti Sanusi, 2022, Supervisor.
20. Factor affecting quality of workmanship in building construction – Muhammad Hasmadi Bin Mohd Badrai, 2022, Supervisor.
21. Challenges of risk management implementation practices in public work department of Sarawak's project – Nurina Batrisyia Binti Anuar, 2022, Supervisor.
22. The effect of illegal dumping of construction waste: perspective of local authorities – Rashidah Binti Yakni, 2022, Supervisor.
23. The impact of value management implementation toward IBS contractor practices for commercial project – Ahmadul Ariff Bin Mohammad, 2021, Supervisor.
24. A study on the challenges of effective solid waste management implementation in construction projects – Aiyshah Amalyn Binti Ahmad Rafidi, 2021, Supervisor.
25. Identifying the reasons of cost overrun in road project and strategies to overcome it – Che Shahirah Najwa Binti Che Abdul Roni, 2021, Supervisor.
26. The enhancement of toolbox talks for safety management on the construction sites – Mohd Shafizan Bin Mohd Khuzai, 2021, Supervisor.
27. The Integration of Quality Assessment System in Construction (QLASSIC) with ISO 9001 towards project performance – Hanis Khaliesah Binti Mohammad Fouzi, 2021, Supervisor.
28. Critical success factor of lean construction approach in residential project – Izzatul Najiha Binti Abdul Haris, 2021, Supervisor.
29. Implementation of risk management in industrial revolution 4.0 for construction industry – Faiqah Binti Omar, 2021, Supervisor.

30. The implementation of project management tools by quantity surveyors' consultant firm – Muhammad Ismail Afif Bin Noor Izham, 2021, Supervisor.
31. The challenges in implementing green building index (GBI) assessment checklist in Malaysia – Aira Nabahah Binti Naharuddin, 2020, Supervisor.
32. Implementation of total quality management in the Malaysian construction industry: contractor perspective (Selangor) – Ahmad Zaidani Bin Azizan, 2020, Supervisor.
33. Waste management: case study on plot 8MD3, Precinct 8 Putrajaya – Aizad Danial Bin Aniszam, 2020, Supervisor.
34. The issues of communication towards the project performance in the Malaysian construction industry – Lutfilhadi Bin Lut, 2020, Supervisor.
35. A study on the contractors' strategies adopting 3R (reduce, reuse and recycle) in construction site – Muhammad Ainul Yaken Bin Zakaria, 2020, Supervisor.
36. Management of construction waste in Malaysia – Nabilah Aishah Binti Mohd Zahari, 2020, Supervisor.
37. Building performance on conventional and modular method in Malaysia – Firda Nurbalqis Binti Fu'ad, 2020, Supervisor.
38. Supply chain management in industrialised building system (IBS) towards IR 4.0: Malaysian contractors' perspective – Rheny Shafeera Binti Rahiman, 2020, Supervisor.
39. Total quality management (TQM) towards sustainable construction – Rabiatal Adawiyah Binti Rohaidy, 2020, Supervisor.
40. Building stakeholders challenges in retrofitting existing buildings towards a sustainable goal – Nur Izzati Binti Rosley, 2019, Supervisor.
41. Implementation of lean construction in Sarawak's construction industry – Nur Azimah Binti Kapli, 2019, Supervisor.
42. Sustainability approach through lean construction in the Malaysian construction industry – Nurul Ain Syafiqah Binti Muhamad Othman, 2019, Supervisor.
43. The challenges faced by foreign workers working in Malaysian construction industry – Mohammad Wafiuddin Adha Bin Kamarul Azman, 2019, Supervisor.
44. The challenges in the implementation of construction waste management in the Malaysian construction industry – Fatin Najwa Binti Azman, 2019, Supervisor.
45. The challenges of implementing of modular construction in government school project – Maslina Binti Othman, 2019, Supervisor.
46. The challenges of the lean construction approach implementation in Malaysian construction industry – Muhammad Zahir Bin Mohd Zainal, 2019, Supervisor.
47. 17.The effectiveness study on enhancing waste management best practice model in Malaysian construction industry – Mohamad Nasharuddin Bin Ismail, 2019, Supervisor.
48. 18.The viability of modular elevated working platform (MEWP) in Malaysian construction industry – Nur Syafinaz Binti Yousni, 2019, Supervisor.
49. A case study on firefighting system at TNB Connaught Bridge power plant station, Klang, Selangor – Mohamad Syahrin Bin Mohd Ghazali, 2018, Supervisor.
50. A study on construction waste between conventional and IBS construction – Nur Faqihah Binti Mohamed Noor, 2018, Supervisor.
51. A study on maintenance management of the marine structure of floating resorts in Port Dickson – Siti Rohani Binti Shafiee, 2018, Supervisor.
52. A study on public perception of Sungai Klang rehabilitation project – Khairiah Binti Ahmad Kailani, 2018, Supervisor.
53. Green highway construction in Malaysia – Nur Nadhira Binti Razali, 2018, Supervisor.

54. Performance management for project manager in construction project – Nurul Tasni Binti Mohammad Zawawi, 2018, Supervisor.
55. Site vandalism in construction industry in Selangor – Mohamad Arif Fikri Bin Azam, 2018, Supervisor.
56. Students satisfaction towards learning facilities provided at FSPU, Shah Alam – Syasya Shahirah Binti Saedin, 2018, Supervisor.
57. The challenges of waste reduction and recycling practices in the Malaysian construction industry – Muhammad Syafiq Bin Che Musa, 2018, Supervisor.
58. The implementation of green technology construction in Malaysia – Muhd Asyraf A'ffif Bin Pandi, 2018, Supervisor.
59. The usage of social media on construction industry: perspective of public – Amirul Muqmin Bin Mahadzir, 2018, Supervisor.
60. A study on the awareness of retrofitting among contractor – Muhammad Syakir Bin Mohd Zamri, 2017, Supervisor.
61. Challenges of small contractors in implementing safety practices in Kelantan – Siti Nursuhayati Binti Mohd Radzali, 2017, Supervisor.
62. Rolling barriers implementation on main roads and highways in Malaysia – Nur Diyana Binti Mohd Fahimi, 2017, Supervisor.
63. Student perception of FSPU building facilities in UiTM Shah Alam campus through post occupancy evaluation (POE) – Muhammad Farhan Bin Isa, 2017, Supervisor.
64. The green initiative of highway construction in Malaysia – Humairah Amira Binti Haron, 2017, Supervisor.
65. The implementation of ISO 9001 in construction worker by the project manager – Syafiqah Binti Idris, 2017, Supervisor.
66. What are the challenges in applying the green construction among contractor: a case study of building contractor in Klang Valley, Selangor – Mohamad Afiq Bin Ab. Aziz, 2017, Supervisor.
67. A case study on road expansion of state roads near Pasir Tumboh, Kelantan – Diena Syaierah Binti Azrain, 2016, Supervisor.
68. A study on effectiveness of solid waste management in UiTM Shah Alam – Nur Fitrah Binti Mohd Ali, 2016, Supervisor.
69. A study on what the risk of employing foreign workers in housing construction in Seremban – Muhammad Syazwan Bin Mohd Hisham, 2016, Supervisor.
70. Adaptation and barriers for implementation green building index certification in Malaysian construction industry – Marni Ainin Syahirah Binti Muksain, 2016, Supervisor.
71. Issues and challenges of decoration in mosque: a case study – Hajar Najihah Binti Mohd Yusof, 2016, Supervisor.
72. Safety management on dredging works in Malaysia: a case study of West Port Pulau Indah, Port Klang, Selangor – Muhammad Noor Halim Bin Othman, 2016, Supervisor.
73. The significance of human resources in construction organisations – Nur Aqila E'zzany Binti Kamarulzaman, 2016, Supervisor.
74. Waste construction physical and non-physical waste and impact to the cost and time to the contractor – Musfirah Binti Ibadat, 2016, Supervisor.
75. Waste management system during demolition projects – Nurul Naquiya Bt Mohd Nasir, 2016, Supervisor.
76. Factor analysis on problems encountered with foreign workers in construction industry from contractor's perspective – Nur Amalia Hani Binti Rosland, 2011, Supervisor.

77. Issues and implications of foreign labours to Malaysian construction industry – Muhamad Abdul Fattah Bin Alwi, 2011, Supervisor.
78. Maintenance for Kapar – Sabak Bernam Federal road – Muhammad Shamirul Bin Mohd Noor Izhar, 2011, Supervisor.
79. Performance of foreign labour in Malaysian construction industry – Nornuriana Binti Mohd Rafii, 2011, Supervisor.
80. Road maintenance of Lebuhraya Kajang – Seremban (LEKAS) – Mohd Faris Bin Abu Bakar, 2011, Supervisor.
81. The issues on highway asset management in Malaysia – Faizah Binti Faudzi, 2011, Supervisor
82. The safety factors during road upgrading & maintenance work – Fara Nur Inani Binti Ismil, 2011, Supervisor.
83. Barriers to the implementation of e-tendering process in Malaysia – Noor Hazrina Binti Hassan, 2010, Supervisor.
84. Critical issues contributing to success & failure of TQM in an organisation – Nurfatim Binti Mufti, 2010, Supervisor.
85. Design, installation and cost of supervisory control and data acquisition (SCADA) in water distribution management at SYABAS – Nur Syahida Binti Ibrahim, 2010, Supervisor.
86. Green building – a case study of G Tower, Kuala Lumpur – Nor Rasid Bin Abu Bakar, 2010, Supervisor.
87. Lean construction: the effectiveness in reducing wastage in construction practice – Mohammad Aizat Bin Che Mat, 2010, Supervisor.
88. Local skilled labour in Malaysian construction industry – Muizzuddin Bin Mohamad, 2010, Supervisor.
89. Road maintenance of New Klang Valley Expressway (NKVE) – Afiqah Fatin Hanani Binti Ahmed Mahir, 2010, Supervisor.
90. The effectiveness of QCLASSIC system and the implementation of the system in Malaysian construction industry – Mohd Farhan Bin Mohd Nasir, 2010, Supervisor.
91. Upgrading works of phase 3 FT5 Federal road from Kapar to Klang – Siti Nurshafiqah Bt Ab Jalil, 2010, Supervisor.
92. Upgrading works of phase 1 and 2, Federal road from Kapar to Klang, Selangor – Nurul Suhadah Bt Nahrawi, 2010, Supervisor.
93. Upgrading works of Jalan Seremban – Kuala Pilah – Nurfarhana Binti Mohd Hasim, 2010, Supervisor.
94. Dependency of the foreign unskilled workforce in construction industry in Selangor: factors, problems and effects – Munirah Atiqah Binti Mustafa, 2009, Supervisor.
95. Foreign workers policy and its influence in construction industry – Nuraniza Binti Khalidi, 2009, Supervisor.
96. Highway interchange: design, construction and cost of Duta-Ulu Klang Expressway (DUKE) – Khalimaton Binti Ab Aziz, 2009, Supervisor.
97. Improving the quality of local construction workers through Construction Academy of Malaysia (ABM) to construction industry – Nor Azila Binti Azmi, 2009, Supervisor.
98. Minimising number of foreign skilled workers in construction sector: economic and quality factors – Norhasanah Binti Hassim, 2009, Supervisor.
99. OHSAS 18001: implementation in Terengganu – Siti Wahida Binti Sani, 2009, Supervisor.
100. Risk management of Puduraya Bus station – Nor Amirah Binti Kamar, 2009, Supervisor.
101. Traffic management system of Seremban – Ayer Keroh, North – South Expressway – Mohd Imran Bin Dzulhainan, 2009, Supervisor.
102. A case study on sea reclamation of Tanjung Tokong: design, construction and cost – Nur Laili Bt Baharudin, 2008, Supervisor.

103. A study on Construction Labour Exchange Centre Berhad (CLAB) – Siti Zaharah Binti Zakaria, 2008, Supervisor.
104. C-bam formwork: comparative study – Sharlul Anuar Bin Ismail, 2008, Supervisor.
105. Green building: a study on building automation system – Noor Tamizee Bin Noor Adzman, 2008, Supervisor.
106. Sub-contractors: the problems and legal issues in construction contract – Noor Aishah Binti Aziz, 2008, Supervisor.
107. Survey on the implementation of e-procurement to the construction companies in Selangor – Siti Rashidah Hanum Bt Abd Wahab, 2008, Supervisor.
108. Implementation of comprehensive maintenance in Malaysian construction industry – Safruddin Bin Salahudin, 2008, Supervisor.

Publications

Paper in indexed journal (SCOPUS/ISI)

1. Mohamad Yassin, M. S., Jaapar, A., Marhani, M. A., & Ahmad Bari, N. A. (2023). Sustainable Success Framework of Value Management/Value Engineering in Malaysian Public Housing Projects: Research Methodology. *Chemical Engineering Transactions*, 106, 325–330. Co-author.
2. N. A., Ismail, N. A. A., Muhammad Rooshdi, R. R., Sahamir, S. R. & Marhani, M. A. (2023). A Systematic Literature Review on BIM-based Facilities Management towards Sustainable Construction. *Chemical Engineering Transactions*, 106, 385–390. Co-author.
3. Marhani, M. A., Abdul Haris, I. N., Muhammad Rooshdi, R. R., Ismail, N. A. A., & Sahamir, S. R. (2023). The critical success factors of lean construction implementation in residential projects. *Malaysian Construction Research Journal (MCRJ)*, 19 (2), 61–72. Main author & corresponding author.
4. Mohamad Yassin, M. S., Jaapar, A., Marhani, M. A., & Ahmad Bari, N. A. (2023). Exploring the critical success factors of value management for sustainable public housing in Malaysia: findings from a preliminary study. *Malaysian Construction Research Journal (MCRJ)*, 19 (2), 171–179. Co-author.
5. N. A., Ismail, N. A. A., Hasbullah, I. S., Mohamed, M. A., Marhani, M. A., Muhammad Rooshdi, R. R., Sahamir, S. R. & Golizadeh, H. (2023). Lean-BIM Collaborative Approach for Sustainable Construction Projects in Malaysia. *Journal of Advanced Research in Applied Sciences and Engineering Technology*, 33 (1), 356–366. Co-author.
6. Muhammad Rooshdi, R. R., Nazarrudin, N. A., Ismail, N. A. A., Sahamir, S. R. & Marhani, M. A. (2023). Challenges of implementing building information modeling (BIM) in green assessment tools. *AIP Conference Proceedings*, 2881 (1), 55–60. Co-author.
7. Marhani, M. A., Jaapar, A., Ahmad Bari, N. A., & Mohamed Shaari, S. (2022). Reducing Over-processing Construction Waste by Using Lean Construction Tools in The Malaysian Construction Industry. *IOP Conference Series: Earth and Environmental Science*, 1067 (1), 012048. Main author & corresponding author.
8. Mohamad Yassin, M. S., Jaapar, A., & Marhani, M. A., (2022). Enhancing Projects' Sustainability Through Value Management Approach for The Malaysian Construction Industry: A Literature Review. *IOP Conference Series: Earth and Environmental Science*, 1067 (1), 012046. Co-author.
9. Mohamad Kamil, A. I., Ismail, N. A. A., Hassan, A. A., Muhammad Rooshdi, R. R., & Marhani, M. A. (2022). Satisfaction of quantity surveying students towards online distance learning (ODL) during covid-19 pandemic. *Asian Journal of University Education*, 18 (2), 422–429. Co-author.
10. Marhani, M. A., Jaapar, A., Ahmad Bari, N. A., & Mohamed Shaari, S. (2021). Minimising delay construction waste in the Malaysian construction industry by using lean construction tools. *Malaysian Construction Research Journal (MCRJ)*, 35 (3), 71–82. Main author & corresponding author.

11. Muhammad Rooshdi, R. R., Ismail, N. A. A., Sahamir, S. R. & Marhani, M. A. (2021). Integrative assessment framework of Building Information Modelling (BIM) and sustainable design for green highway construction: a review. *Chemical Engineering Transactions*, 89, 55–60. Co-author.
12. Marhani, M. A., Muhammad Othman, N. A. S. & Ismail, N. A. A. (2021). Issue and impact of lean construction implementation in the Malaysian construction industry. *International Journal of Sustainable Construction Engineering and Technology*, 12 (3) (Special issue), 258–268. Main author & corresponding author.
13. Mahadzir, A. M. & Marhani, M. A. (2019). The usage of social media on lean construction concept in the Malaysian construction industry: perspective of the public. *Malaysian Construction Research Journal (MCRJ)*, 10 (Special issue), 179–187. Co-author & corresponding author.
14. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2018). The implementation of lean construction tools in Malaysia. *Chemical Engineering Transactions*, 63, 289–294. Main author & corresponding author.
15. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2018). The implementation of lean construction tools: findings from a qualitative study. *Chemical Engineering Transactions*, 63, 295–300. Main author & corresponding author.
16. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2015). Lean tools strategies in construction projects: research methodology. *Advances in Environmental Biology*, 9 (December), 424–428. Main author & corresponding author.
17. Jaapar, A., Marhani, M. A., & Ahmad Bari, N. A. (2015). Green lean construction tools framework for Malaysian construction industry. *Australian Journal of Basic and Applied Sciences*, 9 (April), 68–71. Co-author.
18. Esa, M. R., Marhani, M. A., Yaman, R., Hassan, A. A., Noor Rashid, N. A. & Adnan, H. (2011). Obstacles in implementing green building projects in Malaysia. *Australian Journal of Basic and Applied Sciences*, 5 (12), 1806–1812. Co-author.

Paper in refereed journal

1. Ahmad Rafidi, A. A., Marhani, M. A., Muhammad Rooshdi, R. R., Ismail, N. A. A., & Sahamir, S. R. (2023). Challenges of implementing effective solid waste management in construction projects. *Jurnal Penyelidikan Sains Sosial (JOSSR)*, 6 (18), 1–7. Co-author & corresponding author.
2. Marhani, M. A., Adnan, H., & Ismail, F. (2018). OHSAS 18001: Sustainable construction. *Asian Journal of Environment–Behaviour Studies*, 3 (9), 1–10. Main author & corresponding author.
3. Marhani, M. A., Adnan, H., Baharuddin, H. E. A., Esa, M. R. & Hassan, A. A. (2012). Dependency of foreign workers in Malaysian construction industry. *Built Environment Journal (BEJ)*, 9 (1), 39–50. Main author & corresponding author.

Conference paper

1. Mahadzir, A. M. & Marhani, M. A. (2019). The usage of social media on lean construction concept in the Malaysian construction industry: perspective of the public. In *Proceedings of International Conference on Research Methodology for Built Environment and Engineering 2019 (ICRMBEE 2019)*. Co-author & paper presenter.
2. Marhani, M. A., Ahmad Bari, N. A., & Jaapar, A. (2019). The effectiveness of lean construction tools in the Malaysian construction industry towards contractor’s environmental performance. *MATEC Web of Conferences*, 266. Main author & paper presenter.

3. Marhani, M. A., & Muksain, M. A. S. (2018). GBI assessment checklist: level of awareness of the contractors in the Malaysian construction industry. IOP Conference Series: Earth and Environmental Science, 117 (1). Main author & participant.
4. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2017). The implementation of lean construction tools in Malaysia. In Proceedings of 3rd International Conference of Low Carbon Asia 2017 (ICLCA 2017). Main author & paper presenter.
5. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2017). The implementation of lean construction tools: findings from a qualitative study. In Proceedings of 3rd International Conference of Low Carbon Asia 2017 (ICLCA 2017). Main author & paper presenter.
6. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2015). Lean tools strategies in construction projects: research methodology. In Proceedings of International Conference on Science, Engineering, Built Environment and Social Sciences (ICSEBS 2015). Main author.
7. Marhani, M. A., Ahmad Bari, N. A., Said, N. & Jaapar, A. (2014). Enhancing sustainability through lean construction tools framework. Penang Invention, Innovation and Design (PIID 2014), 3-4 December 2014. Main author & paper presenter.
8. Jaapar, A., Marhani, M. A., & Ahmad Bari, N. A. (2014). Green lean construction tools framework for Malaysian construction industry. In Proceedings of International Conference on Science, Engineering, Built Environment and Social Sciences (ICSEBS 2014). Co-author.
9. Marhani, M. A., Jaapar, A., Ahmad Bari, N. A., & Zawawi, M. (2013). Sustainability through lean construction approach: a literature review. Procedia–Social and Behavioral Sciences, 101, 90–99. Main author & paper presenter.
10. Ismail, F. Baharuddin, H. E. A. & Marhani, M. A. (2013). Factors towards site management improvement for Industrialised Building System (IBS) construction. Procedia–Social and Behavioral Sciences, 85, 43–50. Co-author.
11. Adnan, H., Hashim, N., Marhani, M. A., & Johari, M. A. Y. (2013). Project management success for contractors. In Proceedings of World Academy of Science, Engineering and Technology, 425. Co-author.
12. Marhani, M. A., Jaapar, A., & Ahmad Bari, N. A. (2012). Lean construction: towards enhancing sustainable construction in Malaysia. Procedia–Social and Behavioral Sciences, 68, 87–98. Main author & paper presenter.
13. Adnan, H., Bachik, F., Supardi, A., & Marhani, M. A. (2012). Success factors of design and build projects in public universities. Procedia–Social and Behavioral Sciences, 35, 170–179. Co-author.

Research Grants and Contracts

1. Smart lean-BIM collaborative framework in harnessing sustainability for construction projects in Malaysia. Research Amount RACER RM 25,200. 2019. On-going. Co-researcher.
2. The implementation of lean construction tools framework in the Malaysian construction industry. Research Amount LESTARI RM 20,000. 2018. On-going. Principal researcher.
3. Lean tools strategies in construction projects. Research Amount FRGS RM 88,800. 2015. Completed. Co-researcher.
4. OHSAS 18001: An implementation framework for UiTM contractors. Research Amount RMI-Pembangunan RM 25,000. 2013. Completed. Principal researcher.
5. Site management for IBS construction. Research Amount RMI-Pembangunan RM 25,000. 2012. Completed. Co-researcher.
6. Factors of the dependency on foreign workforce in Malaysian construction industry. Research Amount Dana Kecemerlangan UiTM RM 6,500. 2010. Completed. Principal researcher.

Consultation & Expertise

1. Jawatankuasa Perolehan Kerajaan. Public Work Department of Malaysia. Preparation of Literature review & pilot interview. National. 2019. Committee. Completed.
2. Panel Penyelidik Standard Method of Measurement (SMM2). Royal Institution of Surveyors Malaysia (RISM). Tabulated Standard Method of Measurement (SMM2). National. 2010. Co-researcher. Completed.

Innovation, Commercialization & Entrepreneurial

1. Marhani, M. A. (2023). Lean construction tools framework in reducing construction wastes for the enhancement of time performance. CRLY2023W01711.
2. Mohamad Yassin, M. S., Jaapar, A., Marhani, M. A., & Ahmad Bari, N. A. (2023). Exploring the critical success factors of value management for sustainable public housing in Malaysia: findings from a preliminary study. CRLY2023W03606. Mohd Noor, N. F. & Marhani, M. A. (2019). The challenges of the modular construction system in Malaysia. In Proceedings of Quantity Surveying Research and Innovation Presentation 2019 (QSRI 2019). Co-author & won Silver award.
3. Shafiee, S. R. & Marhani, M. A. (2019). A study on maintenance management of the marine structure of floating resort in Port Dickson. In Proceedings of Quantity Surveying Research and Innovation Presentation 2019 (QSRI 2019). Co-author & won Gold award.
4. Che Musa, M. S. & Marhani, M. A. (2018). The challenges of waste reduction and recycling practices in the Malaysian construction industry. In Proceedings of Quantity Surveying Research and Innovation Presentation 2018 (QSRI 2018). Co-author & won Silver award.
5. Marhani, M. A., Ahmad Bari, N. A. & Jaapar, A. (2018). Lean construction tools implementation in the Malaysian construction industry: findings from a qualitative study. International Invention, Innovation and Design Universiti Teknologi MARA Negeri Sembilan (IIID UiTM CNS 2018), 18 April 2018. Main author, paper presenter & won Silver award.
6. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2016). A quantitative study of lean construction tools strategies in construction projects. FSPU iidex 2016, 25 May 2016. Main author, paper presenter & won Bronze award.
7. Wan Muhammad, W. M. N., Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., & Jaapar, A. (2016). The insight of lean construction tools strategies in construction projects. Sarawak Invention, Innovation and Design Expo (SIIDEx 2016), 29-31 January 2016. Co-author & won Bronze award.
8. Marhani, M. A., Ahmad Bari, N. A., Ahmad, K., Ahmad Sekak, S. N. A., & Jaapar, A. (2015). Lean construction tools strategies in construction projects: a preliminary study. Penang Invention, Innovation and Design (PIID 2015), 26-27 October 2015. Main author, paper presenter & won Bronze award.
9. Marhani, M. A., Jaapar, A., Ahmad Bari, N. A., Ahmad Sekak, S. N. A. & Said, N. (2014). Lean construction tools framework for the Malaysian construction industry. Invention, Innovation and Design Johore (IID Johore 2014), 20 August 2014. Main author, paper presenter & won Silver award.

Services & Administration

1. Panel Temuduga Zakat CBE, 2023-now.
2. Liaison Officer (LO) Bitcom (Faculty of Architecture, Planning & Surveying/CBE), 2021-2023.

Work and Collaboration Experience

1. Chairperson, 2022, ASEAN Quantity Surveying Association (AQSA), 1st Virtual AQSA Academic Conference 2022.
2. Committee, 2018, Board of Quantity Surveyors Malaysia (BQSM), International Quantity Surveying Academic Forum (IQSAF).
3. Committee, 2016, Board of Quantity Surveyors Malaysia (BQSM), Programme for QS Registration Scheme (PQRS).

Awards & Recognitions

1. Anugerah Perkhidmatan Cemerlang. Universiti Teknologi MARA. 2012.

Contribution to Society

1. Aktiviti Masyarakat Prihatin 2020. Jawatankuasa Pembangunan Staf, Centre of Studies for Quantity Surveying. 2020. Participation.