

NOOR AISYAH ASYIKIN BT MAHAT

Lecturer

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Areas of Expertise

Construction Management, Productivity, Sustainable Construction, Building Measurement, Cost Estimation

<https://prisma.uitm.edu.my/prisma/>

https://www.researchgate.net/profile/Noor_Aisyah_Asyikin_Mahat

<https://scholar.google.nooraisyahasyikin>

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Personal Information

Noor Aisyah Asyikin , Centre of Studies for Quantity Surveying, Faculty of Architecture, Planning and Surveying Universiti Teknologi MARA, Shah Alam.

Academic Qualifications

- PhD in Built Environment, (ongoing), Universiti Teknologi MARA, Shah Alam, Malaysia
- Master of Science (Construction Contract Management), 2010, Universiti Teknologi Malaysia
- Bachelor of Quantity Surveying, 2003, Universiti Teknologi MARA, Shah Alam, Malaysia

Professional Members

None

Teaching and Learning

Degree, Jan 2011 – Current (2024), Bachelor of Quantity Surveying (AP224)

Student Supervision

Bachelor Degree

Y2021

- The Challenges Of Implementing Green Technology In Malaysia Construction Industry : Contractors' Perspective- Farrah Aqilla Binti Haznidan
- Re-Beautification Of Chinatown, Kuala Terengganu- Fatin Asliza Binti Fadzullah Suhaimi
- The Strategies On Enhancing The Project Performance In Malaysia Construction Industry- Hafiy - Amsyar Bin Rusli
- Exploring The Potential Profession Of Quantity Surveyor As Facility Manager- Nur Izzati Binti Mohamad Azman
- Contractor's Strategies Implementing In Achieving The Time And Quality Performance In Construction Industry- Nuraina Asyura Binti Ahmad Khairi
- The Influence Of Advanced Technologies In Contractor Firms In Malaysi- Nurin Aqilah Binti Azmi
- Turnover Intention Among Quantity Surveyors In Malaysian Construction Industry- Wan Iffah Syaza Binti Wan Musa
- Fire Safety Management In Whole Sale Building : Gm Klang- Siti Zuhairah Binti Khairuddin

Y2022

- A Study On The Potential Hazards And The Factors Of Temporary Supports Accidents In Malaysian Construction Sites- Azurea Binti Talib Azmi
- Post Occupancy Evaluation (Poe) At National Institute Of Health (Nih) Building, Setia Alam- Fatin Nazureen Binti Md Nadzir
- Piling Work: Risk And Hazard Assessment- Iffah Binti Mohd Ridza
- Towards Zero Construction Fatalities In Malaysia- Siti Ili Maisarah Binti Mat Kamil
- The Application Of Smart Building Systems- Amira Aliah Binti Amer
- The Impact Of Covid-19 Pandemic On Materials Shortages In Malaysia Anis- Aisyah Binti Mohd Rosly
- A Study On The Roles Of Green Spaces In Urban Area In Malaysia- Muhammad Firdaus Hakim Bin Mohd Jais
- Women Involvement In Malaysian Construction Industry : Success Factor- Nur Ain Syazwani
- Strategic Surviving Plan Among Construction Company After Covid 19 Pandemic- Nur Aqilah Binti Anuar Nizan
- Mandatory Implementation Of Quality Assessment System In Construction (Qlassic) In Construction Industry: Contractor Perspective- Nurmaisarah Binti Razman Shah

Y2023

- Total Quality Management Towards Ir 4.0 In Malaysia- Arash Ikmal Bin Mohd Fadil
- Consumers Preferences For Green Materials In Housing Development - Nur Hidayah Binti Abdullah
- Strategizing The Compliance Of Occupational Safety And Health (Osh) Laws And Regulations In The Malaysian Construction Industry- Nurhamiza Amira Binti Mohd Arif
- Leadership In Construction Industry Towards Total Quality Management (Tqm): Current Issue & Challenges- Nurin Khairina Binti Hisham
- Strategies To Improve The Productivity Of Small And Medium Construction Firms In Malaysia- Shahrizad Hafifi Bin Mohamed Yusof
- The Barriers And Challenges Of Green Procurement Adoption Among Construction Supplier - Wan Farhana Binti Wan Azraimizam

Publications

1. *Managing Financial Sustainability of Construction Project through Strategic Management of Brief and Change Order*, **Noor Aisyah Asyikin Mahat**, Norizan Ahmad, Sharifah Nur Aina Syed Alwee, IEEE Symposium of Humanities, Science and Engineering Research **(2013)**
2. *Peculiar Issues on Time-Related Clauses of Malaysian Construction Contracts*, Sharifah Nur Aina Syed Alwee, Mysarah Maisham and **Noor Aisyah Asyikin Mahat**, 2014 IEEE Colloquium on Humanities, Science and Engineering (CHUSER 2014), Hard Rock Hotel, Penang, Malaysia, IEEE Malaysia & RMI UiTM, Co-author **(2014)**
3. *Integration of Quality Management and construction Accident Causation : Development of Accident Causation Theories*, **Noor Aisyah Asyikin Mahat**, Faridah Ismail, Sharifah Nur Aina, Australian Journal of Basic and Applied Sciences, 9(22) Special 2015, Pages: 123-12 **(2015)**
4. *Developing a Research Methodology for Life Cycle Costing Framework for Application in Green Projects*, Mysarah Maisham, Hamimah Adnan, Noor Akmal Adillah Ismail, and **Noor Aisyah Asyikin Mahat** Proceeding of the 4th International Conference on Research Methodology for Built Environment and Engineering (ICRMBEE 2019), Chulalongkorn University, Bangkok, Thailand and UiTM Shah Alam, Co- author. **(2019)**
5. *Productivity Improvement Strategies in Green Construction Project: Formulation of a Theoretical Framework*, **Noor Aisyah Asyikin Mahat**, Hamimah Adnan, Norazian Mohamad Yusuwan, and Mysarah Maisham, Proceeding of the 4th International Conference on Research Methodology for Built Environment and Engineering (ICRMBEE 2019), Chulalongkorn University, Bangkok, Thailand and UiTM Shah Alam, Main author. **(2019)**
6. *Consensus Views on the Success Elements for Extension of Time Claim (EoT) in the Malaysian Construction Industry: A Modified Delphi Study* Yusuwan, N.M., Adnan, H., Ahmad Rashid, Z.Z., Wan Ismail, W.N., **Asyikin Mahat, N.A.** IOP Conference Series: Earth and Environmental Science, (2019), 385(1), 012062 SCOPUS – **(2019)**
7. *BIM Capabilities towards Better Safety Climate in the Malaysian Construction Industry* Noor Akmal Adillah Ismail, Bibi Nur Basirah Baharu, Hamimah Adnan¹, Mysarah Maisha and **Noor Aisyah Asyikin Mahat**/ IOP Conference Series: Earth and Environmental Science, (2019), 385(1), 012067 SCOPUS Conference Proceedings – **(2019)**
8. *Barriers in Implementing Life Cycle Costing in Malaysia's Green Construction Projects*, Mysarah Maisham¹, Hamimah Adnan¹, Noor Akmal Adillah Ismail¹, **Noor Aisyah Asyikin Mahat** and Farrah Norizzah Mohd Yussof, / IOP Conference Series: Earth and Environmental Science, (2019), 385(1), 012067 – **(2019)**
9. *Propelling Green Building Technologies Adoption in Malaysia Construction Industry*, **Noor Aisyah Asyikin Mahat**, Sharifah Nur Aina Syed Alwee, Hamimah Adnan & Ahmad Arzlee Hassan, 2019 IOP Conf. Ser.: Earth Environ. Sci. 233 022032- **(2019)**
10. *Success Factors Among Industrialised Building System (IBS) Contractors in Malaysia*, Hamimah Adnan, Har Einur Azrin Baharuddin , Ahmad Arzlee Hassan, **Noor Aisyah Asyikin Mahat**, Sakinah Khalidah Kaharuddin, IOP Conference Series: Earth and Environmental Science, (2019), 385(1), 012067 SCOPUS Conference Proceedings – **(2019)**
11. *Significant Factors Affecting Civil Engineering Project Performance*, Wan Norizan Wan Ismail¹, Hamimah Adnan¹, Ahmad Arzlee Hassan¹, **Noor Aisyah Asyikin Mahat** and Har Einur Azrin Baharuddin, 2019 MATEC Web of Conferences 266(2):01013 – **(2019)**
12. *Challenges against adjudication decisions on payment disputes within the construction industry*, Ahmad Arzlee Hassan, Hamimah Adnan, Abdul Izz Mohammad Kamil, **Noor Aisyah Asyikin Mahat**, OP Conference Series: Earth and Environmental Science - **(2019)**
13. *Analysing Issues In Green Construction Productivity Performance*, **Noor Aisyah Asyikin Mahat**, Hamimah Adnan¹ & Norazian Mohammad Yusuwan, Malaysia Construction Research Journal (MCRJ). Vol.10 / No. 1 / 2020 – **(2020)**

14. *Towards a successful extension of time (EoT) claim: A consensus view of construction professionals via a modified Delphi method* Yusuwana N.M., Adnan H., Rashid Z.Z.A., Ismail W.N.W., Mahat N.A.A. Engineering Journal Open Access Volume 25, Issue 1, Pages 263 – 274 (2021) – Co Author **(2021)**
15. *"G-Pat": Empowering Productivity In Green Construction Project Performance, e-ISBN 978-967-25920-0-6 (GDIID 2021 publication)* Graduate Digital Invention Innovation and Design **(2021)**
16. *Analysing Factors Affecting Green Construction Productivity: Exploratory Factor Analysis*, Noor Aisyah Asyikin Mahat, Hamimah Adnan, Norazian Mohamad Yusuwana, International Journal of Sustainable Construction Engineering and Technology - **(2021)**
17. *The Influential Factors Effects Schedule and Cost Performance toward Productivity Attainment in Green Construction Projects*, **Noor Aisyah Asyikin Mahat**, Hamimah Adnan, Norazian Mohamad Yusuwana Mysarah Maisham, Noor Akmal Adilah Ismail, IOP Conference Series: Earth and Environmental Science - **(2022)**
18. *Investigating Reasons for the Unsuccessful Extension of Time (EoT) Claim in the Malaysian Construction Industry; Views from the Professionals*, Norazian Mohamad Yusuwana, Hamimah Adnan, **Noor Aisyah Asyikin Mahat**, Zul Zakiyudin Ahmad, Har Einur Azrin Baharuddin, IOP Conference Series: Earth and Environmental Science - **(2022)**

Research Grants and Contracts

- 1) The Management of Brief and Change Order of UiTM Construction Project/ Dana Pembangunan UiTM/ 1 Februari 2011/ **Team Leader** – 1 Februari 2013 : **Completed**
- 2) The Adaptive Accident Prevention Theories/ Geran Dana Pembudayaan Penyelidikan (RAGS) 2013/September 2013 – September 2015 / **Team Leader** : **Completed**
- 3) Life Cycle Costing (LCC) Framework For Effective Decision Making In Green Projects / FRGS/ September 2019 – March 2023 / Members : **Completed**
- 4) Green Construction Productivity Optimization Model Using Artificial Neural Networks (Anns) Towards Successful Projects Delivery/ Geran Khas UiTM/ December 2020 – Decemebr 2023 / **Team Leader** : **Completed**
- 5) Strategic Management Practices In Managing Productivity In High-Speed Rail Construction Project (HSRP) : The Development Of Systematic Models Using Artificial Neural Networks (ANNs) / Geran DUCTS / October 2022 – October 2024 / **Team Leader** : **On Going**

Consultation & Expertise

- Consultant-Research Management Unit, FSPU, Sixth International Conference on Construction in the 21st Century (CITC VI 2011), 5-7 July 2011, Kuala Lumpur, Committee.
- Consultant-Research Management Unit, FSPU, Forum Kebangsaan Kontraktor Melayu Malaysia (FKKMM 2011), 28 June 2011, Subang Jaya, Selangor, Committee.
- Consultant-Research Management Unit, FSPU, National Seminar in Built Environment (NSiBE 2011), 13-14 April 2011, Subang Jaya, Selangor, Committee.
- 4. Consultant-Research Management Unit, FSPU, Konvensyen Kebangsaan Kontraktor Melayu Malaysia (KKKMM 2013), 25-26 June 2013, Setia Alam, Shah Alam, Selangor, Committee

Innovation, Commercialization & Entrepreneurial

- Q-BBS (Quality Behavior Based Safety) Framework - MIIEX 2016 - Presenter , (GOLD MEDAL)

- "G-PAT" : Empowering Productivity in Green Construction Project Performance (GOLD MEDAL) - 2nd Graduate Digital Invention, Innovation & Design 2021 (GDIID 2021)
- "g-PAT": Revitalizing Productivity Growth in Green Construction Projects (GCP) (FIRST PRIZE - PLATINUM) -International Invention, Innovation & Design Exposition for Built Environment and Engineering 2023 (IIDBEEEX 2023)
- "Sustainability in Numbers : Unveiling the g-PAT Tool for Measuring Green Productivity" (GOLD MEDAL) IIDEX 2023

Services & Administration

1. Research Management Unit for Faculty of Architecture, Planning & Surveying, 2011 – 2020, Committee, involve in research activities organized by the faculty.
3. CSQS Coordinatorship for Examination (Question Paper) – Jan 2012 –Current, Coordinator, Responsible for the planning, coordination, implementation, and improvement of AP224 programme in relation to preparation of final examination papers.
4. CSQS Coordinatorship for Syllabus Review, 2010 – Aug 2018, Coordinator, Responsible for the planning, coordination, implementation, and improvement of AP224 programme in relation to syllabus review activities. FSPU Academic CV / Mysarah Maisham / 2020
6. CSQS Coordinatorship for Misi Akademik , Jan 2012 – March 2022, Coordinator, Responsible for the promoting to public all courses available in KAB.
7. CSQS Coordinatorship for Quality (Course File), Sep 2018 – Sept 2020, Coordinator, Responsible for the planning, coordination, implementation, and improvement of AP224 programme in relation to course file content.
8. Resource Person for Measurement of Construction Works I (BQS401), 2015 - Current, Responsible for the planning, coordination, implementation, evaluation and improvement of the course guided by many guidelines from Faculty and UHEK.
9. Resource Person for Oil & Gas (Technology & Management) (BQS667), 2015 – Current, Responsible for the planning, coordination, implementation, evaluation and improvement of the course guided by many guidelines from Faculty and UHEK.
10. . Academic Advisor, 2011-Current, Centre of Studies for Quantity Surveying.

Work and Collaboration Experience

Awards & Recognitions

Penyelidik Terkehadapan (Vanguard) Universiti Teknologi Mara (Green Technology & Sustainable Development) (2013)

Contribution to Society

- FSPU Alumni Homecoming Seminar organised by UiTM at Dewan Agung Tuanku Canselor, UiTM Shah Alam, 30 October & 1 November 2014, Committee.
- Programme of Jalanan Kasih organised by FSPU UiTM Shah Alam at UiTM Shah Alam, 3 December 2014, Committee.

- Programme of QS Registration Scheme (PQRS) organised by BQSM & RMU FSPU UiTM Shah Alam at Dewan Sri Budiman, UiTM Shah Alam, 31 October 2016, Committee.

Other Activities