

Name

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Quantity Surveying Department
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Areas of Expertise

Measurement of Civil Engineering and Construction Works, Innovation Construction Technology, Project and Construction Management

Personal Information

Nor Azmi Ahmad Bari is a Senior Lecturer who is currently attach to the Centre of Studies for Quantity Surveying, Faculty of Architecture, Planning and Surveying, Universiti Teknologi MARA, Shah Alam. She holds a BSc. (Hons.) in Quantity Surveying from Universiti Teknologi Malaysia and MSc. in Building Technology from Universiti Sains Malaysia. She was the Head of the Quantity Surveying Department since August 2003 – Nov 2004.

She was the committee member of the publication of the first edition of Malaysia Standard Method of Measurement of Civil Engineering Works (CESMM) published by the Construction Industry Development Board Malaysia (CIDB), a standard method of measurement document used to ensure the efficient, competitive, and productive procurement and delivery process of civil engineering works in the Malaysian construction industry. She was actively involved in contributing her expertise in quantity surveying field with the Examination Board of Royal Institution of Surveyors, Malaysia (RISM) from 2009 until 2017.

She has authored and co-authored in several articles on Industrialised Building Systems (IBS), Value Management and Lean Construction fields. Her main area of interest is on Project and Construction Management particularly in the area of Modern Method/Innovative of Construction, Lean Construction, Cost Management and Value Management.

Academic Qualifications

- 1) MSc. In Building Technology, Universiti Sains Malaysia, Penang
- 2) BSc. (Hons) in Quantity Surveying, Universiti Teknologi Malaysia
- 3) Diploma in Quantity Surveying, Universiti Teknologi Malaysia

Teaching and Learning

She has conducted classes/lectures on various courses for teaching and learning in the university which covering mainly in Measurement of Quantities for Building and Civil Engineering Works as one of the core courses. Other than the measurement courses, she also focuses other courses such as Construction Technology, Building Services, Analyses of Prices, and Principles of Structures.

Student Supervision

She has also supervised numerous students Bachelor Degree's and Master Degree students in various areas of research topics. Areas of supervision of her interest are mainly covers Quantity Surveying Practices, Project and Construction Management, Innovative Construction/Industrialised Building System (IBS), Construction Cost Management, Value Management, Facilities Managements, Maintenance Management and many others.

Publications

1. Muhammad Shahfarhan Mohamad Yassin, Aini Jaapar, Mohd Arif Marhani & **Nor Azmi Ahmad Bari** (2023); Sustainable Success Framework of Value Management/Value Engineering in Malaysian Public Housing Projects: Research Methodology, Chemical Engineering Transactions, 106, 325-330.
2. Natasha Kamilia Mohamad Nor Zaki, **Nor Azmi Ahmad Bari**, Aini Jaapar, Mohd Arif Marhani (2022), A study on the indoor air quality (IAQ) at primary school in Industrial Area: A case study to Sekolah Kebangsaan Pasir Gudang 3 (SKPG3)
3. 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.
4. 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.
5. Mohd Arif Marhani, **Nor Azmi Ahmad Bari**, Khairani Ahmad & Aini Jaapar. (2017). The Implementation of Lean Construction Tools in Malaysia. The Italian Association of The Chemical Engineering. AIDIC Servizi S.r.l.. Vol. 61, 2017. ISBN 978-88-95608-51-8; ISSN 2283-9216.
6. Assoc. Professor Sr. HJH. Khairani Ahmad, Mohd Arif Marhani, **Nor Azmi Ahmad Bari** & Assoc. Professor Dr. Hjh. Aini Jaapar. (2017). Lean Construction Tools for Reducing Construction Waste in The Malaysian Construction Industry
7. Aini Jaapar, Norzita Said & **Nor Azmi Ahmad Bari** (2015). Workplace Stress Model for Malaysian Quantity Surveyors. Australian Journal of Basic and Applied Sciences, 9 (April), 211-214.
8. Mohd Arif Marhani, **Nor Azmi Ahmad Bari**, Khairani Ahmad and Aini Jaapar (2015). Lean Construction Tools Strategies in Construction Projects: Research Methodology. Advances in Environmental Biology, 9(27) December 2015, 424 – 428.
9. 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

10. Mohd Arif Marhani, **Nor Azmi Ahmad Bari**, Khairani Ahmad, Aini Jaapar. (2015). Lean Construction Tools Strategies in Construction Projects: Research Methodology. *Advance in Environmental Biology Journal*. 420-423.
11. Aini Jaapar, Ramlan Dahlan & **Nor Azmi Ahmad Bari** (2015). Healthcare Facilities Management: A Case Study on Privatisation of Linen and Laundry Management Services in Malaysian Public Healthcare System. *Australian Journal of Basic and Applied Sciences*, 9(April), 129-132.
12. Aini Jaapar, Mohd Arif Marhani & **Nor Azmi Ahmad Bari** (2015). Green Lean Construction Tools Framework for Malaysian Construction Industry. *Australian Journal of Basic and Applied Sciences*, 9 (April), 68 – 71.
13. 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. doi:10.1016/j.sbspro.2013.07.18
14. Nur Amani Maznan, Aini Jaapar, **Nor Azmi Ahmad Bari** & Mardhiah Zawawi (2013), Value Management: Private Sector's Perception. *AcE-Bs 2012 Bangkok*. Jilid 50 (2012), pp: 383-391
15. Marhani, M. A., Jaapar, A., & **Bari, N. A. A.** (2012). Lean Construction: Towards Enhancing Sustainable Construction in Malaysia. *Procedia - Social and Behavioral Sciences*, 68, 87–98. doi:10.1016/j.sbspro.2012.12.209
16. **Nor Azmi Bin Ahmad Bari**, Nor Ainah Abdullah, Rosnah Yusuff, Napsiah Ismail, Aini Jaapar & Norizan Ahmad (2012), Environmental Awareness and Benefits of Industrialised Building System (IBS) Projects. *Elsevier Ltd. Selection*. Jilid 50 (2012), pp: 392-404
17. Aini Jaapar, Mardhiah Zawawi, **Nor Azmi Ahmad Bari** & Norizan Ahmad (2011). Value Management in the Malaysian Construction Industry Addressing a Theory and Practice Gap. *Elsevier Ltd. Selection*. Jilid 35 (2012) pp: 757-763.
18. **Nor Azmi Bin Ahmad Bari**, Rosnah Yusuff, Napsiah Ismail, Aini Jaapar & Norizan Ahmad (2011), Factor Influencing the Construction Cost of Industrialised Building System (IBS) Projects. *Elsevier Ltd. Selection*. Jilid 35 (2012), pp: 689-696
19. Aini Jaapar, Intan Rohani Endut, **Nor Azmi Ahmad Bari** & Roshana Takim (2009). The Impact of Value Management Implementation in Malaysia. *Journal of Sustainable Development, Canadian Centre of Science and Education*, ISSN 1913-9063 (Print), ISSN 1913-9071 (on-line), Vol 2 No 2 2009.
20. Aini Jaapar, Roshana Takim, Intan Rohani Endut & **Nor Azmi Ahmad Bari** (2008). Value Management Guidelines for the Malaysian Construction Industry. *ALAM CIPTA International Journal on Sustainable Tropical Design Research & Practice* ISSN 1823-7231, Vol. 3 (Issue 1) December 2008.
21. **Nor Azmi Ahmad Bari**, Mohamad Razali Abdul Kadir, Napsiah Ismail, Rosnah Mohd Yusuff (2008), Exploring the Types of Construction Cost Modelling for Industrialised Systems (IBS) Projects in Malaysia, The 1st International Conference on Industrialised, Integrated, Intelligent Construction, Loughborough, United Kingdom, 14-16 May 2008

Research Grants and Contracts

Completed

1. Assoc. Prof. Dr Aini Jaapar & **Nor Azmi Ahmad Bari**. The Contribution of Behavioural Factors towards Sustainable Application of Value Management. 2012-2014. UiTM Excellence Fund
2. Assoc. Prof. Khairani Ahmad, Mohd Arif Marhani, Assoc. Prof. Dr Aini Jaapar, **Nor Azmi Ahmad Bari**; Lean Construction Framework; Sept 2014-August 2016; FRGS/2/2014 UiTM
3. **Nor Azmi Ahmad Bari** & PM Dr Aini Jaapar. Parametric Cost Estimating Model for Building Construction Project at Conceptual Stage. 1st March 2010 until 29th February 2012 (Funding: FRGS) Research Fundings National Level Active Research Funding

4. Research on Accreditation Assessment Workbook for the Quantity Surveying Programme- Menyediakan buku kerja (workbook) untuk kegunaan panel penilai ketika membuat penilaian dokumen dan lawatan akreditasi program Ukur Bahan peringkat Diploma dan Sarjana Muda. UiTM (Jabatan Ukur Bahan) & University of New Castle UK. Board of Quantity Surveying and Institution of Surveyors, Malays, August 2002.
5. Research for Accreditation Guidelines on Syllabus Content Menyediakan modul dan garis panduan kursus-kursus bagi program Diploma dan Sarjana Muda Ukur Bahan. UiTM (Jabatan Ukur Bahan) dan University of New Castle UK. Board of Quantity Surveying and Institution of Surveyors, Malaysia, October 2011
6. Research on Syllabus Content Analysis for Quantity Surveying – Diploma Programme Menyediakan analisis perbandingan kandungan silibus program Ukur Bahan IPTA & IPTS di Malaysia bagi peringkat Diploma. UiTM (Jabatan Ukur Bahan) dan Universiti of New Castle UK. Board of Quantity Surveying and Institution of Surveyors, Malaysia. December 2010
7. Compilation of Elemental Cost Analysis of Building for Building Cost Information Centre, ISM.

Consultation & Expertise

Consultancy (Expert Service and Training):

1. Preparation for the first edition of Civil Engineering Standard Method of Measurement (CESMM) with Construction Industry Development Board (CIDB), 2003, localized standard method of measurement for civil engineering work in Malaysian construction industry.
2. Attended all Workshops and series of promotion for the use of CESMM for Malaysian construction industry.
3. Reviewer for the manuscripts for publication in Refereed journal Construction Management and Economic and Journal of Financial Management of Property and Construction

Services & Administration

Head of the Quantity Surveying Department since August 2003 – Nov 2004.

Awards & Recognitions

1. Anugerah Perkhidmatan Cemerlang UiTM, Year 2012, Tan Sri Dato' Sri Prof. Ir. Dr. Sahol Hamid Abu Bakar, The Vice Cancellor of UiTM
2. Anugerah Perkhidmatan Cemerlang UiTM, Year 2004, Dato' Seri Prof Dr Ibrahim Abu Samah, The Vice Cancellor of UiTM

Professional Activities/Contribution

1. Examiner for Professional Examination: Direct Final (QS), Royal Institution of Surveyors Malaysia (2012-2017)