



Fakulti
Senibina,
Perancangan
dan Ukur

Academic Curriculum Vitae

MOHD REZA ESA (Ts, Dr)

Senior Lecturer (FSPU)

Centre of Studies for Construction
Faculty of Architecture, Planning and Surveying
Universiti Teknologi MARA,
40450 Shah Alam,
Selangor, Malaysia.

Research Interest Group
Research Nexus UiTM (ReNeU): Energy & Environment (EE)

+603-5544 4340 / +6013-362 7313
mohdreza@uitm.edu.my



Areas of Expertise

Construction & Demolition Waste Management, Industrialised Building System (IBS), Environmental Management, Circular Economy

Personal Information

Mohd Reza Esa,
237336
Centre of Studies for Construction

Academic Qualifications

PhD in Sustainable Construction, 2018, The University of Queensland, Australia
Master in Building Science, 2008, National University of Singapore
Bachelor in Construction Management (Hons.), 2006, Universiti Teknologi MARA (UiTM), Malaysia
Diploma in Building, 2004, Universiti Teknologi MARA (UiTM), Malaysia

Professional Members

1. Malaysia Board of Technologists (MBOT), Professional Technologist, 2018-2020

Teaching and Learning

1. Master, March 2018 till now, Budgetary Control and Financial Management, Lecture
2. Master, March 2018 till now, Design Process and Construction Management, Lecture

3. Master, March 2018 till now, Research Methodology and Methods, Lecture
4. Degree, May 2008 till now, Construction Economics II, Lecture & Tutorial
5. Degree, May 2008 till now, Construction Technology, Lecture & Tutorial

Student Supervision

1. Mohd Fadzilah bin Samsuri (2020720919), An Improvement in Processing And Providing The Final Account Document In Government Construction Project, Semester 2019/2020, Phd

Publications

1. Article and Journal

Esa, M.R., Halog, A., Rigamonti, L., 2017, Developing strategies for managing construction and demolition wastes in Malaysia based on the concept of circular economy, Journal of Material Cycles and Waste Management, Springer Japan, Main Author

Esa, M.R., Halog, A., Rigamonti, L., 2017, Strategies for minimizing construction and demolition wastes in Malaysia, Resources, Conservation and Recycling, Elsevier, Main Author

Esa, M.R., Marhani, M.A., Yaman, R., Adnan, H., 2011, Obstacles in implementing green building projects in Malaysia, Australian Journal of Basic and Applied Sciences, AENSI Publisher Main Author

Samsuddin, N., Takim, R., Nawawi, A.H., **Esa, M.R.**, 2015, Critical Components Contributing to Disaster Resilience Hospitals, Australian Journal of Basic and Applied Sciences, AENSI Publisher Co-Author

2. Proceeding Paper

Esa, M.R., Halog, A., Zulkepli, J., Rigamonti, L., Shaari, S.M., 2019, A Circularity-based Planning Approach for Construction and Demolition (C&D) Waste Management: A Case Study of Malaysia, International Conference on Built Environment and Engineering (IConBEE), MATEC Web of Conferences, Main Author

Esa, M.R., Halog, A., Rigamonti, L., 2016, Influencing Factors of Construction and Demolition (C&D) Wastes Generation in Malaysia, 1st INTERNATIONAL CONFERENCE ON LIVEABLE BUILT ENVIRONMENT (ICLBE), Universiti Sains Malaysia (USM), Main Author

Esa, M.R., Halog, A., Rigamonti, L., Ismail, F.Z., 2015, Circular Economy Potential: Waste Minimization Strategy in the Construction Industry, 8th Making Cities Liveable Conference, Liveable Cities for the Future, Association for Sustainability in Business Inc., Main Author

Esa, M.R., Halog, A., Rigamonti, L., Ismail, F.Z., 2015, Waste Management in Construction Industry: A Review on the Issues and Challenges, International Conference on Environmental Research and Technology (ICERT 2015) Universiti Sains Malaysia (USM), Main Author

3. Chapter(s) in Book

Nordin, R.M., Radzi, R.F.M., **Esa, M.R.**, 2019, Issues In Integrating Lean Concept In The Construction Project, Management & Leadership Series 2, 978-967-2806-99-3, Penerbit UTHM, Co-Author

Mohamad, N., **Esa, M.R.**, Nordin, R.M., Critical Success Factors in Implementing Green Construction: The Developers' Perspective, Management & Leadership Series 3, 978-967-2916-59-8, Penerbit UTHM, Co-Author

Research Grants and Contracts

1. Mohd Reza Esa, Roshana Takim, Abdul Hadi Nawawi, 2012-2014, Engineering and Construction (E&C) Disaster Resource Partnership (DRP) Model in Malaysia, RAGS – Ministry of Higher Education, RM40,000, Principal Investigator
2. Roshana Takim, Abdul Hadi Nawawi, Mohd Reza Esa, 2012-2014, An Integrated Value Management (IVM) Model of Process Improvement of Design and Build (D&B) Projects, Research Incentive Faculty (RIF) – RMI, RM32,000, Members

Consultation & Expertise

1. Pyro Tech Sdn. Bhd., Sound Insulation Property of Fire Door, University, 2012, Principal Investigator
2. Pertac Resources Sdn. Bhd., Laboratory Sound Absorption Measurements, University, 2012, Principal Investigator
3. Millennium Release Sdn. Bhd., Laboratory Sound Absorption Measurements, University, 2012, Principal Investigator
4. Cavalier Concepts Sdn. Bhd., Sound Transmission Loss of Blockwork, University, 2012, Principal Investigator
5. Bahagian Latihan dan Pendidikan MARA, Introduction to Structure, National, 2012, Members

Innovation, Commercialization & Entrepreneurial

1. Lab-based Teamate, e-Content Development, University, 2020, Members
2. Construction Technology_infrastructure Works, e-Content Development, University, 2020, Members
3. Aluminium Standing Index of Facades, Invention, Innovation & Design (IID), University, 2010, Principal
4. Aluminium Standing Index of Facades, Malaysia Technology Expo (MTE), National, 2010, Principal

Services & Administration

1. Coordinator, 1 January 2020 to 31 December 2021, Curriculum Coordinator for Centre of Studies for Construction, Enhancing the curriculum of the program with the needs of industry
2. Resource Person, 3 September 2019 to 2 September 2022, Construction Economic, Handling the curriculum matters related to the course.
3. Resource Person, 3 September 2019 to 2 September 2022, Budgetary Control and Financial Management, Handling the curriculum matters related to the course.

Work and Collaboration Experience

Awards & Recognitions

1. Excellent Service, Faculty of Architecture, Planning and Surveying, University, 2012

Contribution to Society

1. Construction Management Festival (ComFEST), Centre of Studies for Construction, Faculty of Architecture, Planning and Surveying, University, 2019, Member

Other Activities

1. Sukan Antara Staff Shah Alam (SASSA), Faculty of Architecture, Planning and Surveying, Chief-of-Contingent, University, 2018