



WAN ZURIEA WAN ISMAIL (Sr DR)

Senior Lecturer

Centre of Studies for Building Surveying
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Areas of Expertise

Facilities Management, Building Performance, Green Roof

Personal Information

Wan Zuriea Wan Ismail,
Centre of Studies for Building Surveying
Sustainable Heritage Environment Research Group

Academic Qualifications (PhD, Master, Degree, Diploma, Certificate/others,[year+University])

Doctor of Philosophy in Facilities Management, Universiti Teknologi Malaysia (UTM)
Master in Facilities Management, Universiti Teknologi MARA (UiTM)
Bachelor of Building Surveying (Hons), Universiti Teknologi MARA (UiTM)
Diploma in Architecture, Institut Teknologi MARA (ITM)

Professional Members (Name of Body/member, Position, Duration)

1. Royal Institution of Surveyors Malaysia (RISM), Full Membership (Sr), M4571
2. Royal Institution of Surveyors Malaysia (RISM), Registered Building Surveyor (No Sijil Praktis: 00040)

Teaching and Learning (Level of Degree, Semester, Course Name, Action)

1. Master of Science Facilities Management (AP779)
 - BSB709 Integrated Simulation Facilities Management Project
2. Bachelor of Building Surveying (Hons) (AP229)
 - BSR402 Building Construction and Materials I
 - BSR414 Technical Drawings
 - BSR452 Building Construction and Materials II
 - BSR464 Computer Aided Design
 - BSR553 Building Design and Refurbishment
 - BSR607 Maintenance and Facilities Management
 - BSR657 Integrated Simulation Project

Student Supervision (Student Name and ID, Thesis/Dissertation Title, Semester, Level of Supervision, Action)

Postgraduate by Coursework (Master) (Main Supervisor)

1. **SITI HAMIDAH BT HUSAIN**: A Communication Technologies (ICT) Application in Green Building and Conventional Building
2. **AHMAD ASYRAF ROSLI**: Green Retrofits - Opportunities for Savings in Existing Buildings
3. **SYED MOHAMAD FAHMI Wafa Bin Syed Jalaluddin**: Comparison of Customers' Satisfaction towards Facilities Management of Shopping Mall between Private and Government Ownership

Undergraduate Final Year Project Academic (Main Supervisor)

1. **NURUL NAZREEN NADHJIHAH BINTI SAPRI** (2019893588): Assessment of Prayer Room Design Standards at Shopping Complexes in Kuching, Sarawak
2. **MUHAMMAD AFIQ AMIRNUDDIN BIN EPENDY** (2020995393): The Implementation of Rain Water Harvesting System at Residential Building in Seri Manjung, Perak
3. **CYNTHIA ANAK RICHARD** (2018676484): Resident's Perception on the Implementation of Green Concept at Residential Buildings
4. **NUR FARIHA BT AZHAR** (2019630764): Issues on Construction Waste Management at Construction in Klang Valley
5. **HAMZAH FARIS HILMI BIN HABRI** (2019893184): User's Satisfaction Towards Maintenance of Public Toilets at Urban Park in Shah Alam, Selangor
6. **HUSNA ATHIRAH BINTI ROSLAN** (2019468014): Improving Waste Management at Hotel in Kelantan

7. **MUHAMMAD IZZAT AIMAN BIN NOR AZAMI** (2018683102): Assessing Active Fire System for Lecture Hall Building at Public Universities
8. **NUR IZZATI FADHLINA BINTI ROSLAN** (2019814346): Variation Order On Construction of Public Health Clinic in Dungun, Terengganu
9. **ROBECCACIA ANAK WILLIAM** (2018680124): The Application of Building Information Modelling (BIM) in Sarawak Industrialized Building System (IBS)
10. **SOFIA UZAIFFIFI BINTI YUSOP** (2018238282): The Implementation of Extensive Green Roof System in Urban Area
11. **ZULIA AFIKAH BINTI ZAIRANI** (2019695404): Issues On Worker's Safety at Residential Construction Site in Kelantan
12. **HAZREEZAN BIN SARIP** (2019594261): Strategy for Maintenance of Rain Water Harvesting System at High Rise Commercial Buildings
13. **MUHAMMAD SHAHRULNIZAM BIN KHOHAR** (2017317347): Challenges in Maintenance Management of Hostel at UiTM
14. **NURUL AQILAH BT ZULKARNAIN** (2017655194): The Application of Vertical Greening System at Commercial Building
15. **NUR NAJADTUL SYAHIRA BT ABD RAZAK** (2017283738): Maintenance Practice of Green Roof at Office Buildings
16. **AIMI SYAHIRA BINTI MARZUKI** (2018262204): Challenges in Maintaining Green Office Building
17. **NUR AIMI BINTI ABDULLAH** (2017653248): The Effectiveness of Rainwater Harvesting System at Green Mosques
18. **ANIS AZIERA BINTI RAZAK** (2016283398): Best Wall Cladding Material Protects the Building from Fire Risk
19. **MUHAMMAD ZARIFF BIN ABD RAZAK** (2017639306): The Awareness Level and Problems Faced By The Local Contractors Towards The Implementation of IBS
20. **NUR HANIS NABILA BINTI MOHD FAUZI** (2016283374): Assessing Safety Implementation Strategy of Small Construction Firms in Kuantan
21. **NURDIANA BINTI SAJALI** (2017655302): The Impact of Building Materials on Human Health at Construction Site
22. **MUHAMMAD LUTFIL HADI BIN OSMAN** (2017307297): Space Management and Utilization of Shop Lot Buildings as an Institute of Higher Learning
23. **SITI NOR ISNANI BINTI YAAKUB** (2016522997): Barriers in Green Building Practices among Developers in Klang valley
24. **AIDA NURDINI BINTI ZAIDI** (2016596053): End User's Satisfaction Level Towards Green Shopping Mall Building

Publications (Author Name, Year, Title, Place of Publication, Publishers, Action/Role)

Wan Zuriea Wan Ismail, Mat Naim Abdullah (2019), A review of methods for estimating carbon sequestration at intensive green roofs. International Journal of Real Estate Studies INTREST 13(1)/2019, 30-39 ISSN: 1832-8505

Wan Zuriea Wan Ismail, Mat Naim Abdullah and Adi Irfan Che-Ani (2019) A review of factors affecting carbon sequestration at green roofs. Journal of Facilities Management. Vol. 17 No. 1, pp. 76-89. ISSN: 1472-5967

Wan Zuriea Wan Ismail & Mat Naim Abdullah (2018) An overview of green roof development in Malaysia and a way forward. 3rd International Conference on Applied Science and Technology (ICAST'18) AIP Conference Proceedings 2016, 020058 (2018)

Wan Zuriea Wan Ismail & Mat Naim Abdullah (2016) Mitigating Climate Change through Green Roof Implementation: A Review of Significant Literature. Journal of Architecture, Planning & Construction Management, Volume 6, Issue 2, 2016

Wan Zuriea Wan Ismail, Nor Rima Muhamad Ariff, Sabarinah Sh. Ahmad, Hikmah Kamarudin (2015) Green Roof Maintenance towards Sustaining Neighbourhood Spaces of High-Rise Residential Developments in Malaysia. Advanced Science Letters, 22(5-6), 1502-1508.

Wan Zuriea Wan Ismail, Zarina Isnin (Ithnin), Sabarinah Sh. Ahmad, Hikmah Kamarudin, Nor Rima Muhamad Ariff (2015) Challenges of Implementing Green Roofs on High Rise Apartments in the Klang Valley Urban Area in Malaysia. Advanced Science Letters, 22(5-6), 1497-1501.

Wan Zuriea Wan Ismail, Sabarinah Sh. Ahmad, Hikmah Kamarudin, Zarina Ithnin (2014) Green Roofs Benefits; Perception by Malaysian Residential Highrise End Users, International Civil and Infrastructure Engineering Conference (INCIEC 2014). ISBN: 978-981-287-289-0

Wan Zuriea Wan Ismail, Sabarinah Sh. Ahmad, Ahmad Ezanee Hashim, Zarina Isnin (Ithnin), Irwan Moohamad Ali (2009), Perception Towards Green Roof in Malaysia, MICRA 2010 Conference UiTM Shah Alam. ISBN No: 978-967-0171-02-9

Research Grants and Contracts (Author Name, Year, Title, Grant, Amount, Action/Role, Status)

Research Incentive Faculty Fund (RIF)

Funder: Universiti Teknologi MARA

Title: Sustainable Malaysian Residential High-rise Green Roofs for End Users

Amount of Grant: RM 32,000.00

Responsible: Principal Investigator

Period of Grant: 1 Nov 2012 – 31 Oct 2014 (Completed)

RAGS

Funder: Universiti Teknologi MARA

Title: Malaysian High Rise Residential Buildings Intensive Green Roofs Maintenance Framework

Amount of Grant: RM50,000.00

Responsible: Principal Investigator

Period of Grant: 15 September 2013 – 14 September 2015 (Completed)

Consultation & Expertise (Appointment, Organization, Title, Level, Year, Action/Role)

Scope: Consultancy Service to Develop a comprehensive Business Plan for The Establishment of UiTM Asset Management Sdn. Bhd (UAMSB)

Amount: RM30,000

Date: 2012(Completed)

Roles: Member

Innovation, Commercialization & Entrepreneurial (Project Name, Type of Project, Title, Level, Year, Action/Role)

None

Services & Administration (Position, Duration, Level of Position, Main Job/Action)

None

Work and Collaboration Experience (Position, Duration, Name of Organization, Main Job/Action)

1. Senior Lecturer (2017-Present): Centre of Studies for Building Surveying, Faculty of Architecture, Planning and Surveying, Universiti Teknologi MARA, Shah Alam, Selangor
2. Lecturer (2010-2016): Centre of Studies for Building Surveying, Faculty of Architecture, Planning and Surveying, Universiti Teknologi MARA, Shah Alam, Selangor
3. Part Time Full Time Lecturer (2008): Department of Building Surveying, UiTM Sri Iskandar, Perak
4. Designer (2005-2007): ZAAS Reka (Design and Built Contractor), Shah Alam, Selangor
5. Project Executive (2001-2004): Lokasi Damai Sdn Bhd, Shah Alam, Selangor
6. Assistant Architect (1997-2000): Arkitek AliranCipta, Taman Tun Dr Ismail, Kuala Lumpur

Awards & Recognitions (Name of Award, Organization, Title, Level, Year, Action/Role, Achievement)

6th Built Environment Undergraduate Research Competition (BEURC) Sub-Theme 4: Building and Construction, 2021, Supervisor- GOLD AWARD

The Virtual International e-Content Development Competition 2021, Member, SILVER AWARD

Entrepreneurship Acculturation Program & OCOSOP Workshop, 2020, Member, BRONZE AWARD

5th International Built Environment Undergraduate Research Competition (BEURC), 2020, Supervisor-
BRONZE AWARD

Contribution to Society (Name of Program, Organization, Title, Level, Year, Action/Role, Achievement)

RISM Young Achievers' Award Session 2020/2021- Committee

Other Activities (Name of Program, Organization, Title, Level, Year, Action/Role, Achievement)

Royal Institution of Surveyors Malaysia (RISM), Building Surveying Divisional Session 2020/2021- Member

RISM Editorial Board Session 2020/2021- Member

Malaysian Association of Facilities Management (MAFM), Member

Kursus Sijil Perancangan Bandar dan Wilayah (AP009). Anjuran Kerajaan Negeri Sarawak, UiTM dan CCM, 2014-2015, Tenaga Pengajar.