

NORISHAHAINI MOHAMED ISHAK (Ts.)

Senior Lecturer (FSPU)

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

Research Interest Group
Research Nexus UiTM (ReNeU)

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norish@uitm.edu.my



Areas of Expertise

Building Performance, Microclimate, Thermal Comfort Studies, Sustainable Design

<https://expert.uitm.edu.my/profile.php?id=8GDcT1UBdF9Ao81mj69/i1wfuMctPQZeZw+xgFk7isw=>
https://www.researchgate.net/profile/Norishahaini_Mohamed_Ishak
<https://scholar.google/citations?user=rqX9KmYAAAAJ&hl=en&oi=ao>

Personal Information

Norishahaini Mohamed Ishak,
Centre of Studies for Construction
Research Interest Group

Academic Qualifications

Master in Building Science, 2008, National University of Singapore
Bachelor in Construction Management (Hons.), 2006, Universiti Teknologi MARA (UiTM), Malaysia
Diploma in Civil Engineering, 2000, Universiti Teknologi MARA (UiTM), Malaysia

Professional Members

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

Teaching and Learning

1. Master, ICP863 – Management of Property And Environment, Lecture
2. Bach. Degree, BCM513 – Environmental Science & Engineering I, Lecture, Tutorial
3. Bach. Degree, BCM553 – Environmental Science & Engineering II, Lecture, Tutorial
4. Bach. Degree, CMA433 – Building Environment Systems, Lecture, Tutorial

5. Bach. Degree, BCM673 – Project Evaluation & Development, Lecture & Supervision

Student Supervision

No	Student name	Title	Role
<u>Master</u>			
1)	Zaily Nurakma Bt Zulkefle (2018473678)	Challenges On Maintenance Operation Of Building Envelope For High Rise Building	Main Supervisor
<u>Bachelor</u>			
1)	Eudora Amber Sion (2019725491)	A study of outdoor thermal comfort of urban open park in Kuala Lumpur	Main Supervisor
2)	Muhammad Haziq Bin Zainon Nawawi (2019524833)	Outdoor thermal comfort of elevated pedestrian walkway: A field study in Kuala Lumpur	Main Supervisor
3)	Sahira Ilyana Binti Shaharuddin (2017674828)	A study of outdoor thermal comfort of urban pedestrian street in Kuala Lumpur	Main Supervisor
4)	Norman Haiqal Bin Dahlan (2019702355)	Improving Indoor thermal comfort: The impact of hydrogel wall panel on indoor air temperature	Main Supervisor
5)	Fariza Fatini Binti Mohamad (2019704981)	The impact of air temperature on shaded pedestrian spaces in Kuala Lumpur	Main Supervisor

Publications

1. **N.M. Ishak**, W.N. Hien, H.S. Jenatabadi, N.A. Mustafa, E.M.A. Zawawi, The Effect Of Building Facade Reflectivity On Urban Dwellers In Tropics, *IOP Conference Series: Earth and Environmental Science* 385 (1), 012059
2. E.M.A. Zawawi, A.Z. Azaiz, S.N. Kamaruzzaman, **N.M. Ishak**, F.N.M. Yussof, Indoor Air Quality (IAQ) Performance in Refurbished Projects: A Case Study of Two Private Schools in Selangor *MATEC Web of Conferences* 266, 02013
3. R. Yaman, S Thadaniti, J Abdullah, N Ahmad, **N.M. Ishak**, Confirmatory Factor Analysis Of Post-Occupancy Evaluation Model (POEM) For Sustainable Neighborhood Development, *IOP Conference Series: Earth and Environmental Science* 117, 012004
4. **N.M. Ishak**, W.N. Hien, H.S. Jenatabadi, M. Ignatius, R. Yaman, The Effect Of Building Facade Reflectivity On Urban Dwellers In Tropics, *IOP Conference Series: Earth and Environmental Science* 117, 012038
5. **Norishahaini Mohamed Ishak***, Nyuk Hien Wong, Steve Kardinal Jusuf, Yong Xiong Sim, Tsutomu Nagahama, Masayuki Ichinose. Impact of retro-reflective material on Urban Heat Island in tropics. *International Conference on Countermeasure to Urban Heat Island, 30-1 June, 2016, Singapore*
6. **Norishahaini M. I.**, Wong N.H., Steve K. J., Effect of Retro Reflective Film Glass on Urban Heat Island in the Tropics, *International Joint-Conference of SENVAR-iNTA-AVAN 24-26 November 2015, Universiti Teknologi Malaysia, Johor, Malaysia*

7. F. Zuhaira Ismail, M. N. Rahmat, **N. M. Ishak**, "A Study on Absorption Coefficient of Sustainable Acoustic Panels from Rice Husks and Sugarcane Baggase", *Advanced Materials Research*, Vol. 1113, pp. 198-203, 2015
8. Rostam Yaman, Hamimah Adnan, Mohd Reza Esa, and **Norishahaini Mohamed Ishak**, Redesigning A Design As A Case Of Mass Housing In Malaysia, *ARPN Journal of Engineering and Applied Sciences*, Vol. 7, No. 12, December 2012 ISSN 1819-6608
9. Rostam Yaman, Zarina Alias, **Norishahaini Mohamed Ishak**, Beauty Treatment and Spa Design from Islamic Perspective, *Procedia Social and Behavioural Sciences*, *AcE-Bs 2012 Bangkok, Sukosol Hotel, Bangkok, Thailand, 16-18 July, 2012*
10. Kamran Shavarebi Ali, **Norishahaini Mohamed Ishak** and A. R. Mohd Ridzuan, "Performance of concrete containing steel slag exposed to sulphate environment: A comparison of steel slag and natural aggregate use," *Business, Engineering and Industrial Applications (ISBEIA), 2011 IEEE Symposium on*, Langkawi, 2011, pp. 570-575.
11. Kamran, S, A., **Norishahaini, M. I.** And Abu, B. D. , Sulphate Resistance Of Normal Concrete Containing Steel Slag, *Second International Conference of Construction Industry Reserach Achievement (CIRAIC), 3-5 November 2009, Kuala Lumpur.*
12. **Norishahaini, M. I.** , Farra Zuhaira, I. And Mohd. Reza, E. , Energy Conservation Strategies: Total Building Performance Concept From Occupant's Perspective, *Proceeding of 9th SENVAR and 2nd ISESEE, International Seminar in Sustainable Environment & Architecture International Symposium & Exhibition In Sustainable Energy & Environment, 1-3 December 2008, Shah Alam*, 387-385.
13. Farra Zuhaira, I., **Norishahaini, M. I.** And Mohd. Reza, E., Total Building Performance Analysis of A Polypipe Factory : A Study in Malaysia, *Proceeding of 9th SENVAR and 2nd ISESEE, International Seminar in Sustainable Environment & Architecture International Symposium & Exhibition In Sustainable Energy & Environment, 1-3 December 2008, Shah Alam*, 447-456.
14. Mohd. Reza, E., Farra Zuhaira, I. And **Norishahaini, M. I.**, Staining Index for Colour Based Facade, *Proceeding of 9th SENVAR and 2nd ISESEE, International Seminar in Sustainable Environment & Architecture International Symposium & Exhibition In Sustainable Energy & Environment, 1-3 December 2008, UiTM Shah Alam.* 425-435.

Research Grants and Contracts

No.	Project Title	Role	Cost
1)	Solar Reflections Impact On Microclimate And Outdoor Thermal Comfort (600-Irmi 5/3/Lestari (020/2018)	Research Leader	20,000
2)	Social Pyscho-Behavioral User Experience Criteria In Green Building Index Interior Tools (600-Irmi/Dana 5/3/Got (002/2018)	Research Member	20,000
3)	Green Building Index Assessment Tools For Interior Design Projects (600-Rmi/Rags 5/3 (181/2013)	Research Member	50,000

4) Cellulose Fiber Acoustic Behavioral Theories (600-Rmi/Rags 5/3 (32/2012)	Research Member	80,000
5) Evolution Of New Green Concrete From Marine Waste Aggregate (600-Rmi/Dana 5/3/Rif (420/2012)	Research Leader	9,000
6) Development Of Sustainable Absorption Panels From Agricultural Waste (600-Rmi/Dana 5/3/Rif (270/2012)	Research Member	12,000
7) Design Guidelines Sustainable Green Roof System (600-Rmi/St/Dana 5/3/Dit (185/2011)	Research Member	8,000

Consultation & Expertise

- 1) Quantity Surveying Research and Innovation Presentation (QSRI 2019), Judge
- 2) Bahagian Latihan dan Pendidikan MARA, Introduction to Structure, National, 2012, Members

Innovation, Commercialization & Entrepreneurial

No.	Title	Year	Award	Role
1)	The Virtual National E-Content Development (ECONDEV 2020), UiTM	2020	Silver	Member
2)	Indoor Thermal Environment and Adaptation During Haze Episodes in Naturally Ventilated Residential College Building in Shah Alam, 4 th International Built Environment Undergraduate Research Competition (BEURC)	2020	Bronze	Member
3)	Particulate Matter and Level of Exposure During Haze and Non-Haze Episode in Residential College in Shah Alam, 4 th International Built Environment Undergraduate Research Competition (BEURC)	2020	Silver	Member
4)	Kamran, S. A. , Norishahaini, M. I. and Abu Bakar M. D., "Mining Sand: The Commercialisation Of Non-Conventional Material For Malaysian Concrete Industry", MALAYSIA TECHNOLOGY EXPO 2011 Invention & Innovation Awards 2011 17 February 2011, Kuala Lumpur Convention Centre.	2011	Silver	Member
5)	Kamran, S. A., Norishahaini, M. I. and Abu Bakar M. D., "Technical and Economical Viability Study for Commercialisation of Mining Sand for the Malaysian Concrete industry" R &D Competition, Invention , Innovation and Design 2010 University Technology MARA Category stuff (innovation)	2010	Gold	Member

Services & Administration

- 2019 - present **Resource Person**
Centre of Postgraduate Studies
Faculty of Architecture, Planning and Surveying, UiTM
- 2018 – Oct. 2020 **Technical Committee (Lab)**
Faculty of Architecture, Planning and Surveying, UiTM Shah Alam
- 2018 - present **Lab Coordinator**
International Linkages Coordinator
Centre of Studies for Construction
Faculty of Architecture, Planning and Surveying, UiTM Shah Alam
- 2008 - present **Academic Advisor**
Centre of Studies for Construction
Faculty of Architecture, Planning and Surveying, UiTM Shah Alam

Work and Collaboration Experience

- 2000 - 2001 **Junior Quantity Surveyor**
RDS Bina Sdn. Bhd
C-G-5 Jalan Dataran SD 1 Dataran SD PJU 9 Bandar Sri Damansara 52200
Kuala Lumpur Wilayah Persekutuan Malaysia
- 2001 - 2003 **Project Executive**
Kemuning Resources Construction Sdn. Bhd.
- 30/5/2008 – present **Senior Lecturer**
Centre of Studies for Construction
Faculty of Architecture, Planning and Surveying, UiTM Shah Alam

Awards & Recognitions

- 1) **Best Presentation Award**
Norishahaini M. I., Wong N.H., Steve K. J., Effect of Retro Reflective Film Glass on Urban Heat Island in the Tropics, *International Joint-Conference of SENVAR-iNTA- AVAN 24-26 November 2015, Universiti Teknologi Malaysia, Johor, Malaysia*
- 2) **Excellent Service Award,**
Faculty of Architecture, Planning and Surveying, 2013

Contribution to Society

'Program Komuniti Rumah Anak Yatim Nur Ekhwan Ku'
AP4265A, 13 May 2017, Head of Project.

Other Activities

8 – 9 November 2017	Organising committee	3rd International Conference on Research Methodology for Built Environment and Engineering 2017 (ICRMBEE2017), Best Western i-City, Shah Alam, Selangor
24 – 25 April 2019	Organising committee	4th International Conference on Research Methodology for Built Environment and Engineering 2019 (ICRMBEE2019), Chamcuri 10, Chulalomngkorn University, Bangkok, Thailand
2008 - present	Captain	UiTM's Volleyball player