

HIKMAH BINTI KAMARUDIN (Sr Dr)

Senior Lecturer (Building Surveying)
College of Built Environment
Universiti Teknologi MARA
40450 Shah Alam
Selangor, Malaysia

Research Interest Group
Research Nexus UiTM (ReNeU): Energy & Environment
Expertise Group: Habitat and Human Settlement

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hikmah@uitm.edu.my



Areas of Expertise

Physical Accessibility, Building Control, Conservation

<https://expert.uitm.edu.my/expert.php?#>

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

Academic Qualifications

PhD, 2021, University of Birmingham, United Kingdom – Accessibility and inclusion
Master of Science in Heritage & Conservation Management, 2008, Universiti Teknologi MARA
Bachelor of Building Surveying (Hons), 2007, Universiti Teknologi MARA
Diploma in Architecture, 1998, Institut Teknologi MARA

Professional Members

Royal Institution of Surveyors Malaysia (RISM), Member, 2010 - to date (M4569)
Registered Building Surveyor (MyRBS), 2014 - to date (M4569/039)

Teaching and Learning

Bachelor's Degree, 2019 – 2023

BSR453 Building Design, Lecture and Studio
BSR553 Building Design & Refurbishment, Lecture and Studio
BSR558 Research Methodology
BSR506 Building Control II, Lecture and Tutorial
BSR657 Integrated Simulation Project, Tutorial
BSR608 Academic Project I
BSR658 Academic Project II

October 2015 – February 2019 Study leave

Bachelor's Degree, 2015

BSS505 Building Pathology and Control I

BSS603 Building Design III

BSS608 Dissertation

BSS658 Dissertation

Student Supervision

October 2022 (Postgraduate)

1. Chen Xilong 2022401352, Barrier-free Environmental Design for Shopping Malls (PhD Candidate)
2. Anis Afiqah binti Mohd Feizol Huzairi 2021644548, The Issues on Maintenance Management Practices in the Industrial Building: A Case Study of Manufacturing Industrial Building
3. Nor Aisyah Akmal bt Mohd Faudzi 2022722299, The Impact on Operation and Maintenance (O&M) due to Improper Defect Liability Period Management to Service Apartment Building
4. Arrif Danial bin Amran 2020252385, Maintenance Management of Strata Residential Buildings in Klang Valley

March 2023 (Undergraduate)

1. Amyza binti Sazali 2021601542, Challenges in Complying with Building Regulation for House Renovation in Pasir Gudang
2. Muhammad Nazirul bin Baharuddin 2021468662, Illegal Building Renovation in Shah Alam: Awareness Among House Owners
3. Nur Alifah Ilyana binti Zolkefeli 2020862406, Safety Aspect and Design of Kindergartens Buildings
4. Miza Zulaikha binti Safri 2021853324, Factors Shaping the Public's Disinclination towards Residing in Malay Traditional House
5. Riqasha Boru Pasarebu binti Busthami Pasarebu 2021235178, Assessing the Awareness of Building Surveying Profession among Construction Industry Professionals
6. Raja Nur Syahidah binti Raja Azman 2020859876, Evaluating the Accessibility of Smart Selangor Bus Stops Design

October 2022 (Undergraduate)

1. Aiman Faez bin Mohd Khazani 2021185355, The Accessibility of Kompleks Tahir Majid, UiTM Shah Alam
2. Muhammad Hafizi bin Rosiman 2021110725, The Accessibility for Person with Disabilities at MRT Stations in Kuala Lumpur City Centre

October 2021 (Undergraduate)

1. Ahmad Hazim bin Ahmad Zaidi 2019294126, The Accessibility of Ablution Facility in Shah Alam Mosques
2. Muhamad Adam bin Mohd Harmain 2019717793, Public Awareness on Conserving Heritage Buildings in Klang Valley

October 2020 (Undergraduate)

1. Nur Anati Husna binti Norisham 2019819284, Accessibility for the Visually Impaired Person in/to Heritage Building and its Surrounding
2. Abang Abdul Hadi bin Rabaiee 2019654128, Awareness among Building Owners on Illegal Buildings in Shah Alam
3. Muhammad Hakim bin Abu 2018641692, Readiness of Heritage Buildings in Kuala Lumpur for Visitors with Hearing Impairment
4. Nur'ain Syazana binti Che Zakaria 2019814038, Facilities for People with Mobility Difficulties at Malaysian Theme Parks

5. Nur Najihah binti Mohamad Nizam 2018205692, Access and Facilities for Disabled Person in School with 'Program Pendidikan Khas Integrasi' in Sepang
6. Nasri Hazwanb bin Harizan 2019893226, Access and Facilities for PwDs inside Commercial Building and its Surrounding at Kuantan, Pahang
7. Nur Ainin Sofiya binti Rasnol' Aided 2019455052, Students' Perception on the Effectiveness of Access and Facilities for PWD in FSPU Puncak Alam

September 2019 (Undergraduate)

1. Fatin Shuhada binti Romli 2017655272, Accessibility of Shopping Mall for the Inclusion of Person with Disabilities
2. Zulhelmi Hadzri bin Mohd Hairul Khaidzir 2017639348, The Perception of Introducing New Materials on Heritage Building among Conservators in Malaysia
3. Mohammad Huzairi bin Mohammad Husni 2018250104, The Effectiveness of Access and Facilities for Person with Limited Movement Ability in Mosque (Masjid Sultan Zainal Abidin, Kuala Terengganu)
4. Muhammad Aiman Imran bin Mohd Tarmidzi 2017361989, Adaptation for Government Quarters for Person with Disabilities in Putrajaya
5. Syahmi bin Roslan 2017696196, User Perception on Access Facility for Visual Impaired in Brickfields
6. Nur Syazwani binti Kamaruddin 2017909547, Physical Barriers for People with Disabilities in Accessing Campus

Publications

1. **Hikmah Kamarudin**, Syazwani Abdul Kadir, Roslinda Alias, Rani Diana Othman, 2023, Transportation Barriers Confronted by Mobility-Challenged Travellers in Klang Valley, Planning Malaysia
2. Nurul Fadzila Zahari, **Hikmah Kamarudin**, Zuraihana Ahmad Zawawi, Robiah Abdul Rashid, Mariaty Mohd Bahari, 2023, Heritage Tourism: A Disabled Person's Rights to Engage in Social Activity, Planning Malaysia
3. Wan Zuriea Wan Ismail, Rohaslinda Ramele Ramli, Nik Nur Ramizah Adawiyah Nik Mansur, **Hikmah Kamarudin**, 2023, Assessing the Building Condition of Historic Timber Mosques in Kelantan, Built Environment Journal
4. **Hikmah Kamarudin**, Aidatul Fadzlin Bakri, Nurulhusna Qamaruz Zaman, 2022, Identifying Physical Barriers through a Real-life Experience with Mobility Difficulties City Travelers: A Go-along Interview Method, IOP Conference Series: Earth and Environmental Science
5. Nurulhusna Qamaruz Zaman, **Hikmah Kamarudin**, Aidatul Fadzlin Bakri, 2022, Exploring Participatory Placemaking in Malaysia using Embedded Ethnographies with Practitioners Approach, IOP Conference Series: Earth and Environmental Science
6. Aidatul Fadzlin Bakri, Nurulhusna Qamaruz Zaman, **Hikmah Kamarudin**, 2022, Understanding Local Community and the Cultural Heritage Values at a World Heritage City: A Grounded Theory Approach, IOP Conference Series: Earth and Environmental Science
7. Nasrudin Sharkawi, Mohamad Sufian Hasim, Hamimah Adnan, **Hikmah Kamarudin**, Rostam Yaman, 2022, The Commitment of Local Authority Offices towards Sustainable Energy Practices, IOP Conference Series: Earth and Environmental Science
8. **Hikmah Kamarudin**, Julaida Kaliwon, Yazid Sarkom, Wan Zuriea Wan Ismail, 2022, Physical Barriers Faced by Mobility-Impaired City Travellers to Perform Prayer in Mosques and *Suraus*, in Muhd Imran Abdul Razak, Ahmad Rozaini Ali Hasan, Shahril Nizam Zulkipli (Eds), *Paradigma Ilmu Islam dan Realiti Semasa* (pp. 194-205)
9. Ahmad Sharim Abdullah, **Hikmah Kamarudin**, 2022, *Risiko Tugas Berkumpulan Pelajar*, Utusan Malaysia
10. **Hikmah Kamarudin**, 2022, Make Inclusive Transportation Services a High Priority, New Straits Times

11. **Hikmah Kamarudin**, 2022, *Cabaran OKU dalam Kelestarian Sosial*, Sinar Harian
12. **Hikmah Kamarudin**, *Pelancaran Siri Webinar Perkongsian Alumni Ukur Bangunan*, 2021, UiTM News Hub
13. **Hikmah Kamarudin**, *Aksesibiliti vs Covid-19: Apa Harapan OKU?*, 2020, UiTM News Hub
14. **Hikmah Kamarudin**, Elma Dewiyana Ismail, 2020, *Pelajar Ukur Bangunan dari FSPU Rangkul Outstanding Undergraduate Award BEURC 2020*, UiTM News Hub
15. **Hikmah Kamarudin**, Elma Dewiyana Ismail, 2020, *Kerjasama antara UiTM, Malaysia dengan Universitas Bung Hatta, Indonesia*, UiTM News Hub
16. **Hikmah Kamarudin**, 2020, *Kongsian Warna Alam, Antologi Puisi Kalam Insan: Memanusiakan Manusia*, Penerbit UiTM
17. *Taskforce Pemeraksanaan Warga OKU UiTM*, 2020, Universal Design Learning and Universal Design Instruction, Unit Perkhidmatan OKU UiTM, Guideline Maker
18. *Taskforce Pemeraksanaan Warga OKU UiTM*, 2020, *Garis panduan Pembelajaran Jarak Jauh dan Pembelajaran Dalam Talian (ODL)*, Unit Perkhidmatan OKU UiTM, Guideline Maker
 - *Garis panduan ODL OKU Penglihatan*
 - *Garis panduan ODL OKU Mental*
 - *Garis panduan ODL OKU Pembelajaran (Slow Learners)*
 - *Garis panduan ODL OKU Masalah Pembelajaran (Disleksia)*
 - *Garis panduan ODL OKU Masalah Pembelajaran (Autism Spectrum Disorder)*
 - *Garis panduan ODL OKU Fizikal*
 - *Garis panduan ODL OKU Pertuturan dan Pendengaran*
19. **Hikmah Kamarudin**, 2017, *Removing Barriers for Inclusive Society*, Abstract for Image of Research Competition, University of Birmingham
20. **Hikmah Kamarudin**, 2017, *Physical Access for Disabled People's Inclusion in the City Centre*, Illustrative Short Presentation, City Conference, University of Cambridge
21. **Hikmah Kamarudin**, 2014, Nor Rima Muhammad Ariff, Wan Zuriea Wan Ismail, Zarina Isnin, Aidatul Fadzlin Bakri, *Malaysian Standard Conformity on Access and Facilities for Person with Disabilities in Public Bus Terminal Buildings*, 2014, IEEE Symposium on Business, Engineering & Industrial Applications (ISBEIA 2014)
22. **Hikmah Kamarudin**, Nor Rima Muhammad Ariff, Wan Zuriea Wan Ismail, Aidatul Fadzlin Bakri, 2014, *Malaysian Scenario on Access and Facilities for Persons with Disabilities*, Building Surveying, Facilities Management and Engineering Conference (BSFMEC 2014)
23. **Hikmah Kamarudin**, Nor Rima Muhammad Ariff, Wan Zuriea Wan Ismail, Elma Dewiyana Ismail, 2013, *Auditing Malaysian Standard Compliance for Access and Facilities for Persons with Disabilities in Local Authority Buildings and Its Surrounding*, 3rd International Conference on Universal Design in the Built Environment 2013
24. **Hikmah Kamarudin**, Ahmad Ezanee Hashim, Mahayudin Mahmood, Nor Rima Muhammad Ariff, Wan Zuriea Wan Ismail, 2012, *The Implementation of the Malaysian Standard Code of Practice on Access for Disabled Persons by Local Authority*, Procedia - Social and Behavioral Sciences
25. Mohd Salleh Daim, Aidatul Fadzlin Bakri, **Hikmah Kamarudin**, Siti Aisyah Zakaria, 2012, *Being Neighbor to a National Park: Are We Ready for Community Participant?*, Procedia Social and Behavioral Sciences

Research Grants and Contracts

1. **Hikmah Kamarudin**, Basharudin Abdul Hadi, Eliyas Sulaiman Mohandas, Rani Dania Othman, Syazwani Abdul Kadir, 2022 - 2023, Strengthening Access Audit Practice for Identifying Physical Barrier: Towards an Inclusive Built Environment, RM5000, Head
2. Wan Zuriea Wan Ismail, Hasnizan Aksah, **Hikmah Kamarudin**, Mohd Shahir Mohd Yusof, 2022 - 2024, Potential Strategy of High-rise Residential Building Intensive Greenroofs Resilience to Future Pandemics, RM10,000, Member
3. Wan Zuriea Wan Ismail, **Hikmah Kamarudin**, 2013 – 2015, Malaysian High Rise Residential Building Green Roofs Maintenance Framework, RM50,000, Member
4. **Hikmah Kamarudin**, Wan Zuriea Wan Ismail, Klang Valley Public Bus Terminal Access and Facilities, 2012 – 2014, RM32,000, Head
5. Aidatul Fadzlin Bakri, **Hikmah Kamarudin**, 2012 – 2014, Conservation Approaches in Strengthening the Identity of Ethnic Enclave, RM32,000, Member
6. Wan Zuriea Wan Ismail, **Hikmah Kamarudin**, 2012 – 2014, Sustainable Malaysian Residential High-Rise Green Roofs for End Users, RM32,000, Member

Consultation & Expertise

1. *Cadangan Kerja Pengukuran, Bangunan dan Penyediaan Pelan Ukur Bangunan Sediada (Building Measured Drawing) Bagi Menara DBKL 1, 2 dan Podium Bangunan DBKL, Jalan Raja Laut Kuala Lumpur, Untuk Tetuan Dewan Bandaraya Kuala Lumpur, 2023*
2. *Laporan Dilapidasi - Cadangan Membina dan Menyiapkan Sebuah Stesen Minyak dengan Perkhidmatan beserta Kemudahan-kemudahan yang berkaitan di atas Lot 36480 (Pt88), Seksyen 1, Pekan Tanjung Karang, Daerah Kuala Selangor, Selangor, 2023*
3. Jury for Building Surveying Award, Royal Institution of Surveyors Malaysia, 2021
4. *Panel Penilai*, Dissertation, Presentation & Exhibition (DPEX), Jabatan Kejuruteraan Awam, Politeknik Sultan Idris Shah, 2020
5. Access Auditor, 10 Buildings with Street Level Environment of Sungai Tua Area, September – December 2020, Collaboration of the Majlis Tindakan OKU Selangor (MTOS) – Unit Perkhidmatan OKU UiTM – ZasVe UM
6. *Menyediakan lakaran cadangan ruang pejabat Unit Perkhidmatan OKU UiTM dan pembentang bersama di Mesyuarat Jawatankuasa Pembangunan dan Pengurusan Fasiliti*, Pejabat Pembangunan Infrastruktur dan Infostruktur (JPPF) Bil 9/2020
7. Accessibility Adviser, Malaysian Spinal Cord Injury Advocacy Association (MASAA), 2019 – 2022
8. Speaker, *Kursus Konservasi Bangunan Warisan*, Dewan Bandaraya Kuala Lumpur, 2014
9. Paper reviewer, The 6th International Conference on Research Methodology for Built Environment and Engineering (ICRMREE), 2023
10. Paper reviewer, Malaysian Construction Research Journal (MCRJ-AQSA), 2023
11. Paper reviewer, The 4th International Conference on the Future of Asean (ICoFA), 2022
12. Paper reviewer, The 3rd International Conference on Built Environment and Engineering (IConBEE), 2022
13. Paper reviewer, The 1st International e-Conference on Green & Safe Cities (IeGRESAFE), 2022
14. Paper reviewer, Facilities, 2022
15. Paper reviewer, The 5th International Conference on Research Methodology for Built Environment and Engineering (ICRMREE), 2021
16. Paper reviewer, International Conference on Language, Education, Humanities and Social Sciences (i-LEdH), 2021
17. Paper reviewer, World Applied Science Journal (WASJ) for WASJ-IBCC, 2014
18. Guidelines Framework Panel for Kampong Bharu Redevelopment - Universal Design Group, 2013

Innovation, Commercialization & Entrepreneurial

1. Gold, GOAL Method: Identifying Physical Inaccessibility Impacts, International Invention, Innovation & Design Exposition for Built Environment and Engineering (IIIDBEE), 2023, Team Leader
2. Silver, Facility Management Service and User Satisfaction in Medium-cost Strata Residence, 3rd International Conference on Built Environment and Engineering (IConBEE), 2022, Supervisor
3. Silver, Medium-cost Strata Residence Management Service and User Satisfaction, The 7th International Built Environment Undergraduate Research Competition (BEURC), 2022, Supervisor
4. Silver, Illegal Renovation on Strata Landed Property in Pasir Gudang, Johor, The 7th International Built Environment Undergraduate Research Competition (BEURC), 2022, Supervisor
5. Gold, Facilities for People with Mobility Difficulties at Malaysian Theme Parks, The 6th International Built Environment Undergraduate Research Competition (BEURC), 2021, Supervisor
6. Bronze, Teaching-Learning Zest Added, the International Virtual Educational Invention, Innovation and Design Competition, 2020, Team Leader
7. Bronze, Mass-Customized Personal Items, Entrepreneurship Acculturation Program & OCOSOP Workshop, Faculty, 2020, Member
8. Silver, Regenerating Dewan Seri Budiman, UiTM Shah Alam, The 5th International Built Environment Undergraduate Research Competition (BEURC), 2020, Supervisor
9. Silver, Assessing the Accessibility of Shopping for the Inclusion of Persons with Disabilities through the Go-Along Interview Method, UiTM Shah Alam, The 5th International Built Environment Undergraduate Research Competition (BEURC), 2020, Supervisor
10. Bronze, Building Maintenance Enhancement for Plaza Masalam and Plaza Shah Alam: An Integrated Simulation Project, The 5th International Built Environment Undergraduate Research Competition (BEURC), 2020, Supervisor
11. *Antologi Kalam Insan: Memanusiakan Manusia* (Penerbit UiTM), Creative Work Contributor for UiTM Publication: Kongsian Warna Alam, 2020

Services & Administration

1. *Pembantu Penulis Teks Penganugerahan Istiadat Konvokesyen UiTM ke-96*, 2023
2. Coordinator, *Lawatan Akreditasi RISM*, 2021 – to date
3. Coordinator, *Program Webinar Bulanan - Perkongsian Alumni Ukur Bangunan*, 2021 – to date
4. *AJK Lawatan Pemeriksa Luar & Panel Industri*, 2021
5. *Taskforce Pemerkasaan Warga OKU UiTM*, 2020 – 2022, Member
6. Resource Person BSR506 (Building Control II), 2020 - to date
7. *Liaison Korporat Pusat Pengajian Ukur Bangunan*, 2020 - to date
8. *AJK Lawatan Panel Industri*, 2020
9. *AJK Khas Majlis Menandatangani MoU UiTM – UBH*, 2020
10. *AJK Unit Perancangan Strategik FSPU*, 2020 - to date
11. *AJK PROPENS FSPU*, 2019 - to date
12. *AJK MyRA FSPU*, UiTM 2014 – 2015
13. *AJK Kerja Home Coming Alumni FSPU*, UiTM, 2014
14. *AJK Pemilihan Buku FSPU*, 2014
15. Coordinator, *Lawatan Panel Industri dan Pemeriksa Luar*, 2014
16. *Setiausaha Pembangunan Program MSc Building Control*, 2014
17. Building Surveying Syllabus Review Committee Member, 2022 - 2023
18. Building Surveying Syllabus Review Committee Member, 2013 - 2014
19. Coordinator, *Penyediaan Kertas Soalan Peperiksaan (Pusat Pengajian)*, 2010 -2014
20. *AJK PRISMA FSPU*, 2012 – 2014

Work and Collaboration Experience

Working Experience

1. Architectural Technical Assistant, Dewan Bandaraya Kuala Lumpur, 2001 - 2009
2. Lecturer, UiTM, 2009 – 2016
3. Senior Lecturer, UiTM, 2016 – to date

Collaboration

1. Moderator, Promotion of Inclusive Society Through Universal Design of Seamless Transportation and Mobility for Inter-Generational Society, BAKTI-MIND (Malaysian Information Network on Disabilities) Project, 2015
2. Focus Group Participant, Promotion of Inclusive Society through Universal Design Public Facilities in Kuala Lumpur, BAKTI-MIND (Malaysian Information Network on Disabilities) Project, 2015
3. Moderator Match Making Session, *Sesi Dialog antara Datuk Bandar bersama Golongan OKU dan Pihak Berkepentingan*, Dewan Bandaraya Kuala Lumpur, 2015
4. *Pembentang Hasil Perbincangan - Pelaksanaan Pembangunan*, Dewan Bandaraya Kuala Lumpur, 2015
5. *Ahli Mesyuarat Koordinasi I, II dan III, Sesi Dialog Datuk Bandar*, Dewan Bandaraya Kuala Lumpur, 2015
6. *Ahli Mesyuarat Pelan Induk Bebas Halangan Kuala Lumpur*, Dewan Bandaraya Kuala Lumpur, 2015

Awards & Recognitions

1. Best Presenter, International Conference on Contemporary Muslim World (ACIS UiTM Cawangan Perak), 2021
2. Three Minutes Thesis Finalist, University of Birmingham, 2017
3. People Choice Prize, The Image of Research Competition, University of Birmingham, 2017
4. *Anugerah Perkhidmatan Cemerlang*, UiTM, 2015

Contribution to Society

1. Speaker, *Bengkel Kerusi Roda 2/2023*, Community-Based Rehabilitation (CBR) Batu Kikir, 2023
2. *Panel Webinar, Aksesibiliti vs Covid-19, anjuran Malaysian Spinal Cord Injury Advocacy Association (MASAA)*, 2020
3. Facilitator for MASAA, Public Comments MS1184:2014, 2020
4. *Ketua, Lawatan Muhibbah MASAA ke Pertubuhan Arkitek Malaysia*, 2020
5. *Ahli Bersekutu*, Malaysian Spinal Cord Injury Advocacy Association, 2019 – to date
6. Collaborative Group (CG) Inclusive Education UiTM, September – December 2020, Member
7. Facilitator, MS Word Made Easy Workshop for Malaysian PhD Researchers, University of Birmingham, 2017
8. Organiser, Learning Quran Made Easy Workshop, University of Birmingham, 2018
9. Speaker, Oh My Tajweed, Malaysian Community in Birmingham, 2017

Other Activities

1. Participant, *Pertandingan Menggubah Lagu Bertemakan OKU*, Majlis Tindakan OKU Selangor (MTOS) – Music Business UiTM, 2023
2. *Juri Sayembara Puisi Merdeka UiTM*, 2021
3. Third prize, Jawi Writing Competition (Female Staff Category), Ekspresi Gema Patriotik UiTM, 2021
4. Participant, *Sayembara Mencipta Puisi Putrajaya*, 2019

5. Participant, Roundtable with the UN-Habitat Executive Director, University of Oxford, 2018
6. Participant, Commonwealth Planning Seminar, University of Birmingham, 2018
7. Participant, Doctoral Research Conference, University of Birmingham, 2018
8. Participant, *Kembara Masjid*, Malaysian Community in Birmingham, 2017
9. Second prize, Jawi Writing Competition, Masjid Baitul Mahabbah, 2017
10. Volunteer, Audio Reading (Talking Book) for the Malaysian Association for the Blinds (MAB), 2014
11. Winner, *Pertandingan Mencipta Lagu dan Lirik Hari Kualiti UiTM*, 2011
12. Facilitator, Soft Skills Programme for FSPU Students, 2012-2014
13. Facilitator, Finishing School Programme for FSPU Students, 2010