

## MUHAMAD ZAIHAFIZ BIN ZAINAL ABIDIN

(Ts, Sr,)

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 (E&E)

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### Areas of Expertise

Project/Construction Management, Competency, Assessment, Industrialized Building System, Built Environments

<https://expert.uitm.edu.my/profile.php?id=ecqa6Ud7bozwHDyUk31gDpv5CV5BoRtg/6Z84Qj1nYY=>  
<https://prisma.uitm.edu.my/prisma/?doit=DirectoryStafByIdDetail&staffid=Vmtab2QxVnJNVFpXVkJaT1IYcFdSbFI4YU hKTIZUbFNVRI3UFE9PQ&dsff=Vmtab2QxVnJNVFpXVkJaT1IYcFdSbFI4YU hKTIZUbFNVRI3UFE9PQ>  
[https://www.researchgate.net/profile/Mzaihafiz\\_Zainal](https://www.researchgate.net/profile/Mzaihafiz_Zainal)  
<https://scholar.google.com/citations?hl=en&authuser=2&user=dKooNDUAAAAJ>

### Personal Information

Muhamad Zaihafiz bin Zainal Abidin,  
348335  
Centre of Studies for Construction

### Academic Qualifications

Master of Science in Integrated Construction Project Management, 2016, Universiti Teknologi Mara  
Bachelor of Civil Engineering with Honours, 2009, Universiti Tun Hussein Onn Malaysia  
Advance Diploma in Building Surveying, 2019 Royal Institute of Surveyor Malaysia (RISM)  
Diploma in Building Services, 2004, Politeknik Shah Alam

### Professional Members

1. Royal Institute of Surveyor Malaysia (RISM), Professional Building Surveyor, 2019 - present

2. Malaysia Board of Technologist (MBOT), Professional Technologist, 2019 - present

## Teaching and Learning

1. Master, ICP804 – Project Planning, Monitoring and Control- Principles, Tools and Technique
2. Degree, BCM634 – Management in Construction II
3. Degree, BCM673 - Project Evaluation and Development
4. Degree, CMA422 – Structural Design

## Student Supervision

1. Degree, 201976434, Muhammad Afiq Farhan Bin Mahdir, Construction project failure: Inadequate Risk Management An Overview.
2. Degree, 201955582, Miza Izzati binti Baharuzaman Identifying Risk Factor among C5 Contractors.
3. Degree, 2019630892, Muhammad Naim Rosaly, Application of Green Building in Malaysia Construction Industry.
4. Degree, 2019848598, Nursyafiqah Alyaa binti Azman, Impact of Construction Delay for Time Cost and Quality
5. Degree, 2019697062, Ainur Syazwin Binti Abdul Jamil, Monitoring The Quality of Construction Project: A Case Study for G6 Contractors
6. Degree, 2018401388, Ekasyazana Binti Mohd Kamal Bahri, Ergonomics Program to Promote Employee Healthy By Limiting Stress
7. Degree, 2019654146 – Syed Muhammad Haziq bin Syed Razali, Implications Of Safety and Health Management in Malaysia
8. Degree, 2019467946 – Muhammad Faqih Bin Mohd Faiz, Construction and fabrication of Oil And Gas Pipeline
9. Degree, 2018400828 -Muhammad Firasshafiq Bin Mohd Rosli - ICT Development in the Malaysian Construction Industry
10. Degree, 2018448594 – Norseilah binti Taulani The Challenges of IBS implementation a case study for Developer in Selangor

## Publications

1. **Zainal Abidin, M. Z.**, Hassan, F., Ramli, Z., & Alam, S. (2020). Application Of Social Media As Project Communication Tools For Construction Project : A Snapshot Review. *International Journal of Advanced Science and Technology*, 29(9), 1561–1573.

2. Rahman, R. A., Murad, N. D. H., Mohd, S. H. S., & **Abidin, M. Z. Z.** (2019). 2019 Bim Technology : Enhancing Communication in Pre-Construction Phase. *Journal of Built Environment, Technology and Engineering, Vol. 6, 6*, 50–59.
3. Karunakaran, S., Ramli, M. Z., Malek, M. A., Musir, A. A., Imran, N. F., Fuad, N. F. S. M., Zawawi, M. H., & **Zainal, M. Z.** (2018). Causes of delay on highway construction project in Klang valley. *AIP Conference Proceedings, 2030*. <https://doi.org/10.1063/1.5066883>
4. Ramli, M. Z., Malek, M. A., Hanipah, M. H., Lin, C. L., Mahamad Sukri, M. F., Zawawi, M. H., **Zainal Abidin, M. Z.**, & Mohamad Fuad, N. F. S. (2018). Study of factors influencing construction delays at rural area in Malaysia. *Journal of Physics: Conference Series, 1049*(1). <https://doi.org/10.1088/1742-6596/1049/1/012017>
5. Zainordin, N., & **Zainal Abidin, M. Z.** (2018). Sustainable Urban Transportation: Progress and Potential in Sarawak. In *PEOPLE: International Journal of Social Sciences* (Vol. 3, Issue 2, pp. 2473–2486). <https://doi.org/10.20319/pijss.2017.32.24732486>
6. Khudeir, Q. N., & **Zainal Abidin, M. Z.** (2018). A study of mechanical properties of bamboo used for lightweight concrete. *IUKL Research Journal, 6*.
7. Zainordin, N., & Zainal Abidin, M. Z. (2017). *An Insight of Sustainable Urban Transportation Progress in Sarawak. 5*(11), 58–62. <https://doi.org/10.21275/IJSER171919>
8. Ramli, M. Z., Hasnol, J. N. E., Hamid, N. B., Ismail, N., Zawawi, M. H., & **Zainal Abidin, M. Z.** (2017). Assessment of accessible facilities for disabled passenger movement in aerodrome terminals in Klang Valley. *AIP Conference Proceedings, 1885*. <https://doi.org/10.1063/1.5002308>
9. Ghazali, F. N. C., Ramli, M. Z., & **Abidin, M. Z. Z.** (2017). Assessment of Passenger Information System in Light Rail Transit Station in Klang Valley. *International Journal of Scientific Research in Science, Engineering and Technology, 3*(5), 461–465. <https://www.academia.edu/download/54440777/2836.pdf>
10. Hartika, H. A., Ramli, **M. Z.**, **Abidin, M. Z.**, & Zawawi, M. H. (2017). Study of Road Accident Prediction Model at Accident Blackspot Area : A Case Study at Selangor. *International Journal of Scientific Research in Science, Engineering and Technology, 3*(5), 466–470.
11. Ramli, M. Z., Hanipah, M. H., Hafiz Zawawi, M., **Abidin, M. Z. Z.**, Zainal, N. A., Syahiera, N., & Halim, A. (2016). Cost comparison on industrialized building system (IBS) and conventional method for school construction project. *Journal of Scientific Research and Development, 3*(4), 95–101. [www.jsrad.org](http://www.jsrad.org)

## Research Grants and Contracts

## Consultation & Expertise

1. Master Thesis Examiner, UiTM Shah Alam, Ammar Raziq bin Abd Rahman, 2020
2. Master Thesis Examiner, UiTM Shah Alam, Atiqah Azwa Bt Azeman, 2020
3. Master Thesis Examiner, Infrastructure University Kuala Lumpur, Mohamed Maged

## **Innovation, Commercialization & Entrepreneurial**

1. Entrepreneurship Acculturation Program & OCOSOP Workshop 2020, Faculty Level, Member
2. OER entitled Introduction To structural Design at The Virtual National e-Content Development Competition 2020, Leader
3. OER entitled Lab-based Teamate at The Virtual National e-Content Development Competition 2020, Member
4. OER entitled Contruccion Technology\_Infrastructure Works at The Virtual National e-Content Development Competition 2020, Member
5. Get To Know Civil Engineering Work's Quantities And Estimating at The Virtual National e-Content Development Competition 2020, Member

## **Services & Administration**

1. Resource Person (ICP 804) Project Planning, Monitoring and Control- Principles, Tools and Technique, 2020-2022, Centre of Studies for Construction / FSPU
2. Resource Person (CMA51) Project Management, 2020-2022, Centre of Studies for Construction / FSPU
3. Coordinator (Staff Development), 2020-2021, Centre of Studies for Construction / FSPU

## **Work and Collaboration Experience**

1. Member, Pensijilan Khusus Pengurusan Projek Bersepadu 3PAB, INTAN
2. Member, Construction Industry Working Group Committee for Construction Manager Program, CIDB

## **Awards & Recognitions**

1. Bronze, iCEPS, Introduction to Structural Design, National, 2020, Leader
2. Bronze, iCEPS, Contruccion Technology\_Infrastructure Works, National, 2020, Member
3. Silver, iCEPS infovideo : Clear Water from Your Tap 2020, National, 2020, Member
4. Silver, iCEPS Labs- Teamate 2020, National, 2020, Member

## **Contribution to Society**

1. Member, Pensijilan Khusus Pengurusan Projek Bersepadu 3PAB, INTAN
2. Member, Construction Industry Working Group Committee for Construction Manager Program, CIDB

## **Other Activities**