

ZULKHAIRY AFFANDY BIN MOHD ZAKI

Lecturer

School of Construction and Quantity Surveying
College of Built Environment (CBE)
Universiti Teknologi MARA,
40450 Shah Alam,
Selangor, Malaysia.

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zulkhairy86@uitm.edu.my



Areas of Expertise

Construction Economics, Building Information Modelling, Sustainable Development, Cost Estimating

Personal Information

Zulkhairy Affandy bin Mohd Zaki,
Quantity Surveying
Research Interest Group Construction Economics, Building Information Modelling,
Sustainable Development, Cost Estimating information

Academic Qualifications

Master Science in Quantity Surveying, 2016, Heriot Watt University
Bachelor of Quantity Surveying (Hons), 2011, Universiti Teknologi MARA
Diploma in Town and Regional Planning, 2007, Universiti Teknologi MARA

Professional Members

Board of Quantity Surveyors Malaysia (BQSM), Provisional QS
Malaysia Board of Technologist (MBOT), Professional Technologist

Teaching and Learning

Degree, March-October 2023, Quantity Surveying, Lecture and Tutorial

Student Supervision

Bachelor Degree

Year 2017

1. Maintenance Management of Sunway Lagoon Theme Park- Alia Syahira Binti Mohd Yusuf.
2. The Revitalizational of Abandoned Housing Project - Muhammad Farizuan Bin Nasirom
3. Post Flood River Works in Kelantan- Nik Nur Izzati Binti Nik Mohd Taufik.
4. Operational Issues in Wastewater Treatment Plant - Nur Ainie Edzanie Binti Mohammad Ridzwa
5. Level of Safety Features in Parking Facilities - Nur Zahirah Binti Mohd Sayuti
6. Built in Furniture for Soho Properties -Siti Nur Atikah Binti Mohd Yusof
7. The Maintenance Management for Ice Skating Rink at Sunway Pyramid Shopping Mall - Muhammad Faiz Bin Mohmad Fauzi
8. Maintenance Management of Bangunan Sultan Idris Shah Based on Occupants' Perception - Nur Azlin Binti Mahmud
9. A Study on How Steel Structure Can Reduce Construction Project Cost for Residential Building: Case Study - Mohamad Amir Hazim Bin Safruddin
10. Risk Management for Demolition Works - Muhammad Wajdi Bin Mazli
11. Implementation of Safety and Health in Malaysian Construction Industry: CITP Perspective - Nur Amalina Bt Mohd Talib
12. Material Management of Roadwork Construction at Congested Area - Siti Hajar Binti Hassan

Year 2018

1. A Study of Turfing Maintenance Management for Stadium Bukit Jalil - Izzat Ameer Bin Che Nadzir
2. A Shortage of Plant Operator Supply in Malaysia Construction Industry: Causes and Effects from Contractor Perspective - Nur Najlaa 'Izzati Binti Mohd Nazali
3. Accuracy Study on Producing Quantity Take-Off Using Building Information Modelling (Bim) in Malaysia - Nurul Amira Binti Muhedi
4. Risk Management Awareness Among Small Scale Contractors in Klang Valley, Selangor - Nurul Aznieta Binti Sharif
5. Risk Assessment in Heavy Lifting Operations at Construction Site - Anesa Syafiah Binti Mohd Iskandar
6. The Sustainable Building and Construction of Ikea Buildings - Noor Artekah Binti Jasmani
7. Over-Reliance of Foreign Labours In Relation to IBS in Malaysian Construction Industry - Nor Berleena Binti Mohd Azlee
8. Post Occupancy Evaluation (Poe) of Facilities Provided in National Library - Nor Hafizah Binti Abdul Manaf
9. A Study on Employers' and Graduates' Perception: Employability and Graduate Skills of Uitm Quantity Surveying Graduate - Norafifah Binti Khairul Salleh
10. Contractor's Awareness on Centralised Labour Quarters (CLQ) - Nur Farah Izzati Binti Md Nor
11. Comparative Study of Safety Features and Management of Theme Park in Malaysia - Zainal Zulkarnain Bin Zainal Abidin

Year 2019

1. A Study on The Procedures for Maintenance of Pavement in Shah Alam - Ahmad Faris Bin Anuar
2. The Implementation of Rail Transport System in Kuching, Sarawak - Dayang Norsafikah Binti Abang Safri
3. Computered Aided Software in Public Universities: Students Perception - Nazlyatul Najwa Binti

Hamka

4. A Study on What Are the Causes of Variation Order in The Construction of Sekolah Tunas Bakti, Jerantut Project - Nurul Huda Binti Mohd Asri
5. Mrt Sungai Buloh - Kota Damansara Station: A Case Study on Safety Management of Viaduct Installation - Muhammad Akid Hakimi Bin Zulkifli
6. Foreign Worker Employment in Construction Industry - Muhammad Ikram Hazim Bin Mohd Sulaima
7. Critical Success Factor for Malaysian Contractors in International Construction Projects - Nabilah Binti Mad Derus
8. Bim Application in Infrastructure Works: A Study on Mrt Projects In Klang Valley - Nur Fariyah Binti Mohamad Shokri
9. The Perspective of Construction Clients on Centralized Labour Quarters - Nurhaziqah Binti Aminuddin
10. Poor Participation of Local Workers in Malaysian Construction Industry - Siti Zulaika Binti Abdul Razak

Year 2020

1. "Bim Application In Infrastructure Works: A Study On Mrt Project (Ssp Line) In Klang Valley"- Nur Fariyah Binti Mohamad Shokri
2. A Study On Safety Management Of Viaduct Installation Package V204: Construction And Completion Of Viaduct Guideway And Other Associated Works From Bandar Malaysia South Portal To Kampung Muhibbah- Muhammad Akid Hakimi Bin Zulkifli
3. Foreign Worker Employment In Construction Industry In Malaysia- Muhammad Ikram Hazim Bin Mohd Sulaima
4. Critical Success Factors (CSFs) For Malaysian Contractors In International Construction Projects- Nabilah Binti Mad Derus
5. Poor Participation Of Local Workers In Malaysian Construction Industry- Siti Zulaika Binti Abdul Razak
6. Project And Cost Controlling Using Bim- Mohamad Rafi Bin Sh Ab Razak
7. Fire Protection System in an industrial Building: A Case Study of Coca-Cola Factory- AIDIL SYAHMIE BIN OSMAN
8. The Perspective Of Construction Clients On Centralised Labour Quarter (Clq) - Nurhaziqah Binti Aminuddin

Year 2021

1. Integration of BIM technology during feasibility studies in construction project- Mariah Marini Binti Mohd Yusof
2. Strategies In Attracting Local Labour To Construction Industry- Sakinah Zun Arif Hakim
3. The Adoption of software and Mobile Application in a way of enhancing go paperless in Quantity Surveying Practice- Aina Syahira Binti Mohamad Imran
4. Performance of Solar Energy Technology in Residential Building- Fatin Nur Izzaty Binti Aris
5. Multicultural workers in construction industry Malaysia: An analysis study on the problems and solutions- AINAA ZAWANI BINTI ANUAR
6. The Readiness of UiTM's Built Environment Women Students in Extreme Real Life Working Environment- Ummuhatul Huda Binti Awalludin
7. The Maintenance And Conservation Of Traditional Malay Building In Malaysia- Ana Syahira Binti Zainal
8. Factors To Enhance The Utilisation Of Mobile Applications In Construction Project- Maizatul Farhah Binti Yusof Za'ba

9. Strategies Used By Contractor G7 During Recession- Siti Nursahirah Binti Sauddi
10. Action Taken By The Contractor On Mitigating And Controlling The Impact Of Covid-19 Pandemic On Project Management- Saiful Ridhwan Bin Hamdan

Year 2022

1. Integration of BIM technology during feasibility studies in construction project- Mariah Marini Binti Mohd Yusof
2. Strategies In Attracting Local Labour To Construction Industry- Sakinah Zun Arif Hakim
3. The Adoption of software and Mobile Application in a way of enhancing go paperless in Quantity Surveying Practice- Aina Syahira Binti Mohamad Imran
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10. Action Taken By The Contractor On Mitigating And Controlling The Impact Of Covid-19 Pandemic On Project Management- Saiful Ridhwan Bin Hamdan

Year 2023

1. Analysis On Residents Satisfaction Towards Ppr Low-Cost High-Rise Housing (Case Study On Lembah Subang And Kota Bharu)-Nur Asha Fatimah Binti Makhtar
2. The Effects Of Advanced Technology In Enhancing Safety And Health Management Performance For Infrastructure Works- Norintan Binti Othman
3. The Challenges Of Life Cycle Assessment (Lca) Implementation For Green Buildings- Wan Ain Masyitah Binti Wan Abdul Samad
4. Awareness Among Homeowner On Property Defects And The Solutions-Nor Alya Syafiqah Binti Mohd Kamaruzaman
5. A Study On Awareness Of High Potential Of Construction Industry Career's Among Secondary Students- Natasya Atira Binti Abdul Hamid
6. Factor Lack Of Local Labors In Construction Industry Malaysia-Nurul Hidayah Binti Junaid
7. The Safety Awareness Of Construction Workers Regarding Workplace Health And Safety Standard Among Bumiputera Contractor-Nur Syazwan Atiyah Binti Mohd Shukri
8. Moving Towards Bim-Enabled Facilities Management In Malaysia-Fatin Nadirah Binti Hisham
9. An Analysis On Recent Trends And Challenges For SMEs In Facing Ir 4.0-Muhammad Hakim Bin Khairunnizam
10. The Problems Faced By Younger Generations In Buying Affordable Housing In Malaysia- Izzah Irdina Binti Abdul Razak
11. Best Practice By Mrt Corporation In The Implementation Of Shassic Assessment For Safety- Muhamad Haziq Bin Zaman Huri
12. Trend Analysis Of The Ordinary Portland Cement And Bar Reinforcement Cost, Inflation And Policy- Muhammad Faidil Bin Kamaruddin

Publications

- 1.Post Covid-19: Malaysian Contractor's Perspective on The Impacts on The Price Of Building Materials.
2. Strategies In Attracting Local Labours Into Malaysian Construction Industry
- 3.Risk Factors on Civil Engineering Projects
- 4.Challenges in Conducting Strategic Decisions in Tendering among Contractors in Malaysia.
- 5.Contractor's Barriers In Conducting Strategic Decisions In Tendering
- 6.The mediating effects of cost estimates reliability on BIM adoption: SEM model analysis
- 7.Barriers of Life Cycle Costing on Construction Consultant Practice in Malaysia
- 8.Contractor's Mistakes During Tendering
- 9.The Effectiveness Of Centralised Labour Quarters (Clq) In Malaysian Construction Project
- 10.Application Of Biophilic Design Concept In The Malaysian Construction Industry: Architects' Perspectives
- 11.Teaching And Learning-Assessment (Tnl-A) Through IERA-Stages: Strategies For BQS406 Content Development
- 12.Tnl-A Through IERA-Stages: Strategies For BQS406 Content Development
- 13.BIM Education For Quantity Surveying Students Using Revit Tools: Evaluating The Knowledge, Awareness And Perceptions
- 14.CONCEPTUALISATION OF BIOPHILIC DESIGN: ARCHITECTS' PERSPECTIVES
- 15.Teaching Legal Research And Studies For Built Environment Students In Malaysian Universities
- 16.KOMPILASI FSPU@MEDIA 2020-2021
- 17.International Virtual E-Content Development Competition (Econdev2022)
- 18.IERA-Stages: Strategies For BQS406 Content Development
- 19.OVERVIEW OF CENTRALISED LABOUR QUARTERS (CLQ) IN MALAYSIAN CONSTRUCTION PROJECT
- 20.CLQ: Solusi Keselamatan Buruh Binaan
- 21.Sisa Tapak Binaan Perlu Sistematis
- 22.Webinar Suku Tahun Pertama Uitm-ITB-ITS: Pasca Pandemi Covid-19 Kerjasama Awam Swasta/Inisiatif Kewangan Swasta Di Malaysia Dan Indonesia
- 23.Takaful Untuk Kerja Pembinaan: Konsep Dan Aplikasi
- 24.Faculty Of Architecture, Planning & Surveying E-Newsletter Volume V
- 25.The Viability Of Rail Transport System In Kuching, Sarawak.
- 26.Computer Aided Software In Public Universities: Students' Perceptions
- 27.Success Factors Of Non-Bumiputera Business Organisation In The Construction Industry
- 28.Program Masyarakat Prihatin Terbit Keinsafan
- 29.Kolaborasi FSPU- ACIS Uitm Memacu Persepsi Baru Pematuhan Syariah Dalam Industri Pembinaan
- 30.Inequality Of Bargaining Power In Malaysia Construction Contract; A Study On PAM 2006 And JKR PWD 203A 2010
- 31.A Shortage Of Plant Operator Supply In Malaysia Construction Industry – Causes
- 32.Accuracy Study On Producing Quantity Take-Off Using Building Information Modelling (BIM) In Malaysia

Consultation & Expertise

1. Perkhidmatan Penilaian Serta Khidmat Nasihat Untuk Projek Meruntus V203 (IJM Construction Sdn Bhd) Bagi pelaksanaan MS2593:2015
2. Organizing Committee for Quantity Surveying Research Innovation 2019
3. Committee International linkages with Universitas Bung Hatta, Indonesia

4. Organizing Committee, International Quantity Surveying Academic Forum by Board of Quantity Surveyors Malaysia
5. Panel Reviewers untuk Quantity Surveying Research Innovation 2018, 2019

Innovation, Commercialization & Entrepreneurial

1. Silver Medalist National Massive Open Online Courses – Construction Economics
2. Street Smart Salesmanship@ Retailing (3SR): Creative Entrepreneurial – Silver award
3. Gold Award 2023 - National Massive Open Online Courses (Professional Practice III)
4. Best Massive Open Online Courses (MOOC Award) 2023 – Social Science (Professional Practice III)

Services & Administration

1. Student Development Coordinator (FSPU)
2. Corporate Communication Unit Coordinator (Centre of Studies for Quantity Surveying)
3. Students' Affair Coordinator (Centre of Studies for Quantity Surveying)
4. Timetable and Space Coordinator (Centre of Studies for Quantity Surveying)

Work and Collaboration Experience

1. Perkhidmatan Penilaian Serta Khidmat Nasihat Untuk Projek Meruntus V203 (IJM Construction Sdn Bhd) Bagi pelaksanaan MS2593:2015
2. Organizing Committee for Quantity Surveying Research Innovation 2019
3. Committee International linkages with Universitas Bung Hatta, Indonesia
4. Organizing Committee, International Quantity Surveying Academic Forum by Board of Quantity Surveyors Malaysia
5. Panel Reviewers untuk Quantity Surveying Research Innovation 2018, 2019

Awards & Recognitions

1. Anugerah Perkhidmatan Cemerlang 2020

Contribution to Society

1. Program Khidmat Masyarakat Care 4 U Persatuan Ukur Bahan (Sekolah Kebangsaan (A) Bukit Kemandol, Jenjarom, Selangor.
2. Program Masyarakat Prihatin, Lawatan ke Rumah Jagaan & Rawatan Orang Tua Al Ikhlas, Pulau Meranti, Selangor- Committee members

Other Activities