



Fakulti
Senibina,
Perancangan
dan Ukur

Academic

Curriculum Vitae

ROSMADI GHAZALI (Sr, Dr)

Associate Professor, Deputy Rector iCARE

Centre of Studies for Surveying Science and Geomatics
Faculty of Architecture, Planning and Surveying
Universiti Teknologi MARA,
40450 Shah Alam,
Selangor, Malaysia.



Advanced Computing and Communication - UiTM
WIRELESS COMMUNICATION TECHNOLOGY RESEARCH GROUP

+603-3258 4888 / +6011-1190 7908
rosmadi@uitm.edu.my /

Areas of Expertise

Stistical Landslide modelling with GIS, Control Survey Network with conventional or GPS, Digital photogrammetry for DTM construction, Deformation Survey, Survey Network Adjustment and Satellite Image processing

Personal Information

Rosmadi bin Ghazali
137070
Centre of Studies for Surveying Science and Geomatics,
Faculty of Architecture, Planning and Surveying,
40450 Universiti Teknologi MARA.

Academic Qualifications

PhD in Information Technology on spatial analysis (Vector-based GIS for landslide modelling), 2009, Swansea University, United Kingdom
Master in Information Technology, 2001, University Technology MARA (FSKM)
Degree of Science in B Sc (Advanced Diploma), Surveying Science and Geomatic, 1996, Institute Technology MARA (School Of Engineering)
Diploma in Land Surveying, 1994, Institute Technology MARA (School Of Engineering)

Professional Members

1. Royal Institution of Surveyors Malaysia (RISM), Member, 2007-2021

Teaching and Learning

1. Master, September 2020, GIS, Lecture
2. Degree, July 2019, Building Surveying, Tutorial

Student Supervision

(Postgraduated)

1. Nazirah Bt Md Tarmizi, 2012-Present, PhD, Research area: *Establishment and Assessment of spatial information using AUV sensor for regional flood risk mapping.*
2. Muhammad Jamaluddin Bin Bazlan, 2011-Present, MSc, Research area: *Geographic-Based Malaria Information System*
3. Helwina Hadini Bt Ramli (2010), *Developing A Web-Based GIS Solution For Underground Utility Mapping (Graduated)*
4. Mohd Adhar Bin Abd Samad (2010), *Estimating Agriculture Chemical Concentration of Rivers in Klang Valley Basin Using Open Sources GIS (Graduated)*
5. NurulHuda Binti Abdul Hamid(2009), *Skyline Conservation in Enhancing Visual Quality and Identity of Ipoh City Using GIS (Graduated)*
6. Rosnani Binti Che Hasan(2011), *Spatial Epidemiology Using GIS: Infectious Diseases of Tuberculosis (TB) in Shah Alam (Graduated)*

(Undergraduate)

1. Mohd Firdaus b. Zahary (2012), *Proposing a new highway using a high Accuracy DTM to produce coordinates of chainage, profiles and volume calculation.*
2. Muhamad Nurfaahmi b. Sohaime (2012), *A study and analysis of signal pattern of various frequencies ground penetrating radar with multichannel antenna.*
3. Nor Hafizah bt. Faris (2012), *Monitoring of SAAS tower using GPS method for detecting and movement of the building.*
4. Muhamad Zamri b. Husran (2012), *Intervisibility requirement using GIS modelling to enhance the decision making during military operation.*
5. Muhamad Firdaus b. Azmi (2012), *Establishing the relationship of distance toward chi-square test level achievement using different software systems.*
6. Nik Amir b. Nik Yaacob (2012), *Mobility Planning for army troops manoeuvre using GIS modelling.*
7. Shairah bt Yaacob (2012), *Mapping potential fishing zones using satellite images.*
8. Ihsan b. Ibrahim (2012), *A case study on error ellips and multipath error; A comparison between conventional and GPS observation.*
9. Nurul Wahiba bt. Mustafa (2012), *Crime pattern mapping using GIS in Selangor.*

10. Adam Rahimi b. Mat Jaya (2012), *A comparison of 3D coordinates obtained through three different technique (Fast static GPS, 3D traverse and 3D radial by integrating with starnet software.*
11. Azmimi b. Abdullah (2012), *Evaluating the accuracy of control network established using using 3D traverse 3D trigulation and 3D triletaration with least square adjustment.*
12. Mohd Fakrulhusni b. Rejab (2012), *Accuracy assesment of root mean square error based on different number of ground control points for developing photogrammetric model.*
13. Mohammad Zulhusni b. Mohd Hilmi (2012), *A study of the process to evaluate cost for surveying and construction of road upgrading work.*
14. Mohd Firdaus b. Alip (2012), *The feasibility study of the multilevel parking structural deformation using conventional and GPS technique.*
15. Muhammad Hasnan b. Ghazali (2012), *A study on reflective stiker fpr measuring distance and angle in monitoring surveying.*
16. Muhammad Ruzaini b. Mohammad Fadzil (2012), *The development of top'star software and the approach of Topcon Topsurv for semi-automated 3D deformation monitoring and adjustment.*
17. Muhamad Nurfahmi b. Sohaimi (2011), *A study and analysis of signal pattern of various frequencies of ground penetrating radar with multichannel antenna.*
18. Saiful Adli b. Yahya (2011), *Implimentation of RTK-GPS method to detect movement of bridge (Case study of Padang Jawa bridge).*
19. Nor Ain Amira Bt Ahmad Bakhtiar (2011), *DEM accuracy assesment of high resolution image using two different orthoimage processing software.*
20. Norhafiza bt Zakaria (2011), *Accuracy assesment of Digital Terrain Model from aerial photo and Ikonos images.*
21. Mohd Hanif b. Mad Hussain (2011), *Evaluation of single and dual Frequency GPS of different baseline lenght.*
22. Hanafiah b. Hanafi (2011), *High-rise building monitoring using GPS method for detecting movement and comparing the coordinates produced using different processing software.*
23. Mohd Aminuddin b. Ismail (2011), *Assesment of Geoid undulation (N) at different sites: Coastal, undulating and hilly area.*
24. Zulkifli b. Abd Halim (2011), *Assesment of VRS-RTK technique for building setting out.*
25. Abdul Hadi Zakaria (2011), *Perform a road design using Tessera and CDS software.*
26. Nurul Hamizah bt. Hamzah (2011), *Comparison of the achieveable of digital elevation model using single Ikonos image with Rational Polinomial Coefficient (RPC) file.*
27. Nor Hafizah bt. Faris (2011), *Monitoring of Sultan Salahuddin Abdul Aziz Shah tower building using GPS method for detecting any movement of the building.*

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

Journal

1. Walsh, R.P.D., Bidin, K., Blake, W.H., Chappell, N.A., Clarke, M.A., Douglas, I., **Ghazali, R.**, Annammala, K.V. *Long-term responses of rainforest erosional system at different spatial scale to selective logging and climate change. Philosophical Transactions of the Royal Society B: Biological Sciences Journal, Scopus ISSN: 09628436*
2. **Ghazali, R.**, Latif, Z., Rasam, A.R., Samad, Abd.M., *Integrating Cadastral GIS Database into GPS Navigation System for Locating Land Parcel Location in Cadastral Surveying. IEEE Explore Online Journal / Scopus, ISBN: 978-161284414-5*
3. Abdul Rasam, A.R., Mohd Noor, A.M., Ahmad, N., **Ghazali, R.**, *MyGeoHealth: GIS-based cholera transmission risk system in Sabah, Malaysia*
4. Bohari, S.N.Bt., Rasam, A.R., Maarof, I., **Ghazali, R.**, Samad, Abd.M., *Potential of single orthorectified of high resolution satellite image (Ikonos) for large scale mapping, IEEE Explore Online Journal / Scopus, ISBN: 978-161284414-5*
5. Abd Latif, Z., Aman, S.N.A., **Ghazali, R.**, *Delineation of tree crown and canopy height using airborne LiDAR and aerial photo. IEEE Explore Online Journal / Scopus, ISBN: 978-161284414-5*
6. **Ghazali, R.**; Hamid, M.R.A.; Latif, Z.A.; Adnan, R.; Samad, A.M. *Evaluating the range of differences between GPS rapic-static observed orthometric height with the digital precise levelling, IEEE Explore Online Journal / Scopus, ISBN: 978-1-4244-7121-8*
7. **Ghazali, R.**; Hasim, N.B.; Hashim, K.A.; Rahim, S.A.A.; Samad, A.M. , *The accuracy comparison of height from DTM constructed using STOP and GO with RTK GPS for GIS application, IEEE Explore Online Journal / Scopus, ISBN: 978-1-4244-7121-8*
8. Isa, M.M.; Othman, N.; **Ghazali, R.** *GIS in management of landscape trees: Determining, monitoring and implementing safety measures on potentially hazardous trees, IEEE Explore Online Journal / Scopus, ISBN ISBN: 978-1-4673-0960-8*
9. **Ghazali, R.**; Adzmi, M.F.; Rasam, A.R.A.; Latif, Z.A.; Samad, A.M.A. *The evaluation of 3D traverses of three different distance lengths toward the quality of the network for Deformation Survey, IEEE Explore Online Journal / Scopus, ISBN: 978-1-4673-0960-8*
10. Nadun, S.N.E.M.; Maarof, I.; **Ghazali, R.**; Samad, A.M.; Adnan, R. *Sustainable groundwater potential zone using remote sensing and GIS, IEEE Explore Online Journal / Scopus, ISBN: 978-1-4244-7121-8*

Research Grants and Contracts

1. Spatial Knowledge Mapping for Tuberculosis Control Tool Among The Remote Communities In Sabah and Selangor (1) **Profesor Madya Dr Rosmadi Bin Ghazali** (2) Profesor Madya Dr Oliver Ling Hoon Leh, Dr. Abdul Rauf Bin Abdul Rasam, Dasimah Bt Haji Omar, Dr Frederick Dony, (3) 2018 Bestari (BESTARI) (5) Project Member (6) RM 35,000.00. Team Leader
2. Development of Self-Organizing Network for Interference Coordination in LTE-Advanced Network, 2015, IRMI, RM 32,000, Team Member
3. Monitoring of River Depth of Kuala Keniam, Taman Negara, 2008, RMI, Universiti Teknologi MARA, RM 28,000, Team Member
4. Erosion on tropical rain-forest terrain on different Logging types, 2005, Royal Society, UK, RM 1.2 million, Researcher
5. Cities Skyline Conservation Concept In Enhancing Visual Quality And Identity, 2011, FRGS, RMI, RM 45,000, Team Member
6. Constructing A Geospatial Framework For Healt, Malaysian Problem And Decision Making, 2011, ERGS, RMI, RM 50,000, Team Member
7. Development of GIS-Based Malaria Information System, 2012, RMI, RM 32,000, Team Leader

Consultation & Expertise

1. Invited chair Signal Processing and its Applications Colloquium CSPA 2011
2. Sesion chair Signal Processing and its Applications Colloquium CSPA 2010
3. Invited chair International Conference on Control System, Computing and Engineering (ICCSCE), 2011
4. Sesion chair International Symposium Exhibition on Geoinformation (ISG) 2011
5. PhD and Msc progress report evaluation commitee (2005-2012).
6. Journal Reviewer - IEEE 8 th International Colloquium on Signal Processing & its Application (CSPA 2012), March 2012
7. Journal Reviewer - IEEE International Conference on System Engineering and Technology (ICSET), June 2011
8. Journal Reviewer - IEEE 7 th International Colloquium on Signal Processing & its Application (CSPA 2011), February 2011
9. Journal Reviewer - IEEE 6 th International Colloquium on Signal Processing & its Application (CSPA 2010), March 2010

Innovation, Commercialization & Entrepreneurial (

Commercial chili growing, Entrepreneurial, 2021, project leader

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

1. Deputy Rector of iCARE (UCS) (Dec 2020 – Dec 2022)
2. Acting Director of Director of ICAEN (Nov 2018 – January 2019)
3. Deputy Director of Industry Network Center (ICAEN) (Sept 2016 Oct 2018)
4. Head of Income generation, Business Entity and Alumni (UCS) (March 2016)
5. Head of strategic Business Alliance (ICAN)(June 2014 – March 2016)
6. Head of Industry Linkage (ICAN) (April 2013 – June 2014)
7. Technical Committee of ICT Committee Zon 6 UiTM, (2011-2017).
8. Coordinator Computer and Website FSPU (2006-2012).
9. Chairman for RICS recognition committee (2006-2009)
10. Technical Committee, Faculty of Architecture, Planning and Surveying, UiTM Shah Alam (2006-Present).
11. Coordinator for departmental Time Table (2008 - 2013).
12. Member FSPU Examination Time Table Committee, FSPU (1997 – 2001)
13. **Lecturer** January 1996 – 2008
14. **Academic Board** 2001 – 2013,
15. **Board of Curriculum Review** 2001 – Present
16. **Panel Assessor (MSc; Proposals and Progress Report)** 2005 – Present
17. **Panel Assessor (PhD; Proposals and Progress Report)** April 2005 – Present
18. **MSc Students' Supervision** 2009 – Present
19. **PhD Students' Supervision** 20012 – Present

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

1. Operation Manager, International Symposium of Geomatics (ISG 2011),UiTM, Shah Alam
2. Transportation committee, International Symposium of Geomatics (ISG 2001),UiTM, Subang Jaya.
3. Geomatic Day celebration committee, Faculty of Architecture,Planning and surveying UiTM, Shah Alam (2009-2012).
4. Committee member Income generation and cost saving workshop 2013.
5. Head of Financial Committee for Kongres Warisan Melayu II (Malay Heritage Congress II) jointly organised by University Technology MARA and Malay Businessman and Industrialist Association of Malaysia 2014
6. Committee member Signal Processing and its Applications Colloquium CSPA 2011
7. Committee member Signal Processing and its Applications Colloquium CSPA 2010

Awards & Recognitions

Bronze Medals-Innovation Competition UM, PRIN-KAB 2019, UKM
Anugerah khidmad cemerlang 2017

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

1. Program komuniti khas bersama sekolah Keb Puncak Alam 1, Program Head

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

Working Experienc

Industrial Networking Activities

1. Establish a joint venture between UiTM and COMOS through a MoA in Uniride car sharing project.
2. Introducing the Ca\$h card payment in the cashless campus project with Virtualflex.
3. A committee member for the *Lab Penjanaan Pendapatan dan Penjimatan Kos* and then the establishment of a policy for university Teknologi MARA (UiTM).
4. Benchmarking the *Universiti Kebangsaan Malaysia* endowment program through a series of meeting.
5. A series of meeting with *Penolong Bendahari Akaun Amanah* on the handling of fund collected through endowment.
6. Working together with the legal office for legal advice on endowment policy.
7. Preparing the general concept of endowment documentation for UiTM
8. Reporting the status of university and industry engagement to the Ministry of Higher Education which is Ministry of Education in the new cabinet setting.
9. Engaging with Malaysian Innovation Agency and other local public university in developing a Malaysian Stainbaise university-industry (referring what has been implemented in Germany, Japan and Mexico) guidelines for private sector and university engagement intern of pricing the expertise and instruments in assisting the industry.
10. Developing Industrial engagement guidelines for universities in Malaysia (organised by *Universiti Kebangsaan Malaysia*)
11. Engaging in a discussion with Prof Dr.-Ing.Ir.Renuganth Varatharajoo from Universiti Putra Malaysia on the experience of getting an endowment from corporate bodies.
12. Evaluation Panel for Knowledge Transfer Program for three years.
13. Organising meeting with treasurer office for some advice and support in establishing endowment in UiTM .
14. Representing deputy vice consoler (ICAN) for opening or closing of programs conducted by UiTM such as first global business discourse in Malaysia 2013, *Program celik seni, Majlis Anugerah sukan Masum 2013* etc

15. Preparing the university industry advisory board guidelines.
16. Engaging with The CEO of Affin Islamic Berhad for negotiating an endowment and the bank has agreed in principal to contribute between 4 to 5 million to build in UiTM.
17. Initiating an engagement with Islamic da'wah Foundation Malaysia to establish a web-based Islamic centre on the building proposed to be constructed by Affin Islamic Bank at Puncak Alam campus.
18. Negotiating with the CEO Bousted Malaysia for an endowment as well as to become university industrial advisory board.
19. Benchmarking the International Islamic University on the process of building a hostel from the contribution tithe (zakat) from Lembaga Angkatan Tentera (under Bousted Malaysia Berhad)
20. Head of Financial Committee for Kongres Warisan Melayu II (Malay Heritage Congress II) jointly organised by University Technology MARA and Malay Businessman and Industrialist Association of Malaysia
21. Collaboration with International Islamic University on how to success in applying the knowledge transfer program grant from the Ministry of Education.