



NOOR JANATUN NAIM BINTI JEMALI

Senior Lecturer, Faculty of Earth Science
Universiti Malaysia Kelantan

PERSONAL DETAILS

✉ Faculty of Earth Science,
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LANGUAGE PROFICIENCY

Bahasa • English • Japanese

Fluent Fluent Good

ACADEMIC QUALIFICATION

Doctor of Philosophy (Ph.D.) • 2012-2015

Forest Engineering

University of the Ryukyus, Okinawa, Japan.

Master of Science (MSc.) • 2009-2010

Forest and Nature Conservation

Wageningen Universiteit, the Netherlands.

Bachelor of Forestry Science (BForr.Sc.) • 2004-2009

Forest Production

Universiti Putra Malaysia, Malaysia.

Kokugakuin University • (2005)

Student Exchange Program

KPM Matriculation Program • 2003-2004

Science Program

Kolej teknologi Timur, Sepang.

Kuala Selangor Science Secondary School • 1997-2002

SK RKT Sg. Merab, Kajang • 1995-1996

SRK Sri Serdang, Serdang • 1991-1994

WORKING EXPERIENCE

Senior Lecturer • 2015-recent

Universiti Malaysia Kelantan, Malaysia (UMK)

Lecturer • 2010-2015

Universiti Malaysia Kelantan, Malaysia (UMK)

Researcher • 2011-2012

University of the Ryukyus, Okinawa Japan

Tutor • 2008-2010

Universiti Malaysia Kelantan, Malaysia (UMK)

Research Assistant • 2007-2008

Faculty of Human Ecology, Universiti Putra Malaysia (UPM)

Teaching Assistant • 2007-2008

Faculty of Forestry, UPM (Forest Management)

RESEARCH INTEREST

Forestry/ Forest Engineering

Keywords: forest resource management, conservation and operation, sub/tropical and coastal forest area, GIS mapping.

RESEARCH EXPERIENCE

2017-2019 Assessing MODIS-EVI to estimate terrestrial ecosystem gross primary production of different land use types in Kelantan

2016-2017 Microclimate and vegetation edge effect of Kelantan Forest

2012-2015 Assessment scheme for forest zonation function and sustainable criteria of subtropical forest in Okinawa Island.

2009-2010 Mangrove's structural complexity and human disturbance; a case study of the Berau Delta, East Kalimantan, Indonesia.

2007-2008 Analysis of mangrove canopy density using NDVI technique of remote sensing imagery

RESEARCH GRANTS

	Research Project	Source	Total Funds	Begin Year	End Year
1	Edge Effect on Microclimate and Tree Characteristics in a Tropical Rainforest Fragmentation (Lead)	UMK	RM15,104.00	2016	2017
2	Integration of <i>Sesbania grandiflora</i> with selected food crops to improve fertility and productivity of BRIS soil (member)	FRGS	RM83,200.00	2015	2018
3	Assessing deforestation and its effect on land surface temperature using satellite data in Cameron Highland (member)	FRGS	RM78,200.00	2016	2018
4	Assessing Moderate Resolution Imaging Spectroradiometer (MODIS) enhanced vegetation index (EVI) to estimate terrestrial ecosystem gross primary production of Different Land use Types in Kelantan (Lead)	FRGS	RM82,200.00	2017	2019
5	Community role on river health: UMK-Global Environment Centre (Lead)	Industrial grant (GEC)	RM3,500.00	2018	2018

PROFESSIONAL MEMBER

- Institution of Geospatial and Remote Sensing (IGRSM)
- International Society of Mangrove Ecology (ISME)
- International Union of Forest Research Organization (IUFRO) [Division 3]
- International Forestry Student Association (IFSA)

CONSULTATION

- Document Preparation for Forest Plantation Plan for Forestry Department of Pahang State – RPHPP (Rancangan Pengurusan Ladang Hutan) Jabatan Perhutanan Negeri Pahang
- Document Preparation for Coastal Forest Management Plan for Forestry Department of Pahang State – RPHPP (Rancangan Pengurusan Hutan Pesisir Pantai) Jabatan Perhutanan Negeri Pahang 2016-2025.
- Document Preparation for Forest Plan Management of Forestry Department of Kelantan State - RPH (Rancangan Pengurusan Hutan) Jabatan Perhutanan Negeri Kelantan 2016-2025.

- Scientific research and collaboration with Regional Environmental Awareness in Cameron Highlands (R.E.A.C.H).
- Integrated Cumulative Grade Point Average (iCGPA) Technical Committee, Jabatan Pengajian Tinggi Malaysia.

PUBLICATION

i.	Syafinie Majid, Noor Jemali , Mohamad Saiful Sulaiman, Sadam Kahar, Shaharlina Rasid, Ain Talib, Mastura Rahim, Shariman Shaharudin, Nadhirah Rosman and Syazrol Omar (2019). Preliminary assessment on riverine soil properties of Sg. Lebir, Kelantan Peninsular Malaysia. <i>Borneo Journal of Science and Technology</i> 1(1):50-52.
ii.	Nor Syahirah Z., Noor J.N.J. and Syafinie A.M. (2018). Effect of disturbance on mangrove species diversity in Delta Tumpat Kelantan Malaysia. <i>Journal of Tropical Plant Research</i> 5(3):391-395
iii.	Ismail MH, Fuad MFA, Zaki PH, Noor J.N.J. (2017). Analysis of importance value index of unlogged and logged peat swamp forest in Nenasi Forest Reserve, Peninsular Malaysia. <i>Bonorowo Wetlands</i> 1: 74-78.
iv.	Muhamad Zharif J., Noor J.N.J. and Syafinie A.M. (2017). Impact of Flood on Dynamic of <i>Mimosa pigra</i> Populations in Affected Kelantan River Basin. <i>J. Trop. Resour. Sustain. Sci.</i> 5:58-61.
v.	Noor J.N.J. , Syafinie A.M., Saiful S., Sadam K. and Faiz M. (2017). Microclimate and Vegetation Edge Effects of Jeli Forest in Kelantan. 5th Kuala Lumpur International Agriculture, Forestry and Plantation Conference. Proceeding pg 148-152.
vi.	Mahathir M., Magintan D., Donny Y., Noor J.N.J. , Anuar I., Rosli S., Norzalie A.S., Mohd Shafiq A.L., and Shahril E.J. (2017). Movement Patterns and Habitat Use of Trans located Malayan Tapir in Senaling Inas Forest Reserve. <i>Journal of Wildlife and Parks.</i> 32:13-21.
vii.	Noor J.N.J. , Shiba M. Azita A.Z (2015). Interpretation of upper-story canopy area in subtropical broad-leaved forests in Okinawa Island using laser scanning data. <i>Sains Malaysiana.</i> 44(1):107-113.
viii.	Noor J.N.J. , Shiba M. Azita A.Z (2015). Strategic forest management options for a small-scale timber harvesting in Okinawa Island, Japan. <i>Small-scale Forestry.</i> DOI 10.1007/s11842-015-9292-z.
ix.	Azita A.Z, Shiba M. and Noor J.N.J. (2015). Accuracy of LiDAR-based tree height estimation and crown recognition in a subtropical evergreen broad-leaved forest in Okinawa, Japan. <i>Forest Systems.</i> 24(1) e002:11.
x.	Azita A.Z, Shiba M. and Noor J.N.J. (2014). Simulation of terrain attributes from LiDAR data for slope failure hazard assessment in steep forest of Okinawa Island. <i>Journal of Japan Forest Engineering Society.</i> 29(4):193-202.

xi.	Azita A.Z, Shiba M. and Noor J.N.J (2014). Landform classification for site evaluation and forest planning: Integration between scientific approach and traditional concept. <i>Sains Malaysiana</i> . 43(3): 349- 358.
xii.	Noor J.N.J , Shiba M. Azita A.Z (2013). Comparison of image classification methods using IKONOS image for identifying land cover attributes of logged over forest area in Yambaru, Okinawa Island. <i>Journal of Japan Forest Engineering Society</i> . 28(1):99-105.
xiii.	Noor J.N.J , Shiba M., de Boer W.F and Siahainenia A. (2012): Structural complexity and disturbances: indicators of mangrove forest in Berau Delta, East Kalimantan, Indonesia. <i>Journal of the Japanese Society of Coastal Forest</i> . 11(1):7-10.

CONFERENCE/SEMINAR ATTENDED

1. Noor J.N.J, Syafinie A.M., Saiful S., Sadam K. and Faiz M. (2017). Microclimate and Vegetation Edge Effects of Jeli Forest in Kelantan. 5th Kuala Lumpur International Agriculture, Forestry and Plantation Conference, Putrajaya. 31 July – 1 Aug 2017.Pg 27.
2. Noor Janatun Naim Jemali, Rozidaini Mohd Ghazi and Aweng eh Rak. Intervention Programmes towards Improvement of student's performance in implementation of iCGPA. iCGPA International Conference. 17-19 July 2017. Hotel Istana Kuala Lumpur. Pg 40.
3. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: Assessing potential conservation sites in Yambaru Forest area by elevation levels. The 70th Kyushu Forestry Conference. Saga University, Japan. 24-25 October 2014. No.106
4. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: Evaluation of potential conservation area in the Northern Okinawa forest area based on variation of elevation gradient. Okinawa Subtropical Forestry Annual Meeting 2014. Naha, Okinawa. 29 August 2014. Abstract page 19.
5. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: Forest Zonation Pattern of Okinawa Island: What's to consider?, 124th Annual Meeting of the Japanese Forest Society. Iwate University. 25-28 March 2013. (Abstract page 208, N31)
6. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: Interpretation of forest canopy structure of Okinawa subtropical broad-leaves forest translated from laser scanning data. Okinawa Prefecture Forestry Meeting. Naha, Okinawa. 30 August 2013. (Abstract page 13)
7. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: Vertical structure assessment and spatial dissemination of subtropical broadleaved tree species in Okinawa Island. The 69th Kyushu Forestry Conference. Miyazaki University, Japan. 25-26 October 2013. No.406.
8. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: Spectral Classification of IKONOS Images for Forest Cover Characterization of Yanbaru Forest Area, Okinawa Japan. 123th Annual Meeting of the Japanese Forest Society, Utsunomiya

University. 26-28 March 2012 (Abstract D17, CD-ROM)

9. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: How HARVEST Simulation Helps in Sustainable Yield Management Strategy of Yambaru Forest Resources?. Okinawa Subtropical Forestry Annual Meeting 2012. Naha, Okinawa. 31 August 2012. (Abstract page 19)
10. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: HARVEST Simulation Model: connecting timber yield control and landscape management towards sustainable manner. The 68th Kyushu Forest Society Meeting. Kumamoto, Kyushu. 26-27 October 2012.
11. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi: Strategic timber harvesting planning for a sustainable management practices in Yambaru Forest, Okinawa. PSU-USM International Conference on Art and Sciences 2012. Penang, Malaysia. 2-4 December 2012. Abstract page 65
12. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Topographic condition on the distribution of stand structure and diversity in subtropical Yambaru forest, Okinawa. The 70th Kyushu Forestry Conference. Saga University, Japan. 24-25 October 2014. No.201
13. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Influence of topographic heterogeneity on tree diversity and structure in Yambaru forest. Okinawa Subtropical Forestry Annual Meeting 2014. Naha, Okinawa. 29 August 2014. Abstract page 20.
14. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Stand based tree height estimation and crown delineation using LiDAR in subtropical Yambaru forest, Okinawa. 125th Annual Meeting of the Japanese Forest Society. Omiya Convention Center. 26th-30th March 2014. (Abstract C10-Page 76)
15. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Assessment of crown structure characteristics using LiDAR data in complex subtropical forest of Okinawa Island. Kyushu Branch of Forest Society (Annual Meeting). Miyazaki University. 26-28th October 2013
16. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Estimation of complex crown patches using LiDAR data in Yambaru forest. Okinawa Island. Annual Meeting on Okinawa Subtropical Forestry. 30th August 2013. (No printed abstract)
17. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Simulating topographic potential for automated erosion detection: An evaluation of steep forest on Okinawa Island. IUFRO Unit 3.06 International Conference. Forest Operations in Mountainous Conditions. Honne, Norway. 2nd -5th June 2013. (Proceeding- Page 117-120)
18. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Terrain stability assessment on erosion hazard sites in Yambaru forests, Okinawa Island. The Japanese Forest Society Congress 124, Iwate University. 26th - 29th March 2013. (Abstract- Page 156)
19. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Simulating topographic effect for sensitive site assessment and risk mapping in subtropical forest of Okinawa Island, Japan. 2nd USM-PSU International Conference on Art and Sciences 2012, Penang, Malaysia. 2nd - 4th December 2012. (Abstract Page 61)
20. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Digital Terrain Simulator

- (DTS) for detection of sensitive site and mapping in steep watershed forest of Yambaru Area, Okinawa Island. Kyushu Branch of Forest Society (Annual Meeting), Kumamoto University. 26th - 27th October 2012. (No printed abstract)
21. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Sensitive site detection and mapping in steep watershed forest of Yambaru based on Digital Terrain Simulator (DTS). Annual Meeting on Okinawa Subtropical Forestry. 31th August 2012. (Abstract -Page 21)
 22. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Terrain analysis and site evaluation for sustainable management of sub-tropical forest in Yanbaru, Okinawa. The Japanese Forest Society Congress 123, Utsunomiya University. 26th - 28th March 2012.(Abstract-D18)
 23. 芝 正己、Azita Ahmad Zawawi、Noor Janatun Naim Jemali. 世界自然遺産候補地としての沖縄本島北部森林の保全管理と GP. The 70th Kyushu Forestry Conference. Saga University, Japan. 24-25 October 2014. No.106
 24. 芝 正己、Azita Ahmad Zawawi、Noor Janatun Naim Jemali: 「奄美・琉球」世界自然遺産候補地としての沖縄本島北部地域の現状と課. Okinawa Subtropical Forestry Annual Meeting 2014. Naha, Okinawa. 29 August 2014. Abstract page 23.
 25. 芝 正己、Azita Ahmad Zawawi、Noor Janatun Naim Jemali、知念良之.世界自然遺産候補地としてのヤンバル森林の諸課題. The Japanese Forest Society Congress 125. Omiya Convention Center. 26th-30th March 2014.(Abstract A30 - Page 188)
 26. 芝 正己、Azita Ahmad Zawawi、Noor Janatun Naim Jemali、知念良之: 奄美・琉球世界自然遺産候補地としてのヤンバル森林の保全管理と担保措置 九州森林学会, 第 69 回 九州森林学会大会講演集, 20132 年 10 月. P36
 27. 芝 正己、Azita Ahmad Zawawi、Noor Janatun Naim Jemali、知念良之: 歴史的変遷を通じた沖縄の森林利用の課題と展望, 第 1 2 4 回日本森林学会大会, 講演番号 P-213, 2013 年 3 月
 28. 芝 正己・Azita Ahmad Zawawi・Noor Janatun Naim Binti Jemali: 沖縄県の森林・林業の課題とグリーンエコノミー政策- 1992 年地球サミットから 2012 年リオ+20 へ -, 第 6 8 回九州森林学会講演要旨,2012 年 10 月
 29. 芝 正己・Azita Ahmad Zawawi・Noor Janatun Naim Binti Jemali: 知念良之: 沖縄の森林利用の課題とグリーンエコノミー政策, 平成 2 4 年度亜熱帯森林・林業研究会発表要旨 page18 2012 年 8 月
 30. 芝 正己・Azita Ahmad Zawawi・Noor Janatun Naim Binti Jemali: 島嶼亜熱帯森林の利用技術と環境管理日本森林学会, 第 123 回日本森林学会大会学術講演集, 2012 年 3 月:D16

Poster presentations:

1. Noor Janatun Naim Binti Jemali, Rozidaini Mohd Ghazi and Aweng Eh Rak. Intervention Programmes Towards Improvement of Student's Performance in Implementation of iCGPA (Digital Poster). iCGPA International Conference (iIC2017). Poster no.32.
 2. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi. Evaluating vegetation complexity at different site condition of subtropical forest of Okinawa Island Japan. IUFRO 2014 (Salt Lake City, USA 5-11 October 2014) Division 8, Poser no.193
 3. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi. Assessment of spatial and vertical structure of subtropical broadleaved trees in Yambaru areas. 125th Annual Meeting of the Japanese Forest Society. (Tokyo, 28 March 2014). P1-125.
 4. Noor Janatun Naim Binti Jemali, Shiba Masami and Azita Binti Ahmad Zawawi. Spectral Classification of IKONOS Images for Forest Cover Characterization of Yanbaru Forest Area, Okinawa Japan. General Seminar of Agriculture I, Kagoshima Rendai (Kagoshima. 13 November 2013).Poster No. 27.
 5. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Landform classification for site evaluation and forest planning: Integration between scientific approach and traditional concept. General Seminar of Agriculture I, Kagoshima Rendai (Kagoshima. 13 November 2013).Poster No. 25.
 6. Azita Ahmad Zawawi, Masami Shiba, Noor Janatun Naim Jemali. Estimating stand height and crown structure of subtropical broadleaved forest using Lidar data in Okinawa Island, Japan. IUFRO 2014 (Salt Lake City, USA 5-11 October 2014). Division 4, Poster no.164.
 7. Masami Shiba, Azita Ahmad Zawawi and Noor Janatun Naim Jemali. Comparison between Western and Eastern historical view of sustainability (Nachhaltigkeit) principle of forest use. IUFRO 2014 (Salt Lake City, USA 5-11 October 2014). Division 9, Poster no. 99.
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