



JABATAN PENDAFTAR

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Kewajipan, Maruah, Integriti



CURRICULUM VITAE

I. PERSONAL PARTICULARS			
Name	ASSOC. PROF. DR. UMMUL FAHRI BINTI ABDUL RAUF		
Current Position Faculty / Department	ASSOCIATE PROFESSOR / DS 54		
II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS (Please list all academic qualifications, from your first degree, in chronological order)			
Year	Degree	Discipline	University
2002	Diploma in Statistics	Statistics	Universiti Teknologi MARA
2005	Bachelor of Science (Hons)	Mathematical Statistics	Universiti Teknologi MARA
2007	Master of Science	Statistics	Universiti Kebangsaan Malaysia
2014	Doctor of Philosophy	Applied Statistics	RMIT University, Melbourne, Australia
III. TITLES OF POSTGRADUATE THESES WRITTEN			
No.	TITLES OF POSTGRADUATE THESES		
1. Master	Statistical Modelling of Motor Insurance Claims in Malaysia: Negative Binomial Model		
2. PhD	Copula-based Analysis of Flood Phenomena in Victoria, Australia		

IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)			
Year	Position	Field of Work	Place of Work
2002	Internship: Research Assistant	Data Analyst	Lembaga Penduduk dan Perpaduan Negara (LPPKN)
2003-2005	Internship: Research Assistant	Data Analyst	Research Management Center, UIA
2006	Administrative Assistant	Administration	Office of Deputy Vice Chancellor, UIA
2007 - 2014	Lecturer	Teaching/Research	National Defence University of Malaysia
2015 - 2017	Senior Lecturer	Teaching/Research	National Defence University of Malaysia
2018 – current	Associate Professor	Teaching/Research	National Defence University of Malaysia

1.0 TEACHING AND SUPERVISION

1.1 Undergraduate Courses

(Please list in chronological order and state : course title, semester and year)

No	Course Title	Semester	Year
1.	SZH 2193 - ENGINEERING STATISTICS	1	2007
2.	SZH 2193 - ENGINEERING STATISTICS	2	2007
3.	FMA 0233 - INTRODUCTION TO STATISTICS	3	2007
4.	SZH 2193 ENGINEERING STATISTICS	3	2007
5.	SZH 2193 ENGINEERING STATISTICS	1	2008
6.	EFA 2103 ENGINEERING MATHEMATICS IV	2	2008
7.	TMT 3173 STATISTICS	1	2009
8.	TMT 3173 STATISTICS	2	2009
9.	FMA 0143 BASICS MATHEMATICS	1	2010
10.	FMA 0143 BASICS MATHEMATICS	1	2014
11.	EFA 2103 ENGINEERING MATHEMATICS IV	1	2015
12.	EFA 2103 ENGINEERING MATHEMATICS IV	1	2016
13.	FMA 0143 MATHEMATICS II	2	2016

14.	EFA 2103 ENGINEERING MATHEMATICS IV	2	2017
15.	FMA 0143 MATHEMATICS II	2	2017
16.	FMA 0143 MATHEMATICS II	2	2018
17.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	1	2019
18.	FMA 0143 MATHEMATICS II	2	2019
19.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	1	2020
20.	FMA 0143 MATHEMATICS II	2	2020
21.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	1	2021
22.	FMA 0143 MATHEMATICS II	2	2021
23.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	1	2022
24.	FMA 0143 MATHEMATICS II	2	2022
25.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	1	2023
26.	FMA 0143 MATHEMATICS II	2	2023

1.2 Postgraduate Courses

(Please list in chronological order and state: course title, semester and year)

No	Course Title	Semester	Year
1.	Research Methodology – Design and Analysis	1	2020
2.	Research Methodology – Design and Analysis	2	2021
3.	Research Methodology – Design and Analysis	1	2022

1.3 Ph.D Supervision

(Please list in chronological order and state: name of student, year project title and status)

No	Name of Student	Project Title	Year	Status
				<ul style="list-style-type: none"> • Completed • Submitted • In Progress
1.	Amel Saad Ab. Alshargawi	Replicated Linear Structural Relationship Model and Analysis of Missing Values	2019	Completed
2.	A'qilah Binti Mohamad Dahalan	Preconditioning Alternating Group Explicit Iterative Methods Using 4th Order Fuzzy Linear System for Military Robot Path Planning	2020	Completed
3.	Othman Mohamed O. Elojali	Estimation of Non-Revenue Water Ratio Using Artificial Neural Network (ANN) in Parit Raja, Johor	2021	In Progress
4.	Nur Amira Sariaty Ruslan	Prediction of Tennis Sports Data in Grand Slam Tournament using Copulas Approach and related	2023	In Progress

		Parametric Statistical Methods.		
5.	Mejar Fahimah Binti Mohamad Nasir	Modelling Influences of Factors on Insider Threat Risk Levels in Malaysia's Information and Communications Sectors	2023	In Progress
6.	Siti Hasliza Binti Muhd Rusmilli	Geostatistical analysis of aerosol optical depth pm 2.5 in penisular malaysia	2024	In Progress

1.4 PhD.External/Internal Examination

(Please list in chronological order and state: name of student, year project title and status)

No	Name of Student	Project Title	Year	Status <ul style="list-style-type: none"> • Completed • Submitted • In Progress
1.	Nurkhairany Amyra Binti Mokhtar	Some Outlier Detection Methods In Unreplicated Linear Functional Relationship Model for Circular Variables and Development of Replicated Model	2019	Completed
2.	Mohd Faisal bin Saari	Some Replication Functional Relationship Models for Circular Variables	2023	Completed

1.5 Supervision (Coursework and Project)

(Please list in chronological order and state: name of student, year, project title and status)

No	Name of Student	Project Title	Year	Status <ul style="list-style-type: none"> • Completed • Submitted • In Progress
1.	Shahrul Azrin bin Shahadan (N404884)	Penggunaan Data Oseanografi untuk Peperangan Periuk Api	2010	Completed
2.	Mohd Redzuan Bin Nasarudin (AZ050207)	Safety Issues in Construction of Temporary/Permanent Structures at Disaster Area	2010	Completed
3.	Muhammad Kamil Bin Abd. Rauf (T3011020)	SZM 4553: System Design	2010	Completed

		Life and Reliability Study of An Ultrafiltration Water Filter System		
4.	Azim Bin Azmi (N404590)	SZM 4553: System Design Life and Reliability Study of An Ultrafiltration Water Filter System	2010	Completed
5.	Mohamad Zul Hilmie bin Zaaba (2110392)	Simulation Modelling of Hydrologic System in UPNM/Bangi Catchment Area	2014	Completed
6.	Hussain Faizrahimi Bin Hj Abdullah	Sistem Permohonan Perumahan Angkatan Tentera	2016	Completed
7.	Mohamad Amirul Firdhaus Bin Sazali	Sistem Interaktif Fardhu Haji	2016	Completed
8.	Mohamad Saufi Aza Bin Mohd Idris	Penerimaan Pelajar Terhadap Permainan Pencegahan Denggi Berasaskan Model UTAUT2	2016	Completed
9.	Nur Izzat Bin Mohd Nor	Impact of Immersion Towards Time Perception in Digital Game	2016	Completed
10.	Andi Muhammad Azlan Bin Amboalang TUDM	Diffuse Reflectance Spectroscopy Technique for Quality Assessment of Cooking Oil	2019	Completed
11.	Nurin Athirah Binti Mohamed Rashid	Sistem Pemohonan Pelepasan Kuliah	2019	Completed
12.	Nur Ariff Shazani Bin Norhisam	Sistem Penyata Baris	2019	Completed
13.	Muhammad Nurnashan Bin Mohamad Daud	Sistem Penyewaan Kenderaan	2020	Completed
14.	Choo Kae Shyuan	Sistem Pengurusan Slip Peperiksaan menggunakan Aplikasi <i>Mobile</i>	2021	Completed
15.	Muhammad Hidayat Bin Rahmat	Sistem Sandaran Maklumat Pelajar yang Selamat bagi Kegunaan Staf Pentadbiran Jabatan Sains Komputer	2022	Completed

16.	Muhammad Yazid Bin Abdul Mutalib	Analisis Ramalan Prestasi Akademik Pelajar Menggunakan Algoritma <i>Multilpe Linear Regression</i>	2023	Completed
17.	Azlarul Ikhmal Hakim Bin Mohd	Pemodelan hujan menggunakan kaedah siri masa <i>ARIMA</i> dan <i>SARIMA</i>	2023	Completed

1.6 M.Sc (by Research)

(Please list in chronological order and state: name of student, year, project title and status)

No	Name of Student	Project Title	Year	Status <ul style="list-style-type: none"> • Completed • Submitted • In Progress
1.	Mohd Faris Bin Fauzi	Rainfall Modelling Using Copulas : Parametric and Nonparametric Approach	2017	Completed
2.	Mohd Faizal Bin Mustafa	A Safe Campus Framework for Higher Learning Education Based on Internet of Things	2019	Completed

1.7 M.Sc. External/Internal Examination

(Please list in chronological order and state: name of student, year, project title and status)

No	Name of Student	Project Title	Year	Status <ul style="list-style-type: none"> • Completed • Submitted • In Progress
1.	Nurkhairany Amyra Binti Mokhtar	Simultaneous Functional Relationship Model and Outlier Detection Using Clustering Technique for Circular Variables	2015	Completed
2.	Norzaini Bin Ismail	Army Personnel Readiness Factors to Become a Future Soldier System	2016	Completed

		<i>Faktor Kesiagaan Anggota Tentera untuk Menjadi Sistem Tentera Masa Hadapan</i>		
3.	Abfraha Bin Yahya	Modelling of Weight Lifting using Kane Method <i>Pemodelan Mengangkat Pemberat Menggunakan Kaedah Kane</i>	2018	Completed

2.0 RESEARCH AND PUBLICATION

2.1 Research Projects

(Please list in chronological order and state: title, list of researchers, grant/year, source/amount, date/duration and status) (Please bold your name)

No	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
1.	Kajian Penilaian Pengambilan Makanan dan Komposisi Tubuh Pegawai Kadet Tahun Akhir Universiti Pertahanan Nasional Malaysia (UPNM)	Wan Aida Wan Mustapha Mohd Hazali Mohamed Halip Mejar Zulmalidi Ariffin Ummul Fahri Abdul Rauf	2010	Short-term Grant UPNM-JP-B-01	Completed
2.	Relationship between Mentoring Practices, Self-Efficacy and Individual Attitudes and Behavior: A Study at National Defence University of Malaysia.	Azman Ismail, Nurhana M Rafiuddin, Mohd Norashikin Sahol Hamid, Ummul Fahri Abdul Rauf	2010	Short-term Grant UPNM	Completed
3.	Kaitan Antara Tekanan Kerja dan Konflik Campurtangan Hal Kerja Dengan Keluarga: Peranan Sokongan Sosial Rakan	Azman Ismail, Aniza Wamin, Ummul Fahri Abdul Rauf , Mohamad Nasir Saludin	2010	Short-term Grant UPNM	Completed

No	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
	Sekerja Sebagai Pembolehubah Mencilah	Nurhana M Rafiuddin,			
4.	An Investigation Into Flood Phenomena in Peninsular Malaysia using Copulas and related Non-parametric	Ummul Fahri Abdul Rauf Wan Rozita Binti Wan Din Abdul Ghafor bin Hussain Aniza Binti Ibrahim Nur Aisyah Binti Abdul Fataf	2015	FRGS/1/2015/SG04/UPNM/02/2 RM55500.00	Completed
5.	Chaossynchronization-based Secure Communication	Nur Aisyah Binti Abdul Fataf, Santo Banerjee, Ummul Fahri Abdul Rauf	2015	UPNM/2015/GPJP/2/SG/30 RM38,000.00	Completed
6.	Kinetics and Mechanism of Zinc (II) Ions Adsorption Using Thermally Treated Rice Husk	Ong Keat Khim, Wan Md Zin Wan Yunus, Ummul Fahri Abdul Rauf	2015	UPNM	Completed
7.	Synchronization Between Two Modulated Hyper Choatic Systems for Secure Communications	Nur Aisyah Binti Abdul Fataf, Mohamad Rushdan Md Said, Santo Banerjee, Ummul Fahri Abdul Rauf	2017	FRGS/1/2017/STG06/UPNM/03/1	Completed
8.	Achieving Academic Excellence Through a New Model For Teaching and Learning at NDUM	Jowati Juhary, Ummul Fahri Abdul Rauf , Nurhana Rafiuddin	2018	UPNM	Completed
9.	Simple and Rapid Method to Detect a Simulant of Nerve Agent by Colorimetric Incorporated with Image Processing Technique	Ong Keat Khim, Wan Md Zin Wan Yunus, Noor Azilah Mohd Kassim,	2019	UPNM/2018/CHEMDEF/ST/02 (RM200 000)	Completed

No	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
		Ummul Fahri Abdul Rauf			
10.	Developing A Systematic Framework Assessment Tool and Model for Combat Readiness for Malaysian The Army	Hasan Al-Banna, Inderjit Singh A/L Tara Singh, Ahmad Azan Bin Ridzuan, Wong Wai Loong, Safar Bin Yaacob, Ummul Fahri Abdul Rauf , Abdul Rahman Bin Abdul Razak Shaik	2019	FRGS/1/2019/SS03/UPNM/02/2 (RM81,200)	Completed
11.	Depression, Anxiety and Stress Among UiTM Students During Covid-19 Pandemics – A Structural Equation Modelling Approach	Hazlin Hasan, Ummul Fahri Abdul Rauf , Sharifah Norhuda Syed Wahid, Khairunisah Nikman, Azwan Shah Aminuddin	2020	Lestari Covid-19 UiTM Grant (RM 10,000)	Completed
12.	Digital Pedagogy for Higher Education in Disrupted Setting: A Future Framework for New Time	Erda Wati Binti Bakar, Jowati Juhary, Ummul Fahri Abdul Rauf , Neza Bin Ismail, Ahmad Thamrini Fadzlin B. Syed Mohamed, Mohammad Adib Bin Khairuddin	2021	FRGS/1/2021/SSIO/UPNM/03/1 (RM 75,000)	In Progress
13.	Elucidating The Mechanism of An Effective Online Teaching Among Malaysian Educators	Husna Sarirah Husin, Shahrinaz Ismail, Ummul Fahri Binti Abdul Rauf ,	2021	FRGS/1/2021/SS0/UNIKL/03/1 (RM 71,000)	In Progress

No	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
		Siti Haryani Shaikh Ali			
14.	Measuring effectiveness of Tail Dependence on Return Periods of Multivariate Extreme Rainfall Events in Peninsular Malaysia using Copulas	Ummul Fahri Abdul Rauf , Zuraini Zainol, Mohd Rizal Mohd Isa	2022	UPNM/2022/ GPJP/SG/4	In Progress

2.2 Publications

2.2.1 Invited/Keynote Papers/Presentation

(Please list in chronological order and state: authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name))

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level • International • National • University
1.	U.F. Abdul Rauf and P. Zeephongsekul, 2011 “Modelling rainfall severity and duration in north-eastern Victoria using Copulas”, 19 th International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand, December 2011 pp. 3462 - 3468	International
2.	U.F. Abdul Rauf and P. Zeephongsekul, 2012 “Archimedean Copula Models for Drought Characteristics with Applications to Victoria”, The 48 th ANZIAM Conference, Australia New Zealand Applied Mathematics , February 2012 . Warrnambool, Victoria	International
3.	U.F. Abdul Rauf and P. Zeephongsekul, 2012 “Copulas Analysis of Victorian Precipitation Data: a Nonparametric Approach”, CTAC 2012, The 16th Biennial Computational Techniques and Applications Conference, 23 - 26 September, 2012.	International
4.	U.F. Abdul Rauf and P. Zeephongsekul, 2014 “Copula-based Approach for Estimating Return Periods of Floods in Victoria, Australia”, The 50 th ANZIAM Conference, Australia New Zealand Applied Mathematics Conference, February 2014. Rotorua, New Zealand.	International
5.	Invited Speaker M.F. Fauzi, U.F. Abdul Rauf , R. Khan, N. A. A. Jamaludin, 2019 “ Modelling the statistical dependence of rainfall variables using copula: A case study of Terengganu State”. ISETech 2019, Perlis, Malaysia	International
7.	Invited Speaker Ummul Fahri Abdul Rauf and Mohd Faris Fauzi. 2021 “Copulas Analysis of Victorian Precipitation Data: a Nonparametric Approach.” International Symposium on Engineering and Technology. ISETech 2021	International

8.	Invited Speaker Ummul Fahri Abdul Rauf , Sharifah Norhuda Syed Wahid, Hazlin Hasan, Mohd Faris Fauzi, Azwan Shah Aminuddin. 2022. "The Exploratory Factor Analysis (EFA) of DASS-21 Index: A Case Study of UiTM Student" The ICoAIMS 2022: 3rd International Conference on Applied & Industrial Mathematics and Statistics 2022.	International
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2.2.2 Book/Chapter in Book:

(Please list in chronological order and state: authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name))

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> • International • National • University
1.	Aniza Wamin, Azuraini Mohd Arif, Ummul Fahri Abdul Rauf , 2010. Statistics EFA2213, Universiti Pertahanan Nasional Malaysia, 1 st edition.	University

2.2.3 Journal Article

(Please list in chronological order and state: authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name))

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> • International • National • University
1.	A.Ismail, A.Wamin, U.F. Abdul Rauf , M.N. Saludin, S. Abdullah. 2011 "Work Stress, Coworker's Social Support and Work Interference with Family Conflict: Perceptions of Employees in Defence Based Public Higher Institution". <i>MIDAS Journal</i> .	International
2.	Zulaikha Mohd Rashid, Suriah Abd Rahman, Zalifah Mohd Kasim, Wan Aida Wan Mustapha, Mohd Hazali Mohamed Halip, Zulmadi Arifin, Ummul Fahri Abdul Rauf , 2011 "Nutritional Status and Physical Activities among Army Trainees in Public Institutions of Higher Education in Malaysia". <i>Food and Nutrition Sciences</i> , 2, 511-520	International
3.	U.F. Abdul Rauf and P. Zeepongsekul, 2014 "Copula-based analysis of rainfall severity and duration: a case study. <i>Theoretical and Applied Climatology</i> . 115 (1-2) , 153 - 166	International
4.	U.F. Abdul Rauf and P. Zeepongsekul, 2014 "Analysis of Rainfall Severity and Duration in Victoria, Australia: a Nonparametric Approach. <i>Water Resources Management</i> . 28:4835-4856	International
5.	U.F. Abdul Rauf and P. Zeepongsekul, "Analysis of Rainfall Severity and Duration in Victoria, Australia: a Nonparametric Approach. <i>Australian</i>	International

	<i>Meteorological and Oceanographic Journal.</i> (Pending publication with minor revision)	
6.	K. K. Ong, A. T. Ahmad Farhan, W. M. Z. Wan Yunus, Ahmad Mujahid Ahmad Zaidi, M. L. Jabit, A. Fitrianto, K. M. Safidin, U. F. Abdul Rauf , F. Che Ros, A. G. Hussin, M.B. Ahmad. 2016. Factorial Design Analysis of Zn(II) Ions Adsorption on Thermally Treated Rice Husk. <i>Modern Applied Science.</i> Vol 10(1).	International
7.	A. T. Ahmad Farhan, K. K. Ong, W. M. Z. Wan Yunus, M. L. Jabit, A. Fitrianto, U. F. Abdul Rauf , A. G. Hussin, C. C. Teo, M. B. Ahmad. 2016 . Optimisation of Nickel (II) Adsorption Using Thermally Treated Rice Husk. <i>International Journal of Applied Environmental Sciences</i> Volume 11, Number 3 (2016), pp. 717-730	International
8.	Jin Hoong Leong, Keat Khim Ong, Wan Yunus Wan Md Zin, Fitrianto Anwar, Ummul Fahri Abdul Rauf , Chin Chuang Teoh, Hussin Abdul Gapor and Mohd Junaedy Osman. Optimisation of Arsenic (III) by Colorimetric Incorporated with Image Processing Technique. <i>Oriental Journal of Chemistry.</i> 2016, Vol. 32, No. (5): Pg. 2407-2423	International
9.	Leong Jin Hoong, Ong Keat Khim, Wan Md Zin Wan Yunus, Anwar Fitrianto, Teoh Chin Chuang, Abdul Gapor Hussin, Ummul Fahri Abdul Rauf , Mansor Ahmad. Improvement of Colorimetric Arsenic (V) Concentration Determination by an Image Processing Technique: Application of Factorial Design Analysis. <i>International Journal of ChemTech Research.</i>	International
11	Nur Athirah Zulkifli, Teoh Chin Chuang, Ong Keat Khim, Norliza Abu Bakar, Ummul Fahri Abdul Rauf , Wan Md Zin Wan Yunus. Effects of simulated microgravity on rice (MR219) growth and yield. <i>Malaysian Journal of Fundamental and Applied Sciences</i> Vol. 14 No. 2 (2018) 278-283	International
12	M.F. Fauzi, U.F. Abdul Rauf , P. Zeephongsekul, N. A. Abdul Fataf. Tail Dependence between Rainfall Characteristics using Copula: The Case of Pahang state. <i>ASM Sc. J.</i> , 11, Special Issue 3, 2018 for SANREM, 246-253	International
13	Jowati Juhary, Ahmad Fahimi Amir, Ummul Fahri Abdul Rauf , Mohd Rizal Mohd Isa, Nurhana Mohammad Rafiuddin, Wan Farizatul Shima Wan Ahmad Fakuradzi Achieving Academic Excellence at the Defence University: No Challenges Are a real Challenge? (Accepted for Publication. <i>Zulfaqr Journal</i> , 2018)	International
14	Nur Athirah Zulkifli, Teoh Chin Chuang, Ong Keat Khim, Norliza Abu Bakar, Ummul Fahri Abdul Rauf , Wan Md Zin Wan Yunus. Green Approach of Rice (MR219) Treatment using a 2-D Clinostat: Factorial Design Analysis. (Accepted for Publication. <i>Journal of Sustainability Science and Management</i>)	International
15.	S. Inderjit, Kwong Fook Wen, Ong Hai Liaw, Hasan Al-Banna Mohamed, Wong Wai Loong, Safar Yaacob, Ummul Fahri Abdul Rauf , Abdul Rahman Abdul Razak Shaik, M. Yugananthini. (2020). <i>Combat Readiness in an Army Battalion: The Intangible Human</i>	International

	Dimension. Solid State Technology. Vol. 63, No. 1s. pp. 1815 - 1825. ISBN: 00381111X	
16.	Inderjit, S., Hasan Al-Banna Mohamed, Kwong FW, Jessica Ong Hai Liaw, Abdul Rahman Abdul Razak Shaik, Safar Yaacob, Wong Wai Loong, Ummul Fahri Abdul Rauf , Siti Najwa Zainuddin. (2021). Measurement of Intangible Human Elements of Military Combat Readiness. Academy of Strategic Management Journal (ASMJ): Strategic Management & Decision Process. Vol. 20, Special Issue 6, pp. 1-17. Print ISSN: 1544-1458; Online ISSN: 1939-6104- 20-S6-220.	International
17.	S. Inderjit, Hasan Al-Banna Mohamed, Safar Yaacob, Ummul Fahri Abdul Rauf , Abdul Rahman Abdul Razak Shaik, Jessica Ong Hai Liaw, Siti Najwa Zainuddin. (2021). Measurement of Intangible Human Elements in Determining Military Combat Readiness. Asia Journal of Behavioral Sciences. Volume 3, No. 4: December, pp. 29-38. ISSN Online: 2710-5865	International
19.	Husna Sarirah Husin, Shahrinaz Ismail, Siti Haryani Shaikh Ali, Ummul Fahri Abdul Rauf . Conceptual Framework of Factors Affecting Online Teaching International Journal of Innovative Research and Scientific Studies, 5(4) 2022, pages: 354-362	International
20.	Mustafa, M. F., Mohd Isa, M. R., Abdul Rauf, U. F. , Ismail, M. N. ., Mohd Shukran, M. A. ., Khairuddin, M. A. ., Wahab, N. ., & Mohd Safar, N. Z. . (2021). Student Perception Study On Smart Campus: A Case Study On Higher Education INSTITUTION. <i>Malaysian Journal of Computer Science</i> , 1–20.	International
23.	Zubaidah Hasain, Raja Affendi Raja Ali, Hajar Fauzan Ahmad, Ummul Fahri Abdul Rauf , Seok Fang Oon and Norfilza Mohd Mokhtar (2022). The Roles of Probiotics in the Gut Microbiota Composition and Metabolic Outcomes in Asymptomatic Post-Gestational Diabetes Women: A Randomized Controlled Trial. Nutrient. Issue Prebiotics and Probiotics in Diabetes and Metabolism Disorder. Nutrients 2022.	International
24.	Muhd Yazid Abdul Motalib, Zuraini Zainol, Ummul Fahri Abdul Rauf , Puteri NE Nohuddin. Journal of Information System and Technology Management(JISTM), 2023. Analisis Ramalan Prestasi Akademik Pelajar Menggunakan Aplikasi MyCGPA.	International

2.2.4 Proceedings Articles:

(Please list in chronological order and state: authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)

No	Authors, year, title, publisher/journal/conference, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> • International • National • University
1.	U.F. Abdul Rauf and P. Zeephongsekul, 2011 “Modelling rainfall severity and duration in north-eastern Victoria using Copulas”, 19 th International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand, December 2011 pp. 3462 - 3468	International

2.	N.A.A.Fataf, S.Mukherjee, M.R.M.Said, U.F.A.Rauf , A.D.Hina, and S.Banerjee. "Synchronization between two discrete chaotic systems for secure communications." 2016 IEEE	International
3.	M F Fauzi, U F Abdul Rauf , W R Wan Din and A G Hussin, 2017. Evaluation of wet indices using standard precipitation index: A case study of Terengganu states J. Phys.: Conf. Ser. 890 012159	International
4.	N S Abd Aziz, A S Rambely and U. F. Abdul Rauf , 2019. Determining the Kinematics Data on PLF Technique by Comparing Professional and Amateur Malaysian Army Parachutists. 2 nd International Conference on Applied and Industrial Mathematics and Statistics 2019.	International
5.	M.F. Fauzi, U.F. Abdul Rauf , R. Khan., "Modelling the Statistical Dependence of Rainfall Variables using Copula: A Case Study of Terengganu state". 1 st Symposium of Engineering and Technology, ISETech 2019. IOP Conference Series. Material Science and Engineering	International
6.	S. Inderjit, Hasan Al-Banna Mohamed, Safar Yaacob, Ummul Fahri Abdul Rauf , Abdul Rahman Abdul Razak Shaik, Jessica Ong Hai Liaw, Siti Najwa Zainuddin, Kwong Fook Wen, Wong Wai Loong. (2021). Measurement of Intangible Human Elements in Determining Military Combat Readiness. Asia E-Conference on Business, Education, Social Sciences and Technology 2021 (ACBEST2021)). e-ISBN: 978-967-19603-3-2. Kuala Lumpur, Malaysia. pp. 79-89. 13 November 2021	International
7.	Ummul Fahri Abdul Rauf and Mohd Faris Fauzi (2021) "Copulas Analysis of Victorian Precipitation Data: a Nonparametric Approach." International Symposium on Engineering and Technology. ISETech 2021	International
8.	Ummul Fahri Abdul Rauf , Sharifah Norhuda Syed Wahid, Hazlin Hasan, Mohd Faris Fauzi, Azwan Shah Aminuddin. 2022. "The Exploratory Factor Analysis (EFA) of DASS-21 Index: A Case Study of UiTM Student" The ICoAIMS 2022: 3rd International Conference on Applied & Industrial Mathematics and Statistics 2022.	International
9.	L.S.Supian, A.M.A. Amboalang , Ummul Fahri Abdul Rauf , Khadijah Ismail, Chew Sue Ping, Nani Fadzlina Naim 2022 "Qualitative Assessment of Cooking Oil using Diffuse Reflectance Spectroscopy Technique "International Conference on Green Energy, Computing and Sustainable Technology (GECOST) 2022 IEEE	International
10.	Ummul Fahri Abdul Rauf , Mohd Faris Fauzi. AIP Conference Proceedings, 2023. Copulas Analysis of Victorian Precipitation Data: A Nonparametric Approach. pp 1-10, 06 Oktober 2023	International
11.	S. Inderjit, Hasan Al-Banna Mohamed, Kwong FW, Jessica Ong Lai Liaw, Abdul Rahman Abdul Razak Shaik, Safar Yaacob, Wong Wai Loong, Ummul Fahri Abdul Rauf , 15 th ICHiSS Book of Abstracts. Assessment of Intangible Human Elements in Preparedness Towards Military Combat Readiness. International Convention Center (ICC). pp 49-69, 18-19 May 2023.	International

3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

(a) Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award , Academic Assessor/External Examiner/Ph.D. Thesis Examiner, Master's Thesis Examiner/Promotion Assessor (External), Internal Thesis Examiner, Visiting Professor/Fellowship, Invited Speaker, Editorial Board and other academic recognition.

(Please list in chronological order and state: Academic Recognition (e.g. award name,invited speakers etc.), year, level and awarding body/ name of institution)

No	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1.	Anugerah Perkhidmatan Cemerlang (APC)	2010	University	Universiti Pertahanan Nasional Malaysia
2.	Matriculation Examiner	2010	National	Ministry of Education
3.	Penilai Kolokium Siswazah	2014 -2016	University	Universiti Pertahanan Nasional Malaysia
4.	Prestasi Perkhidmatan Cemerlang 2015	2015	University	Universiti Pertahanan Nasional Malaysia
5.	Pengubal Soalan – Kebangsaan dan Negeri bagi Pertandingan Olympiad Sains dan Matematik 2016 – Gagasan Pendidikan Melayu Malaysia	2016	National	Gagasan Pendidikan Melayu Malaysia
6.	Setiausaha Pertandingan Olympiad Sains dan Matematik 2016 Peringkat WP KL	2016	National	Gagasan Pendidikan Melayu Malaysia
7.	Panel Juri Pertandingan Olympiad Sains dan Matematik 2016 Peringkat Negeri Melaka	2016	National	Gagasan Pendidikan Melayu Malaysia
8.	Juruaudit MyQUEST 2017	2017	National	Kementerian Pendidikan Tinggi
9.	Panel Penilai Skim Geran Penyelidikan Fundamental bagi	2019	University	Universiti Pertahanan Nasional Malaysia

	Penyelidik Baharu (FRGS-RACER) Bagi Tahun 2019			
10.	Invited Speaker	2019	International	ISETech 2019
11.	Panel Juri Penyampaian Projek Tahun Akhir Pembentangan Poster Jabatan Kejuruteraan Awam	2019	University	Universiti Pertahanan Nasional Malaysia
12.	HRDF Certified Trainer	2020	National	Human Resource Development Fund
13.	Anugerah Perkhidmatan Cemerlang (APC)	2020	University	Universiti Pertahanan Nasional Malaysia
14.	Invited Speaker	2021	International	ISETech 2021
15.	Panel Penilai Skim Geran Penyelidikan Fundamental bagi Penyelidik Baharu (FRGS) Bagi Tahun 2021	2021	University	Universiti Pertahanan Nasional Malaysia
16.	Invited Speaker	2022	International	ICoAIMS 2022
17.	Panel Penilai Skim Geran Penyelidikan Fundamental bagi Penyelidik Baharu Bagi Tahun 2022	2022	University	Universiti Pertahanan Nasional Malaysia
18.	Panel Penilai Skim Geran Penyelidikan Fundamental bagi Penyelidik Baharu Bagi Tahun 2023	2023	University	Universiti Pertahanan Nasional Malaysia

(b) Consultancy - Consultancy work that benefited to the University.

(Please list in chronological order and state: title, year, sponsor, value, main researchers and duration of consultancy)

No.	Title	Year	Sponsor	Value	Duration
1.	Kajian Mengenai Kebersihan, Kualiti, Suci dan Halal sebagai Faktor-faktor Penyumbang ke Arah Keberkesanan Peranan Pasar Borong Cheras Sebagai Pusat Strategik Pengedaran Bahan	2009	DPA-PTD	-	6 months

No.	Title	Year	Sponsor	Value	Duration
	Makanan Keperluan Harian Bagi Para Pelanggan				

(c) Service to the University

Service to the university such as Vice Chancellor/Deputy Vice Chancellor/Dean/Director, Deputy Dean/Deputy Director/Unit Coordinator/Hostel Warden, Programme Chairperson/ Assistant Warden/Fellow. Representing University in Sports and Other Non-Academic Activities. Professional/Academic Association (Committee Member).

(Please list in chronological order and state: position/membership, committee and duration)

No	Position/Membership	Committee	Duration
1.	Verifier (Peg. Penentu Sah Data)	MQA Sistem SETARA	3 Years 2007 to 2009
2.	Penolong Pegawai Rekod	Pusat Jaminan Kualiti, UPNM	4 Years 2007 to 2010
3.	Committee Member of New Programme Bachelor of Science (Operational Research)	UPNM/PAP	1 Year 2009 to 2010
4.	Committee Member of New Programme Master of Science (Maritime Technology)	UPNM/FSTP	1 Year 2009 to 2010
5.	Programme Coordinator: Workshop on SPSS 16.0 for Final Year Student (TMT Program)	UPNM/FSTP	6 months Jan - June 2010
6.	Member	Persatuan Sains Matematik Malaysia (PERSAMA)	2010 - 2012
7.	Member	Malaysian Institute Of Statistics	Life Member (Since 25 May 2015)
8.	Deputy Director	Pusat Jaminan Kualiti dan Pengurusan Data	2 Mar 2015 – current
9.	Deputy Secretary for <i>Jawatankuasa Jaminan Kualiti Universiti</i>	UPNM	13 Jan 2016 – 31 Dec 2018
10.	Floor Manager	Audit Autonomi (UPNM)	1-5 Dec 2015
11.	Co-Chair	Pembentukan Program Baharu Penyelidikan Operasi (Operation Research) – OR	19 Mar 2015 – 31 Mar 2018

12.	Committee Member	Pembentukan Program Baharu Sarjana Muda Sains Forensik dan Penyiasatan	11 May 2016 – 31 May 2017
13.	Mentor	Mentor Bagi Staf Yang Telah Tamat Tempoh Cuti Belajar Tetapi Masih Belum Tamat Pengajian	24 Mar 2016 – kini
14.	Deputy Director	Pusat Jaminan Kualiti dan Pengurusan Data	2 Mar 2017 – 31 Dec 2019
15.	Deputy Director	Pusat Jaminan Kualiti dan Pengurusan Data	1 Jan 2020 – 31 Dec 2022
16.	Internal Auditor	SETARA 2016	2017
17.	Internal Auditor	SETARA 2018	2020
18.	Internal Auditor	SETARA (2019-2021)	2022
19.	Mentor	Penyelidikan Bidang Sains Gunaan	1 Feb 2023 - kini

d) Service to the community

(Please list in chronological order and state: level of involvement, activity, organiser, venue, date/year/ duration)

No	Level of involvement	Activity	Organiser	Venue	Date/Year/Duration
1.	State (Selangor)	Latihan Bencana Alam	Malaysian Red Crescent Society	Templer Park	1994
2.	National	Jogathon	Malaysian Red Crescent Society	Tasik Perdana Kuala Lumpur	1997
3.	International	PROMS and ISME 2006 Conference	International Islamic University of Malaysia	Pan Pacific Hotel, Kuala Lumpur	June 2005
4.	International	Seminar on Thinking	International Islamic University of Malaysia	Pan Pacific Hotel, Kuala Lumpur	August 2005
5.	National	Pengubalan Soalan Pertandingan Olympiad Sains Matematik 2016	Gagasan Pendidikan Melayu Malaysia	Hotel Grand Bluewave Shah Alam	August 2016
6.	National	Setiausaha Pertandingan Olympiad Sains dan Matematik 2016 Peringkat WP KL	Gagasan Pendidikan Melayu Malaysia	Universiti Pertahanan Nasional Malaysia	Sept 2016

7.	National	Panel Juri Pertandingan Olympiad Sains dan Matematik 2016 Peringkat Negeri Melaka	Gagasan Pendidikan Melayu Malaysia	Sekolah Beasrama Penuh Integrasi Selandar Melaka	14 Nov 2016
8.	National	Panel Juri Persiapan ke Pertandingan International Conference of Young Scientist (ICYS) 2017	Center for Young Scientists Malaysia (CYSM)	Maktab Tentera Diraja Malaysia	31 Mac 2017
9.	National	Juruaudit Penarafan MyQuest 2018	Kementerian Pengajian Tinggi		2018
10.	National	Juruaudit Penarafan MyQuest 2022	Kementerian Pengajian Tinggi		2022


Award and International Recognition

1. GOLD AWARD, FIRST PLACE - APPLIED RESEARCH IN SOCIAL SCIENCES - DEFENCE, SECURITY AND SUSTAINABILITY COLLOQUIUM & EXHIBITION 2019 (DSS 2019). Lestari Building, UPNM. Title: "Developing A Systematic Framework Assessment Tool And Model For Military Combat Readiness". Organizer: PPPI, UPNM. Location: Lestari Building, UPNM.
2. GOLD AWARD & INTERNATIONAL RECOGNITION - CROATIA - MALAYSIA TECHNOLOGY EXPO (MTE 2020), The 19th International Expo on Inventions and Innovations. PWTC, KL. Title: "A Concept of Systematic Assessment Model for Individual Readiness in the Malaysian Army". Category: Social Innovations & Entrepreneur Management.
3. .GOLD AWARD - CARNIVAL OF RESEARCH AND INNOVATION (CRI 2021), UMK, Kelantan. Title: "Measurement Of Combat Military Readiness Using Intangible Human Dimension Factors". Organizer: RMC, UMK, & Politeknik Kelantan.
4. GOLD AWARD & THIRD PLACE - APPLIED (Non S&T) - Defence, Security and Sustainability Colloquium & Exhibition 2022 (DSS 2022). Title: "Measurement of Intangible Human Dimension in Complementing Military Combat Readiness". Organizer: PPPI, UPNM. Level 4, LESTARI Building, UPNM.
5. . GOLD AWARD - 33rd International Invention, Innovation & Technology Exhibition, Malaysia (ITEX '22). Title: "Web Application - COMMAND CLIMATE READINESS SYSTEM (CCReS)". Location: KLCC. Organizer: MINDS (Malaysian Invention and Design Society) & CIS.
6. SILVER AWARD - INTERNATIONAL INVENTION, INNOVATION & TECHNOLOGY EXHIBITION, MALAYSIA (ITEX 2020). Title: 'Measurement of intangible Human

Dimensions of Soldiers for Military Combat Readiness'. Location: KLCC. Presented Online.

7. BRONZE AWARD - MELAKA INTERNATIONAL INTELLECTUAL EXPOSITION (MIIEX 2019). Title: 072-180 - "A Systematic Framework Assessment Measurement Tool And Model For Military Combat Readiness". Organizer & Location: UiTM, Malacca.
8. BRONZE AWARD - International Conference and Exposition on Inventions by Institutions of Higher Learning (PECIPTA 2019). UTHM, Johor. Title: "Developing A Systematic Framework Assessment Tool and Model for Military Combat Readiness".
9. GOLD AWARD - THE INTERNATIONAL CONFERENCE AND EXPOSITION ON INNOVATIONS by Higher Learning (PECIPTA) 2022. Organizer: UMK Kelantan. Title: "Web Application Assessment Tool for Measurement of Human Dimension Factors to Complement Operational Readiness of Individual & Units"

I declare that all the information in this form is true and correct. The University has the right to withdraw or reject the application if any information in this form found to be untrue.

Signature : 

Name : Ummul Fahri Binti Abdul Rauf

Faculty/Department : UPNM

Date : 3rd March 2023

I verify that, to the best of my knowledge, all the information provided in the forms are true.

Dean
Signature and Stamp :
Date :