CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI *(Personal Details)*

Nama Penuh *(Full Name)*	Muhammad Aslam bin Mohd Safari		Gelaran *(Title):* Dr.
No. MyKad / No. Pasport *(Mykad No. / Passport No.)* 910730-10-5617	Warganegara *(Citizenship)* Malaysia	Bangsa *(Race)* Malay	Jantina *(Gender)* Male
Jawatan *(Designation)*	Senior Lecturer	Tarikh Lahir *(Date of Birth)*	30 July 1991

Alamat Semasa *(Current Address)*	Jabatan/Fakulti *(Department/Faculty)*	E-mel dan URL *(E-mail Address and URL)*
No. 203, Blok 1 Pangsapuri UKM, Jalan 1/1 Seksyen 1, 43650 Bandar Baru Bangi, Selangor Tel: 013-4292945	Department of Mathematics and Statistics, Faculty of Science, Universiti Putra Malaysia, 43400 UPM Serdang, Selangor	E-mail: aslam.safari@upm.edu.my URL: researchgate.net/profile/Aslam-Safari H/P: 013-4292945

B. KELAYAKAN AKADEMIK *(Academic Qualification)*

Nama Sijil / Kelayakan *(Certificate / Qualification obtained)*	Nama Sekolah Institusi *(Name of School / Institution)*	Tahun *(Year obtained)*	Bidang pengkhusususan *(Area of Specialization)*
Doctor of Philosophy	Universiti Kebangsaan Malaysia	2019	Statistics
Master of Science	Universiti Kebangsaan Malaysia	2015	Statistics
Bachelor of Science	Universiti Kebangsaan Malaysia	2013	Actuarial Science
Sijil Pelajaran Malaysia	Sekolah Menengah Kebangsaan Agama Simpang Lima	2008	Pure Science

C. KEMAHIRAN BAHASA *(Language Proficiency)*

Bahasa / *Language*	Lemah *Poor (1)*	Sederhana *Moderate (2)*	Baik *Good (3)*	Amat Baik *Very good (4)*	Cemerlang *Excellent (5)*
English					✓
Bahasa Melayu					✓
Chinese					

Lain-lain *(other): Arabic*	✓				

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN
(Scientific experience and Specialisation)

Organization	Position	Start Date	End Date	Expertise

E. PEKERJAAN *(Employment)*

Majikan / *Employer*	Jawatan / *Designation*	Jabatan / *Department*	Tarikh lantikan / *Start Date*	Tarikh tamat / *Date Ended*
Universiti Putra Malaysia	Senior Lecturer	Department of Mathematics and Statistics, Faculty of Science	1 Mac 2021	Present
Universiti Kebangsaan Malaysia	Research Assistant	Department of Mathematical Sciences, Faculty of Science and Technology	1 September 2020	28 February 2021
Universiti Malaya	Senior Lecturer	Institute of Mathematical Sciences, Faculty of Science	1 June 2020	31 August 2020

F. ANUGERAH DAN HADIAH *(Honours and Awards)*

Name of awards	Title	Award Authority	Award Type	Year
Academic Awards	Anugerah PERSAMA 2020 (Kategori Tesis Ph.D)	Persatuan Sains Matematik Malaysia (PERSAMA)	National	2020
	Excellent Thesis Award	Faculty of Science and Technology, UKM	University	2019
	Outstanding Paper Award	The 4th International Conference on Computing, Mathematics and Statistics	International	2019
Non-Academic Awards				
Awards of Merit				

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) *(List of publications – author (s), title, journal, volume, page and year published)*

Journal	1. **Safari, M. A. M.**, Masseran, N. & Haron, M. A. (2024). Examining Tail Index Estimators in New Pareto Distribution: Monte Carlo Simulations and Income Data Applications. Sains Malaysiana, 53(2), 461-476 (**UKM, WOS Q4, IF: 0.800**). 2. Masseran, N., **Safari, M. A. M.**, & Tajuddin, R. R. M. (2024). Probabilistic classification of the severity classes of unhealthy air pollution events. *Environmental Monitoring and Assessment*, *196*(6), 523. (**Springer, WOS Q2, IF: 3.000**). 3. Tajuddin, R. R. M., **Safari, M. A. M**., & Ismail, N. (2024). Robust parameter estimation for one-inflated positive Poisson Lindley distribution under the presence and absence of outliers with applications to crime data. *Pakistan Journal of Statistics and Operation Research*, 369-381 (**College of Statistical and Actuarial Sciences, Scopus**).

4. **Safari, M. A. M.**, & Masseran, N. (2024). Robust estimation techniques for the tail index of the new Pareto-type distribution. Empirical Economics, 1-29 1110 (**Springer, WOS Q2, IF:2.647**).

5. Abd Raof, A. S., Haron, M. A., **Safari, M. A. M.**, & Siri, Z. (2022). Modeling the Incomes of the Upper-Class Group in Malaysia using New Pareto-Type Distribution. Sains Malaysiana, *51*(10), 3437-3448 (**UKM, WOS Q4, IF: 1.009**).

6. **Safari, M. A. M.**, Masseran, N., & Majid, M. H. A. (2022). Wind energy potential assessment using Weibull distribution with various numerical estimation methods: a case study in Mersing and Port Dickson, Malaysia. Theoretical and Applied Climatology, 148(3), 1085-1110 (**Springer, WOS Q2, IF:3.179**).

7. Masseran, N., & **Safari, M. A. M.** (2022). Statistical Modeling on the Severity of Unhealthy Air Pollution Events in Malaysia. Mathematics, 10(16), 3004 **(MDPI, WOS Q1, IF: 2.258).**

8. Edrus, R. A., Siri, Z., Haron, M. A., **Safari, M. A. M.**, & Kaabar, M. K. (2022). A Comparative Analysis of the Forecasted Mortality Rate under Normal Conditions and the COVID-19 Excess Mortality Rate in Malaysia. Journal of Mathematics, 2022 (**Hindawi, WOS Q2, IF:0.971**).

9. Edrus, R. A., Siri, Z., Haron, M. A., **Safari, M. A. M.**, & Kaabar, M. K. (2022). Econometric Analysis of Macroeconomic to Age-Specific Mortality Rate in Malaysia: Evidence from Panel Data. Journal of Mathematics, 2022 (**Hindawi, WOS Q2, IF:0.971**).

10. Masseran, N., & **Safari, M. A. M.** (2021). Mixed POT-BM approach for modeling unhealthy air pollution events. *International journal of environmental research and public health*, *18*(13), 6754 **(MDPI, WOS Q1, IF: 2.849).**

11. **Safari, M. A. M.**, Masseran, N., & Majid, M. H. A. (2021). Robust and Efficient Reliability Estimation for Exponential Distribution. *CMC-Computers Materials & Continua*, 69(2), 2807-2824 **(Tech Science Press, WOS Q1, IF: 4.890)**.

12. **Safari, M. A. M.**, Masseran, N., Ibrahim, K., & Hussain, S. I. (2021) Measuring income inequality: A robust semi-parametric approach. *Physica A: Statistical Mechanics and its Applications*, 562, 125359 **(Elsevier, WOS Q2, IF: 2.924)**.

13. **Safari, M. A. M.**, Masseran, N., & Abdul Majid, M. H. (2020) Robust reliability estimation for Lindley distribution–A probability integral transform statistical approach. *Mathematics*, 8(9), 1634 **(MDPI, WOS Q1, IF: 1.747).**

14. **Safari, M. A. M.**, Masseran, N., Ibrahim, K., & AL-Dhurafi, N. A. (2020). The power-law distribution for the income of poor households. *Physica A: Statistical Mechanics and its Applications*, 124893 **(Elsevier, WOS Q2, IF: 2.924)**.

15. **Safari, M. A. M.**, Masseran, N., Jedi, A., Mat, S., Sopian, K., Bin Abdul Rahim, A., & Zaharim, A. (2020). Rural Public Acceptance of Wind and Solar Energy: A Case Study from Mersing, Malaysia. *Energies*, 13(15), 3855 (**MDPI, WOS Q3, IF: 2.702**).

16. Masseran, N., & **Safari, M. A. M.** (2020). Intensity–duration–frequency approach for risk assessment of air pollution events. *Journal of Environmental Management*, 264, 110429 **(Elsevier, WOS Q1, IF: 4.865)**.

17. Masseran, N., & **Safari, M. A. M.** (2020). Risk assessment of extreme air pollution based on partial duration series: IDF approach. *Stochastic Environmental Research and Risk Assessment*, 1-15 **(Springer, WOS Q1, IF: 2.807)**.

18. Masseran, N., & **Safari, M. A. M.** (2020). Modeling the transition behaviors of PM 10 pollution index. *Environmental Monitoring and Assessment*, 192(7), 1-15 **(Springer, WOS Q3, IF: 1.959)**.

19. Masseran, N., Yee, L. H., **Safari, M. A. M.**, & Ibrahim, K. (2019). Power law behavior and tail modeling on low income distribution. *Mathematics and Statistics*, 7(3), 70-77 **(Horizon Research Publishing, Scopus).**

20. **Safari, M. A. M.**, Masseran, N., & Ibrahim, K. (2019). On the identification of extreme outliers and dragon-kings mechanisms in the upper tail of income distribution. *Journal of Applied Statistics*, 1-17 **(Tylor & Francis, WOS Q4, IF: 0.699)**.

21. **Safari, M.A.M.**, Masseran, N., Ibrahim, K., & Hussain, S. I. (2019). A robust and efficient estimator for the tail index of inverse Pareto distribution. *Physica A: Statistical Mechanics and its Applications*, 517: 431-439 **(Elsevier, WOS Q2, IF: 2.132)**.

22. AL-Dhurafi, N. A., Masseran, N., Zamzuri, Z. H., & **Safari, M. A. M.** (2018). Modeling the Air Pollution Index based on its structure and descriptive status. *Air Quality, Atmosphere & Health*, 11(2), 171-179 **(Springer, WOS Q2, IF: 3.184)**.

23. **Safari, M. A. M.**, Masseran, N., & Ibrahim, K. (2018). Optimal threshold for Pareto tail modelling in the presence of outliers. *Physica A: Statistical Mechanics and its Applications*, 509, 169-180 **(Elsevier, WOS Q1, IF: 2.243)**.

24. **Safari, M. A. M.**, Masseran, N., & Ibrahim, K. (2018). A robust semi-parametric approach for measuring income inequality in Malaysia. *Physica A: Statistical Mechanics and its Applications*, 512, 1-

	13 **(Elsevier, WOS Q1, IF: 2.243)**.
	25. **Safari, M. A. M.** & Zin, W. Z. W. (2017). Pemodelan Taburan Zarah Terampai Melampau di Lembah Klang. *Sains Malaysiana*, 46(6), 989-999 **(UKM, WOS Q3, IF: 0.350)**.
Books/Monographs	-
Chapter in book	-
Proceedings	1. **Safari, M. A. M.**, & Masseran, N. (2024, September). Comparative study of five different estimators for the power law exponent with application to income data. In *AIP Conference Proceedings* (Vol. 3150, No. 1). AIP Publishing.
	2. Ismail, I., Arasan, J., Mustafa, M. S., **& Safari, M. A. M.** (2024, March). Interval estimation for parameters of Bathtub hazard model with fixed covariate in the presence of right and interval censored data. In AIP Conference Proceedings (Vol. 2895, No. 1). AIP Publishing.
	3. Edrus, R. A., Siri, Z., Haron, M. A., **& Safari, M. A. M.** (2021, July). Model fitting for Malaysian mortality rate: Comparison of Heligman-Pollard and P-splines smoothing. In *Journal of Physics: Conference Series* (Vol. 1988, No. 1, p. 012094). IOP Publishing.
	4. **Safari, M. A. M.**, Masseran, N., & Hussain, S. I. (2021, July). Modeling urban household income in Malaysia using parametric approach. In *Journal of Physics: Conference Series* (Vol. 1988, No. 1, p. 012090). IOP Publishing.
	5. Hussain, S. I., Masseran, N., Ruza, N., & **Safari, M. A. M.** (2021, July). Predicting Extreme Returns of Bitcoin: Extreme Value Theory Approach. In *Journal of Physics: Conference Series* (Vol. 1988, No. 1, p. 012091). IOP Publishing.
	6. Masseran, N., **Safari, M. A. M.**, & Hussain, S. I. (2021, July). Modeling the distribution of duration time for unhealthy air pollution events. In *Journal of Physics: Conference Series* (Vol. 1988, No. 1, p. 012088). IOP Publishing.
	7. **Safari, M. A. M.**, Masseran, N., Ibrahim, K., & Hussain, S. I. (2020, October). Modeling the income distribution of poor households in Malaysia. In *AIP Conference Proceedings* (Vol. 2266, No. 1, p. 090004). AIP Publishing.
	8. Masseran, N., **Safari, M. A. M.**, Lok, C. M., & Hussain, S. I. (2020, October). Analysis of inequality in the upper-tail of urban household incomes in Malaysia. In *AIP Conference Proceedings* (Vol. 2266, No. 1, p. 090008). AIP.
	9. Hussain, S. I., Ruza, N., Masseran, N., & **Safari, M. A. M.** (2020, October). Dependence structure between index stock market and bitcoin using time-varying copula and extreme value theory. In *AIP Conference Proceedings* (Vol. 2266, No. 1, p. 030002). AIP.
	10. **Safari, M. M.**, Masseran, N., & Ibrahim, K. (2018, April). Outliers detection for Pareto distributed data. In *AIP Conference Proceedings* (Vol. 1940, No. 1, p. 020119). AIP.
	11. Zaharim, A., Mat, S., Sopian, K., Jedi, A., **Safari, M. A. M.**, Masseran, N., & Rahim, A. B. A. (2017, July). Public acceptance on stand-alone renewable energy project in rural area of Malaysia. In Energy and Sustainability in Small Developing Economies (ES2DE), 2017 International Conference in (pp. 1-7). IEEE.
	12. Zaharim, A., Mat, S., Sopian, K., Jedi, A., Masseran, N., & **Safari, M. A. M.** (2017, July). The impact of wind technology among rural community in Mersing Malaysia. In Energy and Sustainability in Small Developing Economies (ES2DE), 2017 International Conference in (pp. 1-6). IEEE.
	13. Sopian, K., Zaharim, A., Mat, S., Fazlizan, A., Maseran, N., **Safari, M. A. M.**, Jedi, A. & Rahim, A. A. (2017, July). The theoretical framework of smart energy management system for rural area in Mersing Malaysia. In Energy and Sustainability in Small Developing Economies (ES2DE), 2017 International Conference in (pp. 1-5). IEEE.
	14. Zin, W. Z. W., **Safari, M. A. M.**, Jaaman, S. H., & Yie, W. L. S. (2014, September). Probability distribution of extreme share returns in Malaysia. In M. Shitan, L. S. Lee, & Z. K. Eshkuvatov (Eds.), *AIP Conference Proceedings* (Vol. 1613, No. 1, pp. 325-333). AIP.
Other publications	-
Computer software	R, Tableau, Alteryx, SPSS

H. PROJEK PENYELIDIKAN TERDAHULU *(Past Research Project)*

Project No.	Project Title	Role	Year	Source of fund	Status
FRGS/1/2024/STG06/UPM/02/10	New robust composite model for modeling income distribution in Malaysia	Project Leader	2024	FRGS	Ongoing
FRGS/1/2023/STG06/UM/02/14	Optimization of heat transfer performance by	Project member	2023	FRGS	Ongoing

	tri-hybrid nanofluid flow over moving surfaces				5 / 4
FRGS/1/2023/STG06/UM/02/11	Modelling inequality of income class in Malaysia for equitable income growth using new Pareto distribution	Project member	2023	FRGS	Ongoing
GP-IPM/2022/9714900	Robust Estimation of Weibull Parameters With Application to Wind Speed Data for Estimation of Wind Power in Malaysia	Project Leader	2022	GERAN PUTRA (Universiti Putra Malaysia)	Ongoing
GPF088B-2020	Modeling The Income of The Upper-Class Group in Malaysia Using New Pareto Distribution	Project member	2020	UMFRG (Universiti Malaya)	Completed