

Suriyati Ujang

Lecturer (DS13) · Faculty of Computer & Mathematical Sciences

Universiti Teknologi MARA (UiTM) Cawangan Pahang, Malaysia

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PROFILE

Statistician and educator specialising in applied statistics, biostatistics, and educational technology. Active in fuzzy multi-criteria decision analysis and the design of award-winning interactive learning tools for statistics and mathematics. Co-researcher on eight funded national research grants totalling RM 1,273,065.

ACADEMIC QUALIFICATIONS

- **PhD in Statistics** — in progress [Institution; expected year]
- **Master of Science in Applied Statistics** — Universiti Teknologi MARA [year]
- **Bachelor of Science (Hons) in Statistics** — Universiti Teknologi MARA [year]

ACADEMIC APPOINTMENT

- **Lecturer**, Faculty of Computer & Mathematical Sciences, UiTM Cawangan Pahang [start year] – present (Grade DS13 since 2017)

RESEARCH INTERESTS

Applied statistics · Biostatistics & health research · Educational technology & learning analytics · Data analysis · Fuzzy methods & multi-criteria decision analysis · Statistics & mathematics education

RESEARCH METRICS

- **Google Scholar:** 66 citations · h-index 4 · i10-index 2 (as at August 2026)
- **Publications:** 24 research publications; 11 Scopus/WoS-indexed (46%).

RESEARCH GRANTS

1. **Islamic Tourism Centre Big Data Strategic Plan and a Proof of Concept: Islamic Tourism Dashboard Analytics** (Jun 2026 – Dec 2026). *Co-researcher*. UiTM.800-3/2 GOV (028/2026). National. Active. **RM 24,000**
2. **Kajian Indeks Persepsi Keselamatan Malaysia (PSI) Tahun 2022** (Jul 2022 – Sep 2024). *Co-researcher*. 100-TNCPI/GOV 16/6/2 (052/2022). National. Completed. **RM 120,000**
3. **Assessing the Readiness of UiTM Cawangan Pahang Towards Big Data Adoption** (Jul 2021 – Jun 2022). *Co-researcher*. 600-TNCPI 5/3/DDN (06) (010/2021). **RM 3,000**
4. **Kajian Persepsi Indeks Keselamatan Malaysia (PSI) bagi Tahun 2020** (Oct 2020 – Aug 2021). *Co-researcher*. 100-TNCPI/GOV 16/6/2 (036/2020). **RM 126,365**
5. **Kajian Impak 20 Tahun Penubuhan UiTM** (Nov 2019 – Dec 2020). *Co-researcher*. **RM 150,000**
6. **Kajian Impak dan Halatuju Pendidikan Digital Negara** (Nov 2018 – Feb 2019). *Co-researcher*. 100-IRMI/GOV. **RM 739,700**
7. **Anti-derivatives Map Mobile Learning Based on Types of Integrand** (Jul 2016 – Jun 2018). *Co-researcher*. UiTM ARAS Grant. **RM 10,000**
8. **Indeks Syariah Malaysia: Kumpulan Penyelidik UiTM** (2016). *Co-researcher*. 100-IRMI/GOV. **RM 100,000**

PUBLICATIONS

Author name in bold. Indexing shown in brackets.

Journal Articles (15)

1. **S Ujang**, R Osman, N Ramli, NH Jumadi, N Imran, NF Mahdan (2026). Ranking Students' Preferences for Mathematics Mobile Applications Using Fuzzy Grade Matrix with Degree of Optimism and Statistical Analysis Approach. *Journal of Quality Measurement and Analysis* 22 (2), 189-205. [Scopus Q4 & WoS]
2. R Osman, N Ramli, **S Ujang**, NF Najihah, T Wibowo (2026). Triangular Intuitionistic Fuzzy (TIF) TOPSIS and Statistical Approach for Convenience Store Preference Ranking. *Journal of Mathematical Sciences and Informatics* 6 (1). [MyCite]
3. R Osman, N Ramli, **S Ujang** (2024). Students' Preferences for Mobile Phone Service Providers based on Fuzzy Grade Matrix and Statistical Analysis. *Gading Journal for the Social Sciences* 27 (2), 106-118. [MyCite]
4. **S Ujang**, ZA Saad, M Mohamad, MA Abdullah, SN Sarimin (2023). Assessing the Readiness of Staff at UiTM Pahang Toward Big Data Adoption. *International Journal of Academic Research in Business and Social Sciences*. [ERA]
5. **S Ujang**, NHS Ismail (2023). Involvement in Cyber-Bullying with Respect to Awareness, Psychological and Peer Influence amongst Undergraduates. *Gading Journal for the Social Sciences* 26 (01), 58-64. [MyCite]
6. AH Azhari, NAM Akil, DSB Aidi, FUM Shah, SMFS Anuar, **S Ujang** (2023). The Comparison Between Students of Coeducational Schools and Single-Sex School in Malaysia. *Jurnal Ilmiah Peuradeun* 11 (3), 831-846. [Scopus & WoS]
7. Z Yaacob, **S Ujang**, L Zainal, AM Embong (2021). English movies in a Malaysian English as a Second Language (ESL) classroom setting. *International Journal of Academic Research in Business and Social Sciences*. [ERA]
8. **S Ujang**, F Shohaimay (2021). Confirmatory Factor Analysis of Career Decision among Malaysian Undergraduates in Raub, Pahang. *ASM Science Journal* 14, Special Issue 1 (ICSTSS2018), 40-47. [Scopus]
9. N Ramli, NHM Abdullah, **S Ujang**, N Mohamed, R Mohamed (2021). An Integrated Fuzzy Approach for Evaluating Mathematics Mobile Application. *ASM Science Journal* 14, Special Issue 1 (ICSTSS2018), 1-9. [Scopus]
10. NK Che Mohd Ramli, **S Ujang**, N Ramli (2020). Awareness of black garlic benefits to health: A preliminary study. *Gading Journal of Science and Technology* 3 (2), 148-155. [MyCite]
11. **S Ujang**, N Md Yusof, H Mohamed Hamdan (2018). Texting Slang: Misinterpretation in Communication. *Journal of Creative Practices in Language Learning and Teaching (CPLT)* 6 (1). [MyCite]
12. **S Ujang**, N Ramli, NHM Abdullah, N Mohamed, R Naina Mohamed (2017). Integration Performance in Intermediate Calculus Course at Diploma Level in the East Coast of Malaysia. *Asian Research Journal of Mathematics* 5 (4), 1-16. [Google Scholar]
13. Z Yaacob, **S Ujang**, WRW Endut, N Abd Kadir, NK Md Shah (2017). Uncovering print and digital literacies: what matters to undergraduates. *Gading Journal for the Social Sciences* 20 (2). [MyCite]
14. Z Yaacob, **S Ujang**, WRW Endut (2016). Digital Literacy: Do Undergraduates Read More or Less?. *International Journal of Academic Research in Business and Social Sciences*. [ERA]
15. **S Ujang**, A Asmat, MR Razak, SNS Wahid (2014). Statistics anxiety among diploma in wood technology students at Universiti Teknologi MARA. *Gading Journal for the Social Sciences* 18 (1). [MyCite]

Conference Proceedings (8)

1. NIM Adnan, SNS Wahid, **S Ujang**, NA Yacob, AA Zaini (2021). Open and distance learning preparedness factors among academicians in UiTM (Pahang) using logistic regression. *AIP Conference Proceedings* 2355 (1), 060005. [Scopus]
2. NIM Adnan, **S Ujang**, SNS Wahid, NA Yacob, AA Zaini, MB Adam (2021). Influence factors for proceeding with open and distance learning: UiTM Pahang sharing experience. *Journal of Physics: Conference Series* 1988 (1), 012050. [Scopus]
3. R Osman, N Ramli, Z Badarudin, **S Ujang**, H Ayub, SNF Asri (2019). Fuzzy number conjoint method to analyse students' perceptions on the learning of calculus. *Journal of Physics: Conference Series* 1366 (1), 012117. [Scopus]
4. A Asmat, SM Deni, **S Ujang** (2018). Identifying rainfall pattern in Sabah and Labuan, Malaysia. *AIP Conference Proceedings* 1974 (1), 040021. [Scopus]

5. **S Ujang**, NM Yusof, INAMM Rawi, BNYB Azhar, NAS Mohamad (2016). Smartphone Addiction: Relationship between Gender, Emotional Instability and Loneliness among UiTM Raub Students. *KONAKA Konferensi Akademik 2016, UiTM Pahang*. [Google Scholar]
6. SS Samsudin, **S Ujang**, NF Sahlan (2016). Effectiveness of constructivist approach on students achievement in mathematics: A case study at primary school in Kuantan, Pahang. *AIP Conference Proceedings* 1739, 020031. [Scopus]
7. A Asmat, **S Ujang**, SNS Wahid (2015). Probability workshop to be better in probability topic. *AIP Conference Proceedings* 1643, 120-124. [Scopus]
8. SNS Wahid, **S Ujang** (2015). Daily concentrations trend and change point of particulate matter (PM10) in Pahang, Malaysia — A case study at Balok Baru. *AIP Conference Proceedings* 1643, 414-418. [Scopus]

Book Chapters (1)

1. NA Ahmad Shafri, NAA Mohd Nizam, AF Afandi, HI Mohamad Rizal, MS Jaafar, **S Ujang** (2025). The relationship of excessive online gaming on academic and lifestyle outcomes among university students. *Book chapter, Universiti Teknologi MARA*. [Book chapter]

Published Abstracts — Innovation (1)

1. MF Mohd Fauzi, **S Ujang** (2026). ProbViz: Interactive Statistics & Probability Visualizer. *Extended Abstracts, Penang International Invention, Innovation & Design (PIID), UiTM Pulau Pinang Branch* · e-ISBN 9786299268505 · 23 July 2026. [e-ISBN]

TEACHING

- **STA191** — Fundamentals of Data Visualization (Diploma)
- **STA334** — Introduction to Statistical Programming
- **STA323** — Introduction to Quality Control
- **STA116** — Introduction to Statistics
- **QMT181 / STA104** — Fundamentals of Statistics

INNOVATION & COMPETITION AWARDS

13 invention & innovation competition medals (6 Gold · 4 Silver · 3 Bronze).

- **Silver** — ProbViz — Statistics & Probability Visualizer. *Penang International Invention, Innovation & Design (PIID) 2025* (2025).
- **Bronze** — GoBID: Testing Readiness of Big Data Adoption in Higher Education Institution. *Creations de UiTM* (2023).
- **Gold** — Mindful Legal Pocket: Retrenchment for Dilettante — Jury Special Award. *PIID 2021* (2021).
- **Gold** — Poket Peka Undang-undang: Checklist. *SPIKE 2021* (2021).
- **Gold** — FDADC: A Fuzzy Questionnaire Analysis System. *IIDEX 2020* (2020).
- **Silver** — Fuzzy Preference Analysis with Degree of Consensus. *KILIEX 2019* (2019).
- **Gold** — Interactive Anti-Derivatives App Based on Types of Integrand. *IIDEX 2018* (2018).
- **Gold** — Anti-Derivatives Mobile Learning Tool Based on Types of Integrand. *InIIC 2/2017, Cameron Highlands* (2017).
- **Silver** — Smart Course in Learning Probability (SCiLeP). *I-TeLearn 2017, UiTM Perlis* (2017).
- **Gold** — Web-Based Online Mathematics Diagnostics Test (WBOMDT). *MIIEX 2015* (2015).
- **Silver** — Smart Workshop to be Better in Probability Topic. *IID 2015, UiTM Negeri Sembilan* (2015).
- **Bronze** — Are You Listening to Me: An Interactive Listening Game. *INDES 2015, UiTM Perak* (2015).
- **Bronze** — Smart Module in Learning Probability (SMiLeP). *IID Johor 2014* (2014).
- **In competition:** SetViz — Interactive Set Theory Learning Tool, *DIID 2026* (result pending, 20 Aug 2026).

PROFESSIONAL SERVICE & MEMBERSHIPS

[To be completed — journal reviewing, examiner roles, committee membership, professional bodies.]

REFEREES

[To be completed — Name, position, institution, email, phone. Provide 2–3 referees.]