Yogi Tri Prasetyo, Ph.D.



World's Top 2% Scientist 2023-2025 (Information & Communication Technologies) by Stanford University

ASSOCIATE PROFESSOR · YUAN ZE UNIVERSITY *Taoyuan, Taiwan*
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Research interest: Green Ergonomics & Sustainable Manufacturing, Macroergonomics & Job Design, Consumer Behavior, Human-Computer Interaction, Eye Movement Measures, Kansei Engineering and Strategic Product Design, Human Behavior in Disaster Risk Reduction, Accident Analysis & Prevention.

Teaching Courses at Yuan Ze University, Taiwan (February 2023 – Present):

- **Undergraduate Program: Green Ergonomics and Sustainable Manufacturing, Applied Statistics, Introduction to Industrial Engineering, Experimental Design, Special Topics in Engineering, Introduction to Sustainable Management (in Mandarin).**
- **Graduate Program (Master & Doctoral Degree Programs): Decision Analysis**

Teaching Courses at Chung Yuan Christian University, Taiwan (February 2025 – January 2026):

- **Doctoral Degree Program: Human Factors Engineering Testing and Evaluation**
- **Master Degree Program: Human Factors Engineering Testing and Evaluation**

Teaching Courses at Mapua University, Philippines (May 2019 – January 2023):

- **Undergraduate Program: Cognitive Ergonomics, Research Methodology.**
- **Master Degree Program: Analysis and Design of Workplace Environment, Research Methodology, Multivariate Analysis.**
- **Doctoral Degree Program: Psychological Foundations and Advanced Topics in Human Factors Engineering, Seminar and Academic Writing.**

Education

National Taiwan University of Science and Technology (NTUST) *Taipei, Taiwan*
DOCTOR OF PHILOSOPHY IN INDUSTRIAL MANAGEMENT – HUMAN FACTORS AND ERGONOMICS *2015 - 2019*
• GPA: 4.00/4.00; Received NTUST Full Scholarships

National Taiwan University of Science and Technology (NTUST) *Taipei, Taiwan*
MBA IN INDUSTRIAL MANAGEMENT – HUMAN FACTORS AND ERGONOMICS *2013 - 2015*
• Received NTUST Full Scholarships and **NTUST Outstanding Student Award 校園傑出青年** (Top 1%).

Waseda University *Tokyo, Japan*
INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING & INTENSIVE JAPANESE LANGUAGE PROGRAM *2011 - 2012*
• Received JASSO Scholarships.

Universitas Indonesia (UI) *Depok, Indonesia*
BACHELOR OF ENGINEERING IN INDUSTRIAL ENGINEERING *2009 – 2011, 2012-2013*
• Received **Faculty of Engineering Outstanding Student Award in Art.**

Publications

Year	Scopus-Indexed Journals		Conference Proceedings
	SCI/SSCI/ESCI	non-SCI/SSCI/ESCI	
2026	10	1	4
2025	14	1	7
2024	20	2	29
2023	33	4	21
2022	39	6	33
2021	14	8	34
2020	2	1	23
2019	3	1	5
2018	1	-	-
Total	**136**	**24**	**156**

Scopus H-Index: 34 (September 2026)
https://www.scopus.com/authid/detail.uri?authorId=57204827000
Google Scholar H-Index: 43 (September 2026)
Google Scholar i10-Index: 131 (September 2026)
https://scholar.google.com/citations?hl=en&user=EiRJD2oAAAAJ&view_op=list_works&sortby=pubdate
Journal Articles (SCIE/SSCI, Scopus, *corresponding author)

159 journals (136 SCIE/SSCI/ESCI; 24 non-SCIE/SSCI/ESCI) and 156 conference papers (*corresponding author)

(SCI/SSCI/ESCI)

2026

1. A. S. Alhawamdeh, I. Novendah, and **Y. T. Prasetyo***, "Public acceptability of nuclear power in Jordan: Extending the theory of planned behavior with Institutional Trust and risk-benefit perceptions," Nuclear Technology, pp. 1–26, Aug. 2026. **(SCIE. IF: 1.7. Nuclear Science & Technology 22/42. 48.8%)**
2. Z. J. Belmonte, **Y. T. Prasetyo***, R. P. Lukodono, E. M. Esberto, M. M. Cahigas, and R. Nadlifatin, "The role of perceived risk and benefits in shaping trust and public acceptance of nuclear energy: Evidence from higher-order PLS-sem and association rule mining," Progress in Nuclear Energy, vol. 199, p. 106503, Sep. 2026. **(SCIE. IF: 3.2. Nuclear Science & Technology 5/42. 11.9%)**
3. Ferdy, T. S. Kaihatu, T. F. Sutrisno, and **Y. T. Prasetyo***, "The green digital-market innovation: How circular supply chain resilience capabilities bridge technology investment and sustainable market performance," Cleaner and Responsible Consumption, vol. 22, p. 100457, Aug. 2026. **(ESCI. IF: 6.1. Environmental Studies 33/202. 16.37%)**
4. H. C. Aprilianto, W. G. Rohmah, D. Pranowo, Y.-T. Jou, **Y. T. Prasetyo**, and R. M. Silitonga, "Exploring critical success factors for sustainable production implementation in the agroindustry sector," Cogent Food & Agriculture, vol. 12, no. 1, Jun. 2026. **(SCIE. IF: 3.1. Agriculture, Multidisciplinary 29/95. 30.01%)**
5. A. S. Alhawamdeh, I. Novendah, and **Y. T. Prasetyo***, "Exploring socio-psychological drivers of nuclear power acceptance in Jordan: A machine learning approach," Nuclear Engineering and Technology, p. 104339, Apr. 2026. **(SCIE. IF: 2.6. Nuclear Science & Technology 7/41. 17.07%)**
6. A. B. Adiutomo, I. Novendah, and **Y. T. Prasetyo***, "Determinants of public acceptance of nuclear power plant reactivation in Taiwan's energy transition: A hybrid DEMATEL–ANP analysis," Nuclear Engineering and Technology, vol. 58, no. 7, p. 104288, Jul. 2026. **(SCIE. IF: 2.6. Nuclear Science & Technology 7/41. 17.07%)**
7. **Y. T. Prasetyo***, M. L. Antonio, N. M. Balatbat, R. S. Dewi, and M. M. Cahigas, "Matching performance of Icon Design Formats for health communication," Theoretical Issues in Ergonomics Science, pp. 1–15, Jan. 2026. **(ESCI. IF: 2.0. Ergonomics 17/25. 68%)**
8. **Y. T. Prasetyo***, L. S. Gunawan, Z. J. Belmonte, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Preference analysis on piano music school attributes among Young Pianists: A conjoint analysis approach," Acta Psychologica, vol. 262, p. 106070, Feb. 2026. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
9. F. P. Flores and **Y. T. Prasetyo***, "Machine Learning-based modelling of Health and safety app usability: Identifying key predictors in an engineering school setting," Jurnal Kejuruteraan, vol. 38, no. 4, pp. 1567–1575, Jul. 2026. **(ESCI. IF: 0.8. ENGINEERING, MULTIDISCIPLINARY 131/178. 73.60%)**
10. J. P. R. Roquid and **Y. T. Prasetyo***, "Integrating Injury Analytics and failure modes and effects analysis (FMEA) in Occupational Safety in the testing, inspection, and certification (TIC) sector," Jurnal Kejuruteraan, vol. 38, no. 4, pp. 1527–1555, Jul. 2026. **(ESCI. IF: 0.8. ENGINEERING, MULTIDISCIPLINARY 131/178. 73.60%)**

2025

11. F. Nurprihatin, Y. Yulistia, E. L. Jayadi, I. T. Widiwati, **Y. T. Prasetyo**, and H. Tannady, "Pure flow shop M-machine scheduling to minimize job lateness using dispatching rules," Management and Production Engineering Review, Dec. 2025. **(ESCI. IF: 0.9. Engineering, Industrial 63/69. 91.30%)**
12. B. P. Grahani, F. P. Flores, **Y. T. Prasetyo***, M. M. Cahigas, R. Nadlifatin, and Ma. J. J. Gumasing, "Assessing factors influencing flood preparedness among Jakarta residents: A Multilayer Perceptron artificial neural network

based on Protection Motivation Theory," Environmental Development, p. 101358, Sep. 2025. **(SCIE. IF: 5.3. Environmental Science 84/376. 22.34%)**

13. J. P. Roquid, **Y. T. Prasetyo***, Y. B. Kurata, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Bridging the green gap in laboratory practices: Examining the influence of organizational culture, Environmental Literacy, and sustainability communication on pro-environmental behaviors," Environmental Development, p. 101348, Sep. 2025. **(SCIE. IF: 5.3. Environmental Science 84/376. 22.34%)**
14. Z. J. Belmonte, **Y. T. Prasetyo***, E. M. Esberto, M. M. Cahigas, and R. Nadlifatin, "Why did generation Z choose engineering-related courses? A conjoint analysis approach," Acta Psychologica, vol. 260, p. 105691, Oct. 2025. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
15. **Y. T. Prasetyo**, Z. J. Belmonte*, E. M. Esberto, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Cognitive perceptions and behavioral loyalty in telecommunication services: Integrating SERVQUAL and CSI in the Philippine context," Acta Psychologica, vol. 259, p. 105298, Sep. 2025. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
16. W. Wei, **Y. T. Prasetyo***, O. P. Benito, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Influencing turnover intention among building information modeling (BIM) workers in China: A structural equation modeling approach," Acta Psychologica, vol. 257, p. 105121, Jul. 2025. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
17. **Y. T. Prasetyo***, Z. J. Belmonte, A. K. Ong, K. J. Rebosura, L. Ocampo, and R. Nadlifatin, "Determining ergonomics-based sustainability for public utility vehicles: Integrating higher-order structural equation modelling and random forest classifier," Ergonomics, pp. 1–24, May 2025. **(SSCI. IF: 2.4. Psychology 38/93. 40.86%)**
18. **Y. T. Prasetyo***, K. C. Susanto, K.-H. Chuang, R.-T. Yin, J.-W. Chen, Y.-X. Zhang, O. P. Benito, Z. J. Belmonte, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Factors influencing the perceived usability of line pay: An Extended Technology Acceptance Model Approach," Acta Psychologica, vol. 255, p. 104924, May 2025. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
19. **Y. T. Prasetyo***, A. B. Adiutomo, Y. B. Kurata, R. Widyaningrum, M. M. Cahigas, and A. K. Ong, "Determining factors affecting the perceived quality of fire safety signage icons: A structural equation modeling approach," Acta Psychologica, vol. 255, p. 104896, May 2025. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
20. W. Wei, Y. T. Prasetyo*, Z. J. Belmonte, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Applying the technology acceptance model – theory of planned behavior (TAM-TPB) model to study the acceptance of building information modeling (BIM) in green building in China," Acta Psychologica, vol. 254, p. 104790, Apr. 2025. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
21. Z. J. Belmonte, **Y. T. Prasetyo***, P. E. Victoria, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Behavioral intention to use electronic cigarettes in the Philippines: The role of social influence, knowledge, price and health impact," PLOS ONE, vol. 20, no. 2, Feb. 2025. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
22. O. P. Benito, **Y. T. Prasetyo***, J.-H. Liao, Z. J. Belmonte, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Investigating factors influencing the donation intentions and volunteering intentions for the 2023 Turkey earthquake victims," Acta Psychologica, vol. 252, p. 104671, Feb. 2025. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
23. O. P. Benito, N. I. Ahmed, **Y. T. Prasetyo***, M. M. Cahigas, and R. Nadlifatin, "Factors affecting the drought preparedness in Somaliland," Sustainability, vol. 17, no. 2, p. 668, Jan. 2025. **(SSCI. IF: 3.3. Environmental Studies 80/193. 41.45%)**
24. J. S. Dharmadji, Y. T. Prasetyo, A. Daniel, H. M. Lin, M. M. Cahigas, R. Nadlifatin, and M. J. Gumasing, "Willingness to eat seafood among Taiwanese after the 2023 Fukushima Radioactive Water Release: An extended theory of planned behavior approach," *Nuclear Engineering and Technology*, p. 103282, Oct. 2024. **(SCIE. IF: 2.6. Nuclear Science & Technology 7/41. 17.07%)**

2024

25. R. Nadlifatin, B. B. Hendralaksono, S. F. Persada, E. A. Setiyati, Y. Tri Prasetyo, A. K. Ong, and M. N. Young, "Determinant of online purchase intention and corporate website Contextual Relevance," *Cogent Business & Management*, vol. 12, no. 1, Dec. 2024. **ESCI. IF: 3. Business 136/304. 44.74%)**
26. A. V. Belo, **Y. T. Prasetyo***, R. A. Roque, O. P. Benito, M. M. Cahigas, Ma. J. Gumasing, R. D. Borres, and R. Nadlifatin, "Investigating students' intention to utilize an e-learning platform in an aviation institution during the COVID-19 pandemic," *PLOS ONE*, vol. 19, no. 12, Dec. 2024. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**

27. I. Novendah, **Y. T. Prasetyo***, Y.-A. Chen, G. S. Ho, J. Y. Pan, L. Y. Chen, M. M. Cahigas, and R. Nadlifatin, "Exploring House purchase intention considering Typhoon and earthquake disaster experiences in Taoyuan, Taiwan: An extended theory of planned behaviour approach," *International Journal of Disaster Risk Reduction*, vol. 115, p. 105068, Dec. 2024. **(SCIE. IF: 4.5. Geoscience, Multidisciplinary. 38/258. 14.73%)**
28. F. P. Flores and **Y. T. Prasetyo***, "Determining factors affecting the upselling acceptance of business class seats among Filipino passengers: An extended theory of planned behavior approach," *Journal of Air Transport Management*, vol. 121, p. 102686, Nov. 2024. **(SSCI. IF: 3.9. Transportation 18/58. 31.03%)**
29. **Y. T. Prasetyo***, Y. B. Kurata, K. Zahra, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Factors affecting compliance with vehicular environmental laws and pro-environmental behavior in Lahore, Pakistan," Acta Psychologica, vol. 251, p. 104614, Nov. 2024. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
30. Z.J. Belmonte, **Y.T. Prasetyo***, M.M. Cahigas, R. Nadlifatin, Ma.J. Gumasing, Factors influencing the intention to use e-wallet among generation Z and millennials in the Philippines: An extended technology acceptance model (TAM) approach, Acta Psychologica. 250 (2024) 104526. doi:10.1016/j.actpsy.2024.104526. **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
31. W. D. Perez, **Y. T. Prasetyo***, M. M. Cahigas, R. Nadlifatin, and Ma. J. Gumasing, "Determining the factors affecting implementation of health and safety app towards improvement of Safety Culture: A Study in School of Engineering Building," *Acta Psychologica*, vol. 250, p. 104527, Oct. 2024. doi:10.1016/j.actpsy.2024.104527 **(SSCI. IF: 2.7. Psychology, experimental 28/102. 23.33%)**
32. **Y. T. Prasetyo***, M. M. Cahigas, A. P. Tan, L. E. Kurniawan, S. N. Prawiro, R. Nadlifatin, Ma. J. Gumasing, and I. D. Ayuwati, "The Indonesian consumer perspective on the massage industry: A conjoint analysis approach," *PLOS ONE*, vol. 19, no. 8, Aug. 2024. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
33. A. K. Ong, **Y. T. Prasetyo***, R. P. Tapiceria, R. Nadlifatin, and Ma. J. Gumasing, "Factors affecting the intention to use COVID-19 contact tracing application 'Staysafe PH': Integrating Protection Motivation Theory, UTAUT2, and system usability theory," *PLOS ONE*, vol. 19, no. 8, Aug. 2024. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
34. F. P. Flores, **Y. T. Prasetyo***, B. P. Grahani, R. P. Lukodono, O. P. Benito, A. A. Redi, M. M. Cahigas, R. Nadlifatin, and M. J. Gumasing, "Determining factors influencing flood preparedness among citizens in Jakarta: A protection motivation theory approach," *Environmental Development*, vol. 51, p. 101042, Sep. 2024. **(SCIE. IF: 5.3. Environmental Science 84/376. 22.34%)**
35. K. C. Susanto, **Y. T. Prasetyo***, O. P. Benito, J.-H. Liao, M. M. Cahigas, R. Nadlifatin, and M. J. Gumasing, "Investigating factors influencing the intention to revisit Mount Semeru during post 2022 volcanic eruption: Integration theory of planned behavior and destination image theory," International Journal of Disaster Risk Reduction, vol. 107, p. 104470, Jun. 2024. **(SCIE. IF: 4.5. Geoscience, Multidisciplinary. 38/258. 14.73%)**
36. C. J. Roldan, **Y. T. Prasetyo***, A. K. Ong, I. D. Ayuwati, S. F. Persada, and R. Nadlifatin, "Copywriters' preference evaluation on online copywriting course attributes during the covid-19 pandemic," *PLOS ONE*, vol. 19, no. 5, May 2024. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
37. A. A. Abella, Y. T. Prasetyo*, M. M. Cahigas, R. B. Dela Cruz, and R. Nadlifatin, "The usability analysis of software loading tools in a commercial airline," Work, vol. 79, no. 3, pp. 1159–1173, Nov. 2024. **(SCI. IF: 1.7)**
38. **Y. T. Prasetyo***, M. M. Cahigas, E. Patrick, M. Rodney, R. Nadlifatin, and S. F. Persada, "Indonesian martial artists' preferences in Martial Arts schools: Sustaining Business Competitiveness through conjoint analysis," PLOS ONE, vol. 19, no. 4, Apr. 2024. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
39. G. T. Belay*, B. H. Woldegiworgis, and **Y. T. Prasetyo**, "Structural equation modeling approach for the analysis of ergonomics risk factors and occupational injuries among building construction workers in Bahir Dar City-ethiopia," *Heliyon*, May 2024. **(SCIE. IF: 3.4. Multidisciplinary Sciences 28/134. 20.90%)**
40. R. A. Rebualos, **Y. T. Prasetyo***, M. M. Cahigas, R. Nadlifatin, Ma. J. Gumasing, and I. D. Ayuwati, "Investigating factors affecting the purchase intention in petroleum stations implementing sustainable practices: A pro-environmental behavior approach with a consideration of sustainable initiatives knowledge," *Sustainability*, vol. 16, no. 10, p. 4121, May 2024. **(SSCI. IF: 3.3. Environmental Studies 80/193. 41.45%)**
41. C. S. Saflor*, K. A. Mariñas, P. Alvarado, A. Baleña, M. S. Tanglao, **Y. T. Prasetyo**, J. Tangsoc, and E. Bernardo, "Towards sustainable internet service provision: Analyzing consumer preferences through a hybrid TOPSIS–SEM–neural network framework," *Sustainability*, vol. 16, no. 11, p. 4767, Jun. 2024. **((SSCI. IF: 3.3. Environmental Studies 80/193. 41.45%)**
42. E. D. Reynoso, **Y. T. Prasetyo***, S. F. Persada, K. A. Mariñas, O. P. Benito, R. Nadlifatin, Ma. J. Gumasing, and I. D. Ayuwati, "The effect of the COVID-19 pandemic on turnover intentions among field technicians: A case study in Philippines," *Sustainability*, vol. 16, no. 15, p. 6517, Jul. 2024. **(SSCI. IF: 3.3. Environmental Studies 80/193. 41.45%)**

43. J.-H. Liao, **Y. T. Prasetyo***, O. P. Benito, K. C. Susanto, M. M. L. Cahigas, R. Nadlifatin, and Ma. J. J. Gumasing, "The perceived usability of vehicle sharing mobile application: An integration of UTAUT, pro-environmental behavior, and system usability scale," *Case Studies on Transport Policy*, p. 101276, Aug. 2024. **(ESCI. IF: 2.4. Transportation. 36/58. 62.07%)**
44. S. F. Persada, R. Nadlifatin*, A. C. Wibowo, E. A. Setiyati, P. F. Belgiawan, **Y. Tri Prasetyo**, A. K. Ong, and M. N. Young, "Indonesia consumer preferences on attributes of Marketplace Platform: A conjoint analysis approach," *Cogent Business & Management*, vol. 11, no. 1, Jun. 2024. **(ESCI. IF: 3. Business 136/304. 44.74%)**

2023

45. W. D. Perez, **Y. T. Prasetyo***, M. M. Cahigas, S. F. Persada, M. N. Young, and R. Nadlifatin, "Factors influencing non-fungible tokens (NFT) game engagement during the covid-19 pandemic: The theory of planned behavior (TPB) and hedonic motivation system adoption model (HMSAM) approach," *Heliyon*, 2023. **(SCIE. IF: 3.4. Multidisciplinary Sciences 28/134. 20.90%)**
46. A. K. Ong, **Y. T. Prasetyo***, V. C. Dangaran, M. A. Gudez, J. I. Juanier, G. A. Paulite, R. X. Yambot, S. F. Persada, R. Nadlifatin, and I. D. Ayuwati, "Determination of loyalty among high school students to retain in the same university for Higher Education: An integration of self-determination theory and extended theory of planned behavior," *PLOS ONE*, vol. 18, no. 11, 2023. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
47. N. Nugraha, **Y. T. Prasetyo**, H. Sugiharti, I. Lhutfi, A. Widyaningsih, A. Triantoro, A. K. Ong, M. N. Young, S. F. Persada, R. A. Kristamtomo Putra*, and R. Nadlifatin, "Quality assurance in higher educational institutions: Empirical evidence in Indonesia," *SAGE Open*, vol. 13, no. 4, 2023. **(SCI. IF: 2.0)**
48. M. M. Cahigas, **Y. T. Prasetyo***, R. Nadlifatin, S. F. Persada, and Ma. J. Gumasing, "Determinants of continuous visiting behavior to Palawan, Philippines: Integrating uncertainty reduction theory and expectation confirmation theory," *PLOS ONE*, vol. 18, no. 10, 2023. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
49. M. J. Gumasing, A. K. Ong*, M. A. Sy, **Y. T. Prasetyo**, and S. F. Persada, "A machine learning ensemble approach to predicting factors affecting the intention and usage behavior towards online groceries applications in the Philippines," *Heliyon*, vol. 9, no. 10, 2023. **(SCIE. IF: 3.4. Multidisciplinary Sciences 28/134. 20.90%)**
50. A. L. Guevarra, **Y. T. Prasetyo***, A. K. Ong, and K. A. Mariñas, "Employees' preference analysis on Lean Six Sigma Program coaching attributes using a conjoint analysis approach," *Heliyon*, vol. 9, no. 7, 2023. **(SCIE. IF: 3.4. Multidisciplinary Sciences 28/134. 20.90%)**
51. M. M. Navarro, M. N. Young, **Y. T. Prasetyo***, and J. V. Taylar, "Stock market optimization amidst the COVID-19 pandemic: Technical Analysis, K-means algorithm, and mean-variance model (TAKMV) approach," *Heliyon*, vol. 9, no. 7, 2023. **(SCIE. IF: 3.4. Multidisciplinary Sciences 28/134. 20.90%)**
52. A. K. Ong, **Y. T. Prasetyo***, F. C. Lagura, R. N. Ramos, K. M. Sigua, J. A. Villas, R. Nadlifatin, M. N. Young, and J. F. Diaz, "Determining tricycle service quality and satisfaction in the Philippine Urban Areas: A servqual approach," *Cities*, vol. 137, p. 104339, 2023. **(SSCI. IF: 6.6. Urban Studies 5/76. 6.58%)**
53. C. J. Cayaban, **Y. T. Prasetyo***, S. F. Persada, R. D. Borres, Ma. J. Gumasing, and R. Nadlifatin, "The influence of social media and sustainability advocacy on the purchase intention of Filipino consumers in fast fashion," *Sustainability*, vol. 15, no. 11, p. 8502, 2023. **(SSCI. IF: 3.3. Environmental Studies 80/191. 41.88%)**
54. M. M. Cahigas*, A. K. Ong, and **Y. T. Prasetyo**, "Super Typhoon Rai's impacts on Siargao tourism: Deciphering tourists' revisit intentions through machine-learning algorithms," *Sustainability*, vol. 15, no. 11, p. 8463, 2023. **(SSCI. IF: 3.3. Environmental Studies 80/191. 41.88%)**
55. A. K. Ong, **Y. T. Prasetyo***, A. R. Manguray, E. J. Moral, A. L. Maun, J. G. Diaz, C. N. Monteiro, V. C. Dangaran, S. F. Persada, R. Nadlifatin, and I. D. Ayuwati, "Evaluating factors influencing customers' intention to eat Korean cuisine 'Samgyeopsal' in the Philippines: A structural equation model forest classifier approach," *PLOS ONE*, vol. 18, no. 5, 2023. **(SCIE. IF: 2.6. Multidisciplinary Sciences 44/135. 32.59%)**
56. Z. J. Belmonte, **Y. T. Prasetyo***, O. P. Benito, J.-H. Liao, K. C. Susanto, M. N. Young, S. F. Persada, and R. Nadlifatin, "The acceptance of nuclear energy as an alternative source of energy among generation Z in the Philippines: An extended theory of planned behavior approach," *Nuclear Engineering and Technology*, vol. 55, no. 8, pp. 3054–3070, 2023. **(SCIE. IF: 2.6. Nuclear Science & Technology 7/41. 17.07%)**
57. M. M. Cahigas*, F. E. Zulvia, A. K. Ong, and **Y. T. Prasetyo**, "A comprehensive analysis of clustering public utility bus passenger's behavior during the COVID-19 pandemic: Utilization of Machine Learning with metaheuristic algorithm," *Sustainability*, vol. 15, no. 9, p. 7410, 2023. **(SSCI. IF: 3.3. Environmental Studies 80/191. 41.88%)**

58. **Y. T. Prasetyo***, J. P. Perez, Ma. J. Gumasing, S. F. Persada, and R. Nadlifatin, "The effects of communication, empathy, encouragement, growth, and rewards on employee performance: A Structural Equation Modeling Approach," *Work*, pp. 1–10, 2023. **(SSCI. IF: 1.7. Public, Environmental & Occupational Health 263/408. 64.46%)**
59. R. M. Gaspar, **Y. T. Prasetyo***, K. A. Mariñas, S. F. Persada, and R. Nadlifatin, "Exploring consumers' intention to use bikes and e-scooters during the COVID-19 pandemic in the Philippines: An extended theory of planned behavior approach with a consideration of Pro-Environmental identity," *Sustainability*, vol. 15, no. 6, p. 5193, 2023. **(SSCI. IF: 3.3. Environmental Studies 80/191. 41.88%)**
60. J. D. German, A. K. Ong*, A. A. Redi, **Y. T. Prasetyo**, K. P. Robas, R. Nadlifatin, and T. Chuenyindee, "Classification modeling of intention to donate for victims of Typhoon odette using Deep Learning Neural Network," *Environmental Development*, p. 100823, 2023. **(SCIE. IF: 5.3. Environmental Science 84/376. 22.34%)**
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134. J. P. Ramos and **Y. T. Prasetyo***, "The Impact of Work-Home Arrangement on the Productivity of Employees during COVID-19 Pandemic in the Philippines: A Structural Equation Modelling Approach," *2020 The 6th International Conference on Industrial and Business Engineering (ICIBE)*, 2020.
135. J. R. O. R. Balinado and **Y. T. Prasetyo***, "The Impact of 5S Lean Tool to Service Operation: A Case Study in Toyota Dasmarinas-Cavite Service Operations," *2020 The 6th International Conference on Industrial and Business Engineering (ICIBE)*, 2020.
136. J. V. B. Jr and **Y. T. Prasetyo***, "The Impact of Material Management Plan on Delivering Offshore Construction Projects in Singapore," *2020 The 6th International Conference on Industrial and Business Engineering (ICIBE)*, 2020.
137. D. D. Salazar and **Y. T. Prasetyo***, "Analysis of Worker's Posture in Wafer Manufacturing Industry," *2020 The 6th International Conference on Industrial and Business Engineering (ICIBE)*, 2020.
138. R. B. Torres and **Y. T. Prasetyo***, "Evaluation of ergonomic working conditions among manual leather cutter in the Shoe Industry," *2020 The 6th International Conference on Industrial and Business Engineering (ICIBE)*, 2020.
139. **Y. T. Prasetyo*** and D. G. D. D. Fuente, "Determinant Factors Affecting Customer Satisfaction among Filipinos in Lazada Online Shopping during COVID-19 Pandemic: A Structural Equation Modeling Approach," *2020 7th International Conference on Frontiers of Industrial Engineering (ICFIE)*, 2020. (**Best Track Paper Award)**
140. **Y. T. Prasetyo*** and D. D. Salazar, "Polishing Material Effectiveness for Vertical Crown Tip by Lean Six Sigma DMAIC Approach," *2020 7th International Conference on Frontiers of Industrial Engineering (ICFIE)*, 2020.
141. **Y. T. Prasetyo*** and K. K. M. Rosita, "Equipment Reliability Optimization using Predictive Reliability Centered Maintenance: A Case-Study Illustration and Comprehensive Literature Review," *2020 7th International Conference on Frontiers of Industrial Engineering (ICFIE)*, 2020.
142. **Y. T. Prasetyo***, "Factors Affecting Gross Manual Dexterity: A Structural Equation Modeling Approach," *2020 IEEE 7th International Conference on Industrial Engineering and Applications (ICIEA)*, 2020. (**Best Track Paper Award)**
143. **Y. T. Prasetyo*** and F. C. Veroya, "An Application of Overall Equipment Effectiveness (OEE) for Minimizing the Bottleneck Process in Semiconductor Industry," *2020 IEEE 7th International Conference on Industrial Engineering and Applications (ICIEA)*, 2020.
144. **Y. T. Prasetyo***, "Standardizing Human Factors and Ergonomics Education for the Undergraduate Programs in Industrial Engineering: A Comparative Analysis between Indonesia, Philippines, and Taiwan," *2020 IEEE 7th International Conference on Industrial Engineering and Applications (ICIEA)*, 2020.
145. **Y. T. Prasetyo*** and A. T. Marquez, "Determinants of Customer Satisfaction with Metals Industry Research and Development Center (MIRDC) Analysis and Testing Services: A Structural Equation Modeling Approach," *2020 The 4th International Conference on Business and Information Management*, 2020.
146. **Y. T. Prasetyo***, "Factors Affecting Fine Dexterity," *Proceedings of the 2020 2nd International Conference on Management Science and Industrial Engineering*, 2020.

147. **Y. T. Prasetyo***, "Assessing Indonesian Military Camouflage using Camouflage Similarity Index (CSI) Algorithm," *Proceedings of the 2020 2nd International Conference on Management Science and Industrial Engineering*, 2020.
148. T. Chuenyindee and **Y. T. Prasetyo***, "Roller Chains Quality Enhancement using Six Sigma and Failure Mode and Effects Analysis (FMEA)," *Proceedings of the 2020 2nd International Conference on Management Science and Industrial Engineering*, 2020.
149. **Y. T. Prasetyo*,** "Utilization of Color Similarity Index for Evaluating Existing Military Camouflage Designs," *Proceedings of the International Conference on Industrial and Operations Management*, 2020.
150. **Y. T. Prasetyo*,** "A Comparative Assessment of Human Factors and Ergonomics Courses for Industrial Engineering in the Philippines," *Proceedings of the International Conference on Industrial and Operations Management*, 2020.
151. **Y. T. Prasetyo*,** "Occupational Fatality, Injury, Illness, and Work-related Abuses of Indonesian Immigrant Workers in Taiwan 2013-2014," *Proceedings of the International Conference on Industrial and Operations Management*, 2020.

2019

152. **Y. T. Prasetyo***, R. Widyaningrum, and C. J. Lin, "Eye Gaze Accuracy in the Projection-based Stereoscopic Display as a Function of Number of Fixation, Eye Movement Time, and Parallax," *2019 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)*, 2019.
153. **Y. T. Prasetyo***, "Evaluating Existing China Military Camouflage Designs using Camouflage Similarity Index (CSI)," *Proceedings of the 2019 5th International Conference on Industrial and Business Engineering - ICIBE 2019*, 2019.
154. M. E. S. Torres, **Y. T. Prasetyo***, R. A. C. Robielos, C. V. Y. Domingo, and M. C. Morada, "The Effect of Nutrition Labelling on Purchasing Decisions," *Proceedings of the 2019 5th International Conference on Industrial and Business Engineering - ICIBE 2019*, 2019.
155. J. E. F. Martinez, **Y. T. Prasetyo***, R. A. C. Robielos, M. M. Panopio, A. A. C. Urlanda, and K. A. C. Topacio-Manalaysay, "The Usability of Metropolitan Manila Development Authority (MMDA) Mobile Traffic Navigator as Perceived by Users in Quezon City and Mandaluyong City, Philippines," *Proceedings of the 2019 5th International Conference on Industrial and Business Engineering - ICIBE 2019*, 2019.
156. **Y. T. Prasetyo***, "Consumer Preference Analysis on Mobile Service Providers: A Case Study of Foreign Students in Taiwan," *2019 IEEE 6th International Conference on Engineering Technologies and Applied Sciences (ICETAS)*, 2019.

Working & Internship Experience

[1] Associate Professor (August 2025 – now)
International Bachelor Program in Engineering and Jointly Appointed Associate Professor of Industrial Engineering and Management, Yuan Ze University, Taiwan.

[2] Assistant Professor (February 2023 – July 2025)
International Bachelor Program in Engineering and Jointly Appointed Assistant Professor of Industrial Engineering and Management, Yuan Ze University, Taiwan.

[3] Associate Professor (May 2019 – January 2023)
School of Industrial Engineering and Engineering Management – Human Factors & Ergonomics, Mapúa University, Philippines.

[4] Research Scholar (December 2019 – January 2020)
NTUST Industrial Management Short Term Postdoctoral Program.

[5] Omlet Arcade (Taipei, Taiwan)
User Engagement & Translator Mandarin-Indonesia 2018-2019.

[6] Lifeguard (Taipei, Taiwan)
NTUST Swimming Pool 2016-2019.

[7] Teaching Assistant (Taipei, Taiwan)
Managerial Psychology and Human Factors Design (3 credits). NTUST Executive MBA Class of 2016.

[8] Teaching Assistant (Taipei, Taiwan)
NTUST Foreign Language Learning Studio (Language Center) 2014-2015.

[9] OKWave, Inc. (Tokyo, Japan)
User Engagement & Translator Japanese-Indonesia 2011-2012.

技術報告 (NSTC Support for Attending International Conferences)

1. 補助國內專家學者出席國際學術會議. 2026 13th International Conference on Industrial Engineering and Applications （ICIEA 2026）. 編號 115-2914-I-155 -004 -A1
2. 補助國內專家學者出席國際學術會議. 2024 IEEE International Conference on Industrial Engineering and Engineering Management. 編號 113-2914-I-155-008-A1
3. 補助國內專家學者出席國際學術會議. 2023 IEEE International Conference on Industrial Engineering and Engineering Management. 編號 112-2914-I-155-012-A1

指導大專生參與國科會專題研究計畫 (NSTC Undergraduate Research Project)

- Omar Paolo Benito. Factors Affecting the Actual Use and Loyalty of Young Adults towards Acquiring Membership Cards. 113-2813-C-155-044-E. 2024/08/01-2025/02/28.

Advisees Alumni at Yuan Ze University, Taiwan:

- Ph.D.

School Year	Name	Dissertation Title	Current Job
2nd Year	Fernan Patrick Flores	Topic to be defined	Full-time Ph.D. student
1st Year	Ierenne Novendah Wijaya	Topic to be defined	Full-time Ph.D. student

- Master's Degree

Graduated Year	Name	Thesis Title	Current Job
January 2024	Fernan Patrick Flores	Determining factors affecting the upselling acceptance of business class seats among Filipino passengers	Full-time Ph.D. student
June 2024	Nagib Ismail Ahmed	Determining Factors Affecting the Intention to Utilize Cotton Bags in Somaliland: A Pro-Environmental Behavior Approach	Somaliland Shipping Company
January 2025	Rachkanok Sukhavalli	Factors Affecting Passenger Satisfaction towards Don Mueang Airport: An Integration of SERVQUAL and Expectation-Confirmation Theory	Supply chain engineer
January 2025	Krisna Chandra Susanto	Exploring the Factors Influencing the Intention to Revisit Mount Semeru After the 2022 Volcanic Eruption using Machine Learning Techniques	Full-time quality engineer
June 2025	Ahmad Sattam Eid AlHawamdeh	Determining Factors Affecting the Acceptance of Establishing Nuclear Power Plant in Jordan: An Integration of Protection Motivation Theory	Supply chain engineer

		and Theory of Planned Behavior	
June 2025	Ierenne Novendah Wijaya	Exploring the Perceived Usability of Disaster Risk Reduction Mobile Application "BMKG" in Indonesia	Full-time Ph.D. student

- Undergraduate

Graduated Year	Name	Thesis Title	Current Job
July 2025	Jui Hao Liao	Factors Affecting the Actual Use and Loyalty of Young Adults towards Acquiring Membership Cards	Full-time MS degree student
July 2025	Omar Paolo Benito	Factors Affecting the Actual Use and Loyalty of Young Adults towards Acquiring Membership Cards	Full-time MS degree student

Advisees Alumni at Mapua University, Philippines (all graduated):

- **Bachelor of Science in Industrial Engineering: 9**
- **Bachelor of Science in Service Engineering Management: 3**
- **Master of Science in Industrial Engineering: 3**
- **Master of Science in Engineering Management: 12**
- **Master of Engineering in Industrial Engineering (Fully Online Program): 5**
- **Doctor of Philosophy in Industrial Engineering: 13**

Language Ability

English
TOEFL-iBT 110/120, IELTS 8.5/9, TOEFL-PBT 643/677, TOEIC 990/990.
Mandarin
Test of Chinese as a Foreign Language – Advanced (C1)
Japanese
Japanese Language Proficiency Test (JLPT) – N1 (Advanced)
Indonesian
Mother Tongue
Tagalog
Intermediate
Thai
Intermediate

SCI/SSCI Journal Contributions:

Applied Ergonomics – Invited as a reviewer
Applied Sciences (mdpi) Invited as a reviewer
Applied Psychology: Health and Well-Being – Invited as a reviewer
Agronomy (mdpi) – Invited as a reviewer
BMC Public Health – Invited as a reviewer
Color Research and Application – Invited as a reviewer
Defense Technology – Invited as a reviewer
Ergonomics – Invited as a reviewer
Frontiers in Public Health – Invited as a reviewer
Healthcare (mdpi) – Invited as a reviewer
Health Education & Behavior – Invited as a reviewer
International Journal of Disaster Risk Reduction – Invited as a reviewer

International Journal of Environmental Research and Public Health – Invited as a reviewer
International Journal of Human-Computer Interaction – Invited as a reviewer
International Journal of Industrial Ergonomics – Invited as a reviewer
International Journal of Occupational Safety and Ergonomics – Invited as a reviewer
Journal of Industrial and Production Engineering – Invited as reviewer
Journal of Cleaner Production – Invited as reviewer
Natural Hazards – Invited as a reviewer
Nuclear Engineering and Technology – Invited as a reviewer
Plos One – Invited as a reviewer
Studies in Educational Evaluation – Invited as a reviewer
Sustainability (mdpi) – Invited as a reviewer
Science of the Total Environment – Invited as a reviewer
Transportation Research Part D – Invited as a reviewer
Work: A Journal of Prevention, Assessment & Rehabilitation – Invited as a reviewer

Conference Contributions:

Invited Speaker

- 2025 The Human Factors and Ergonomics in Manufacturing Conference (HFEMC 2025) – Plenary Speaker

General Co-Chair

- The 1st International Conference on Business and Management of Technology (IConBMT 2019) – Surabaya, Indonesia.

Session Chair

- 2023, 5th Human Factors and Ergonomics Malaysia Conference (HFEM) Biennial Conference on Human Factors and Ergonomics – Langkawi, Malaysia.
- 2023 6th International Conference on Management Science and Industrial Engineering (MSIE) – Chiang Mai, Thailand.
- 2022 8th International Conference on Industrial and Business Engineering (ICIBE) – Virtual Conference.
- 2022 4th International Conference on Management Science and Industrial Engineering (MSIE) – Virtual Conference.
- 2022 IEEE 9th International Conference on Industrial Engineering and Applications (ICIEA) – Virtual Conference.
- 2021 7th International Conference on Industrial and Business Engineering (ICIBE) – Virtual Conference.
- 2021 IEEE 8th International Conference on Industrial Engineering and Applications (ICIEA) – Virtual Conference.
- 2021 3rd International Conference on Management Science and Industrial Engineering (MSIE) – Virtual Conference.
- 2020 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) – Virtual Conference.
- 2020 ACED SEANES – Virtual Conference.
- 2020 IEEE 7th International Conference on Frontiers of Industrial Engineering (ICFIE) – Virtual Conference.
- 2020 6th International Conference on Industrial and Business Engineering (ICIBE) – Virtual Conference.
- 2020 IEEE 7th International Conference on Industrial Engineering and Applications (ICIEA 2020) – Bangkok, Thailand (Virtual Conference).
- 2019 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) – Macau, China.
- 2019 The 5th International Conference on Industrial and Business Engineering (ICIBE 2019) – Hong Kong, China.
- 2019 4th International Conference on Ergonomics (ICE2019) and 2nd International Conference on Industrial Engineering (ICIE2019) – Terengganu, Malaysia.

Reviewer

- 2023 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) – Singapore.

- 2022 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) – Kuala Lumpur, Malaysia.
- 2022 8th International Conference on Industrial and Business Engineering (ICIBE) – Virtual Conference.
- 2022 IEEE 9th International Conference on Industrial Engineering and Applications (ICIEA) – Virtual Conference.
- 2022 4th International Conference on Management Science and Industrial Engineering (MSIE) – Virtual Conference.
- 2021 7th International Conference on Industrial and Business Engineering (ICIBE) – Virtual Conference.
- 2021 IEEE 8th International Conference on Industrial Engineering and Applications (ICIEA) – Virtual Conference.
- 2021 3rd International Conference on Management Science and Industrial Engineering (MSIE) – Virtual Conference.
- 2020 6th International Conference on Industrial and Business Engineering (ICIBE) – Virtual Conference.
- 2020 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) – Virtual Conference.
- 2019 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM) – Macau, China.
- The 5th International Conference on Industrial and Business Engineering (ICIBE 2019) – Hong Kong, China.

Past Recent Achievements

- **World's Top 2% Scientists 2023 & 2024 & 2025 (Information & Communication Technologies) – Stanford University**
- Outstanding Research Award 2025 – School of Engineering, Yuan Ze University
- Young Scholar Research Award 2024 – Yuan Ze University
- Outstanding Research Award 2024 – School of Engineering, Yuan Ze University
- Outstanding Research Award 2023 – School of Engineering, Yuan Ze University
- Best Presentation Award – The 7th International Conference on Education and Multimedia Technology (ICEMT 2023), in 2023.
- Best Paper (1st Runner Up) Award – 5th Human Factors and Ergonomics Malaysia Conference (HFEM) Biennial Conference on Human Factors and Ergonomics, in 2023.
- The Cardinal Excellence Award 2022 – Research Excellent Award (Scopus H-Index 16), in 2022.
- The Cardinal Excellence Award 2021 – Research Excellent Award (Scopus H-Index 9), in 2021.
- Best paper presentation award in 2020 IEEE 8th International Conference on Frontiers of Industrial Engineering (ICFIE), in 2021.
- Best paper presentation award in 2020 IEEE 7th International Conference on Frontiers of Industrial Engineering (ICFIE), in 2020.
- Best paper presentation award in 2020 6th International Conference on Industrial and Business Engineering (ICIBE), in 2020.
- Best paper presentation award in 7th IEEE International Conference on Industrial Engineering and Applications (ICIEA), in 2020.
- Best paper presentation award in The Joint Conference of 2nd International Conference on Industrial and System Engineering (IConISE) & 7th Annual Conference on Industrial and System Engineering (ACISE), in 2020.
- The Cardinal Excellence Award 2020 – Research Excellent Award (H-Index 4), in 2020
- Best paper presentation award in 1st International Conference on Engineering and Management in Industrial System (ICOEMIS), in 2019.
- Selected as the Indonesian Representative in Asian Council of Ergonomics & Design (ACED) Annual Meeting, in 2019 (Taipei, Taiwan)

Biography

Dr. Yogi Tri Prasetyo is recognized among **The World's Top 2% of Scientists in 2023 & 2024 & 2025** in the field of Information & Communication Technologies. He is currently

an **Associate Professor** in the International Bachelor Program in Engineering and a **Jointly Appointed Associate Professor** in the Department of Industrial Engineering and Management at Yuan Ze University, Taiwan. Prior to this, he served as an **Associate Professor** (V) at the School of Industrial Engineering and Engineering Management at Mapúa University in the Philippines.

Dr. Prasetyo earned his Bachelor of Engineering in Industrial Engineering from Universitas Indonesia in 2013, achieving a GPA higher than 3.50/4.00. He also spent a year as an exchange student at Waseda University in Japan during his junior year. He completed his MBA in 2015 and his Ph.D. in 2019, both from the Department of Industrial Management at the National Taiwan University of Science and Technology (NTUST), specializing in human factors and ergonomics. He graduated with **a perfect GPA of 4.00/4.00** and was honored with the **NTUST Outstanding Youth award**.

His research interests are diverse, encompassing human-computer interaction with a focus on eye movement, color optimization for military camouflage, strategic product design, usability analysis, and accident analysis and prevention. Dr. Prasetyo has published over **300 Scopus-indexed papers**, with a **Scopus H-index of 34**. His work appears in numerous SCI/SSCI-indexed journals (**More than 130 SCI/SSCI**), including the International Journal of Infectious Diseases, International Journal of Disaster Risk Reduction, Journal of Cleaner Production, Ergonomics, Utilities Policy, Journal of Air Transport Management, Research in Transportation Business & Management, Nuclear Engineering and Technology, Annals of Nuclear Energy, International Journal of Occupational Safety and Ergonomics, Ocean & Coastal Management, International Journal of Industrial Ergonomics, and many more.

Dr. Prasetyo has actively participated in international conferences as a co-chair, session chair, and committee member, receiving multiple best presentation awards. Beyond his academic achievements, he enjoys playing the **flute**, judo, swimming, SCUBA diving, freediving, Muay Thai, and hiking. **He holds black belts** in judo and taekwondo, is an internationally certified lifeguard, a **certified advanced SCUBA diver**, and an internationally **certified freediver**. He is fluent in Indonesian, English (IELTS 8.5), Chinese (TOCFL C1), Japanese (JLPT N1), and is currently learning Filipino and Thai.