SAFARUDIN GAZALI HERAWAN

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EDUCATION

Bachelor, 1996 Mechanical Engineering, Universitas Indonesia
Master, 2001 Mechanical Engineering, Universiti Teknologi Malaysia
PhD, 2017 Mechanical Engineering, International Islamic University Malaysia

ACADEMIC EXPERIENCES

- 2000 - 2002 Lecturer, Universitas Dharma Persada
- 2002 - 2018 Senior Lecturer, Universiti Teknikal Malaysia Melaka
- 2018 - NOW Senior Lecturer, Bina Nusantara University

NON ACADEMIC EXPERIENCES

1996 - 1998 Engineer PT Fajar Mas Murni

CERTICATION

Professional Lecturer Certificate

PROFESSION

2010 International Association of Engineers (IAENG)

COMMUNITY DEVELOPMENT

- 2020 Training for SME about Layout Strategy
- 2020 Training for SME about Layout Apps for SME
- 2021 Training for SME about Layout Apps for SME
- 2022 Training for SME about using 3D printer for SME
- 2022 Training for SME about Design product development

PUBLICATION

- Herawan, S. G., & Ahmad, M. A. (2020, February). Study on adsorption of methylene blue on activated carbon from pinang frond using an experimental design to determine

the optimum operating parameters. In IOP Conference Series: Earth and Environmental Science (Vol. 426, No. 1, p. 012115). IOP Publishing

- Herawan, S. G., & Bagaskara, A. (2020, February). Design an innovative waste recycling trash bin based on the requirements from customers (Binusian) in Bina Nusantara University. In IOP Conference Series: Earth and Environmental Science (Vol. 426, No. 1, p. 012119). IOP Publishing
- Hadzley, A. B., Afuza, A. A., Norfauzi, T., Umar, U. A. A., & Herawan, S. G. (2020). COMPARISON OF WEAR PERFORMANCE BETWEEN ALUMINA AND ALUMINA-ZIRCONIA CUTTING TOOLS AT HIGHER CUTTING SPEED. Journal of Advanced Manufacturing Technology (JAMT), 14(2 (2))
- Bakar, H. A., Azhar, A. A., Ab Wahab, N., Azlan, U. A., Rashid, M. F., & Herawan, S. G. (2021). Optimization and wear characteristics of TiAlN coated carbide when machining hardened high thermal conductivity (HTCS-150) die steel. Surface Topography: Metrology and Properties, 9(2), 025020
- Hossain, A. Z., Indra, W. A., Alsayaydeh, J. J., & Herawan, S. G. (2021). A planar monopole UWB antenna with partial ground plane for retransmission-based chipless RFID. International Journal of Intelligent Engineering and Systems, 14(4), 539-547
- Afifie, N. A., Khang, A. W. Y., Amin, A. F. B. M., Alsayaydeh, J. A. J., Indra, W. A., Herawan, S. G., & Ramli, A. B. (2021). Evaluation Method of Mesh Protocol over ESP32 and ESP8266. Baghdad Science Journal, 18(4 (Suppl.)), 1397-1397
- Bakar, H. A., Rashid, M. F., Salleh, M. S., Hafizh, H., Ali, M. B., & Herawan, S. G. (2020, September). Effect of Cutting Speeds on Wear Performance of 22MnB5 Boron Steel When Machining with Al 6061 Aluminum Alloy. In Proceedings of the Malaysian International Tribology Conference (pp. 94-98). Singapore: Springer Singapore
- Rosli, M. A. M., Hamizan, M. A. D., Nawam, M. Z., Hussain, F., & Herawan, S. G. (2022). Measurement of Spectral Match and Spatial Non-uniformity for Indoor Solar Simulator. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 100(1), 98-115
- Alsayaydeh, J. A. J., bin Yusof, M. F., Halim, M. Z. B. A., Zainudin, M. N. S., & Herawan, S. G. (2023). Patient Health Monitoring System Development using ESP8266 and Arduino with IoT Platform. International Journal of Advanced Computer Science and Applications, 14(4)
- Riyadi, T. W., Hernandez, M. S., Herawan, S. G., Idris, M., Paristiawan, P. A., Putra, N. R., ... & Veza, I. (2023). Biodiesel for HCCI engine: Prospects and challenges of sustainability biodiesel for energy transition. Results in Engineering, 100916
- Ghazali, I., Abdul-Rashid, S. H., Dawal, S. Z. M., Irianto, I., Herawan, S. G., Ho, F. H., ... & Padzil, N. W. S. (2023). Embedding Green Product Attributes Preferences and Cultural Consideration for Product Design Development: A Conceptual Framework. Sustainability, 15(5), 4542
- Azizul Izham, E. D. I., Alkahari, M. R., Hussein, N. I. S., Maidin, S., Ramli, F. R., & Herawan, S. G. (2023). Online monitoring of wire arc additive manufacturing process: a review. Advances in Materials and Processing Technologies, 1-16
- Rosli, M. A. M., Salimen, N., Rafaizul, N. I. A. M., Misha, S., Abdullah, N., Herawan, S. G., ... & Hussain, F. (2023). Parametric Study of Photovoltaic System Integrated with Organic Phase Change Material using ANSYS. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 106(1), 76-89

SELF DEVELOPMENT

- 2022 International Webinar Multivariate Analysis: Structural Equation Model (SEM-PLS)
- 2022 Nasional-Seminar 12 FEI PGD
- 2022 EON-XR Educator Course
- 2023 Multimedia based Digital Design Using Midjourney & AI Generative Platform
- 2023 Interactive Design for Material Class Presentation (Visual for Story Telling)