



Prof. Herman Dwi Surjono, Ph.D.

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PROFILE

Herman Dwi Surjono is a professor at the Faculty of Engineering, Yogyakarta State University (YSU), Indonesia. He was appointed a full professor in 2014 and awarded the best professor in 2020 by YSU. Currently, he teaches both undergraduate and graduate students multimedia learning, e-learning, interactive multimedia, ICT for education, and digital media at the university. He earned his bachelor degree in electronic education from IKIP Yogyakarta in 1986 and a first master's degree in Industrial Education & Technology from Iowa State University, USA in 1994 and then a second master's degree in Computer System & Informatics from Gadjah Mada University in 2000. He received his Ph.D. in Information Technology from Southern Cross University Australia in 2006. He has a strong interest in such research areas as adaptive hypermedia, computer-based learning, e-learning, online education, digital learning and multimedia learning. He has experience in supervising master and doctoral degree students. He has published journal papers, articles, books, speeches, videos related to e-learning, blended learning and multimedia learning. He is looking forward to any future academic and research collaboration. He can be reached at [hermansurjono\[at\]uny.ac.id](mailto:hermansurjono[at]uny.ac.id).

LIST OF PUBLICATIONS (LAST THREE YEARS)

| No | Title | Publication |
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| 1. | Effectiveness of Android-Based Mobile Learning in Graphic Design Course for Digital Learning: The Development Research Study | International Journal of Information and Education Technology., 2024, 14(4), pp. 602–611 Indexed by Scopus Authors: Hakiki, M., Surjono, H.D., Wagiran, ...Suryaningsih, A., Hidayah, Y.) |
| 2. | Enhance Deep Reinforcement Learning with Denoising Autoencoder for Self-Driving Mobile Robot | Journal of Robotics and Control (JRC)., 2024, 5(3), pp. 667–676, Indexed by Scopus Authors: Pratama, G.N.P., Hidayatulloh, I., Surjono, H.D., Sukardiyono, T. |
| 3. | Effectiveness of Mobile Virtual Laboratory Based on Project-Based Learning to Build Constructivism Thinking | International Journal of Interactive Mobile Technologies., 2024, 18(6), pp. 40–55, Indexed by Scopus Authors: Fadli, R., Surjono, H.D., Sari, R.C., Triyono, M.B., Samala, A.D. |
| 4. | Assessing Cybersecurity Awareness Among Vocational Students in Office Administration | International Journal of Safety and Security Engineering, 2024, 14(4), pp. 1115–1123 Indexed by Scopus Authors: Fadli, R., Surjono, H.D., Sari, R.C., Hidayah, Y., Eliza, F. |
| 5. | Practicality of Mobile-Based Learning with Project-Based Learning Approach in Electric Motor Installation to Increase Student Learning Motivation | International Journal of Information and Education Technology, 2024, 14(8), pp. 1127–1135 Indexed by Scopus Authors: Fadli, R., Surjono, H.D., Sari, R.C., Hakiki, M., Hidayah, Y. |
| 6. | Teachers' Experiences in Implementing the School Literacy Movement (GLS): An Investigation of Junior High School Literacy Programs in Indonesia | Journal of Curriculum and Teaching, 2024, 13(5), pp. 393–404. Indexed by Scopus Authors: Puji Lestari, Anik Gufron, Herman Dwi Surjono |

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| 7. | Enhancing cybersecurity awareness through mobile learning: a study on vocational accounting and finance students | International Journal of Advanced Technology and Engineering Exploration, 2024, 11(121), pp. 1714–1731. Indexed by Scopus Authors: Eliza, F., Fadli, R., Hidayah, Y., Surjono, H.D., Sari, R.C. |
| 8. | Learner Assessment System in e-Learning with OBE Approach: Activity Performance, Ability Level and Recommendation | HighTech and Innovation Journal, 2024, 5(3), pp. 572–602. Indexed by Scopus Authors: Yuniarti, W.D., Hartati, S., Priyanta, S., Surjono, H.D. |
| 9. | Effectiveness of Cybersecurity Awareness Program Based on Mobile Learning to Improve Cyber Hygiene | International Journal of Information and Education Technology, 2025, 15(2), pp. 220–229, 2235. Indexed by Scopus Authors: Surjono, H.D., Fadli, R., Sari, R.C., Purnomo, S., Asnimawati |
| 10. | Utilizing virtual reality for real-time emotion recognition with artificial intelligence: a systematic literature review | Bulletin of Electrical Engineering and Informatics, 2025, 14(1), pp. 447–456. Indexed by Scopus Authors: Purnomo, F.A., Arifin, F., Surjono, H.D. |
| 11. | Student's Self-Regulated Learning Level in Vocational School: Implications for Improving Critical Thinking Skills. | Journal of Information Systems Engineering and Management, 2025, 10, pp. 488–500. Indexed by Scopus Authors: Eko Marwanto, Ria Rochmi Safitri, Herman Dwi Surjono |
| 12. | Gamification: Enhancing Constructivist Skills through Line-Following Robots | International Journal of Online and Biomedical Engineering, 2025, 21(1), pp. 132–150. Indexed by Scopus Authors: Budiman, R.D.A., Surjono, H.D., Wagiran, Hidayat, E., Syafruddin |
| 13. | Online Learning for Students with Hearing Impairment: A Systematic Review | TEM Journal, 2025, 14(2), pp. 1762–1770. Indexed by Scopus Authors: Utami, I.S., Surjono, H.D., Sujarwo, S., Hafid, A |
| 14. | Do gender and teaching experience influence prospective teachers' self-efficacy in utilizing computer-based learning media? | Educacao e Pesquisa, 2025, 51, e279816. Indexed by Scopus Authors: Khusniyah, T.W., Surjono, H.D., Tohani, E., Wuryandani, W. |
| 15. | Development and evaluation of a project-based flipped learning model supported by virtual mobile observatory to enhance problem-solving skills and ICT literacy among middle school students | Multidisciplinary Science Journal, 2025, 7(6), e2025281. Indexed by Scopus Authors: Putra, D.P., Surjono, H.D., Ikhsan, J., Bancong, H. |
| 16. | Developing a Blended Collaborative Writing Instruction model for academic writing classes | International Journal of Innovative Research and Scientific Studies, 2025, 8(1), pp. 2554–2574. Indexed by Scopus Authors: Indriani, L., Surjono, H.D., Putro, N.H.P.S. |
| 17. | Harmonic Detection of Electric Current using Machine Learning: A Literature Review | Journal of Advanced Research Design, 2025, 132(1), pp. 140–151. Indexed by Scopus Authors: Assaffat, L., Surjono, H.D., Arifin, F. |
| 18. | Multi-user Interaction in Collaborative Virtual Multi-class for Metaverse | Journal of Advanced Research Design, 2025, 135(1), pp. 39–52. Indexed by Scopus Authors: Purnomo, F.A., Arifin, F., Surjono, H.D. |
| 19. | A Systematic Review: Employing AI in Adaptive Learning Recommendation System for Vocational Education | Journal of Theoretical and Applied Information Technology, 2025, 103(16), pp. 6350–6376. Indexed by Scopus Authors: Setyaningsih Fatma A, Surjono Herman Dwi, Andayani Sri |
| 20. | Enhancing Critical Thinking in Science Education Through STEAM Integration: A Framework for Innovative Pedagogy | Participatory Educational Research, 2025, 12(5), pp. 43–66, 1628355. Indexed by Scopus Authors: Winda Purnama Sari, Herman Dwi Surjono, Slamet Suyanto |
| 21. | Design and assessment of effective multimedia-based courseware for student quantitative data analysis | International Journal of Evaluation and Research in Education, 2025, 14(4), pp. 3103–3115. Indexed by Scopus Authors: Abdunassir Yassin, Ashadi Bashir, Herman Dwi Surjono, Zul Afdal, Victor Novianto |

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| 22. | VERITAS: Vision-based Excitation and Robust Intelligence for Transformer-Assisted Deepfakes Detection | International Journal of Intelligent Engineering and Systems, 2025, 18(8), pp. 472–484. Indexed by Scopus Author: Alam Rahmatulloh, Herman Dwi Surjono, Fatchul Arifin, Irfan Darmawan, Nia Ambarsari |
| 23. | Optimizing VR-UX: analysis and adaptive recommendations for enhancing immersion and reducing motion sickness | International Journal of Advances in Applied Sciences, 2025, 14(4), pp. 1181–1191. Indexed by Scopus Authors: Fendi Aji Purnomo, Fatchul Arifin, Herman Dwi Surjono |
| 24. | Constructivist-based flipped classroom in e-learning: Enhancing student engagement and learning outcomes | Multidisciplinary Science Journal, 2026, 8(2), e2026028. Indexed by Scopus Authors: Metta Mariam, Herman Dwi Surjono, Bernardus Sentot Wijanarka, Indra Maulana |
| 25. | How Demographic Factors Shape the Effectiveness of Digital Literacy Training among Higher Education Lecturers | Participatory Educational Research, 2026, 13(1), pp. 191–212. Indexed by Scopus Authors: Novi Trilisiana, Herman Dwi Surjono, Rukiyati Rukiyati, Kwarta Adimphrana |
| 26. | Exploring the Impact of the Blended-Collaborative Writing Instructional Model on EFL Learners' Academic Writing: A Mixed-Methods Study | Journal of Asia TEFL Open source preview, 2026, 23(1), pp. 117–127. Indexed by Scopus Authors: Indriani, Surjono, Putro |
| 27. | Web-Based Deepfake Detection Using VERITAS: Integrating Vision-Based Excitation with Transformer-Driven Intelligence | Jurnal RESTI, 2026, 10(1), pp. 181–188. Indexed by Scopus Authors: Rahmatullah, Surjono, Arifin, Gunawan, Randi |
| 28. | Progressive web applications as a tool to achieve SDG 4 and SDG 8: Evidence from vocational schools in marginalized regions | Journal of Education and e-Learning Research, 2026, 13(2), pp. 42–53 Indexed by Scopus Authors: Mara, Surjono, Nurhening |
| 29. | Drone-assisted deep learning weed detection for sustainable agriculture and environmental resilience | IAES International Journal of Artificial Intelligence, (2026), 15 (2), pp. 1428 – 1440. Indexed by Scopus . Authors: Latif A., Jati H., Surjono H.D., Yusuf M. |
| 30. | Benchmarking quantum kernels and modern vision models for compound facial expression recognition | Scientific Reports volume 16, Article number: 11261 (2026). Indexed by Scopus . Authors: Mangaras Yanu Florestiyanto, Herman Dwi Surjono & Handaru Jati |

PROFESSIONAL MEMBERSHIPS

| Year | Organization | Status |
|----------------|---|------------------------------------|
| 2009 – present | Asosiasi Dosen & Guru Vokasi Indonesia (ADGVI) | Member |
| 2011 – present | International Association of Computer Science and Information Technology (IACSIT) | Senior Member No: 80343064 |
| 2015 – present | Universal Association of Computer and Electronics Engineers (UACEE) | Senior Member SNM10100053018 |
| 2015 – present | The American Society for Research (ASR) | Senior Member No: R215123001 |
| 2018 – present | Association for Computing Machinery (ACM) | Professional Member No: 7399521 |