

บรรณานุกรม

- Amsal, M. F. (2023). The Competence of Personality Preservice Teacher Based on The Strengthening of Character Education. *Pedagogi: Jurnal Ilmu Pendidikan; Vol 23 No 2 (2023) : Pedagogi: Jurnal Ilmu Pendidikan; 201- 208.* doi:10.24036/pedagogi.v23i2.1790.
- Atzori, L., Iera, A., & Morabito, G. (2010). The Internet of Things: A survey. *Computer Networks*, 54(15), 2787-2805.
- Braun, G., Stahre, J., & Hämmäläinen, R. (2022). Skills matching for a greener industry 4.0– A literature review. *SPS2022*, 677-688.
- Boyatzis, R. E. (1982). *The competent manager: A model for effective performance.* John Wiley & Sons.
- Buntting, C., & Jones, A. (2015). Futures Thinking in the Future of Science Education. In D. Corrigan, C. Buntting, J. Dillon, A. Jones, & R. Gunstone (Eds.), *The Future in Learning Science: What's in it for the Learner? What's in it for the Learner?* (pp. 229-244). Cham: Springer International Publishing.
- Cabral, C., & Lochan Dhar, R. (2019). Green competencies: Construct development and measurement validation. *Journal of Cleaner Production*, 235, 887- 900. doi:https://doi.org/10.1016/j.jclepro.2019.07.014
- Cohen, S., & Macek, J. (2021). Cyber-Physical Process Monitoring Systems, Real-Time Big Data Analytics, and Industrial Artificial Intelligence in Sustainable Smart Manufacturing. *Economics, Management, and Financial Markets*, 16(3) . Retrieved from <https://search.ebscohost.com/login.aspx?direct=true&db=edsbig&AN=edsbig.A678581193&site=eds-live&authtype=ip,uid>
- Daryono, R. W., Ramadhan, M. A., Kholifah, N., Isnantyo, F. D., & Nurtanto, M. (2023). An empirical study to evaluate the student competency of vocational education. *International Journal of Evaluation & Research in Education*, 12(2), 1079-1086. doi:10.11591/ijere.v12i2.22805
- Dassisti, M., & Semeraro, C. (2018). *Smart Sustainable Manufacturing: A New Laboratory-Factory Concept to Test Industry 4.0 Principles*

- Dumitru, D., & Halpern, D. F. (2023). Critical thinking: Creating job-proof skills for the future of work. *Journal of Intelligence*, 11(10), 194.
- DPMC. (2023). Futures thinking. *Futures thinking*. Retrieved from <https://www.dpmc.govt.nz/our-programmes/policy-project/policy-methods-toolbox/futures-thinking#:~:text=Futures%20thinking%20is%20a%20creative, right%20answer%20and%20reduce%20uncertainty>.
- Efremova, N. (2023). Equity Strategies in the Design of Student Competency Assessment. *Innovacionnaâ nauka: psihologiâ, pedagogika, defektologiâ*, 6(1), 81–93. doi:10.23947/2658-7165-2023-6-1-81-93
- Ferns, S., Dawson, V., & Howitt, C. (2019). A collaborative framework for enhancing graduate employability. *International Journal of Work-Integrated Learning*, 20(2), 99–111. Retrieved from <https://search.ebscohost.com/login.aspx?direct=true&db=eue&AN=141508758&site=eds-live&authtype=ip,uid>
- Froese, F. J., & Hong, L.-Y. (2022). Employability skills of the next generation of Chinese factory workers. *Career Development International*, 27(6/7), 657–679. doi:10.1108/CDI-05-2021-0117
- Gautam, P., Maheshwari, S., & Jaggi, C. K. (2022). Sustainable production inventory model with greening degree and dual determinants of defective items. *Journal of Cleaner Production*, 367. doi:10.1016/j.jclepro.2022.132879
- Geisinger, K. F. (2016). 21st Century Skills: What Are They and How Do We Assess Them? *Applied Measurement in Education*, 29(4), 245–249. doi:10.1080/08957347.2016.1209207
- Hermann, M., Pentek, T., & Otto, B. (2016). Design Principles for Industrie 4.0 Scenarios. 49th Hawaii International Conference on System Sciences (HICSS), 3928–3937
- González-Pérez, L. I., & Ramírez-Montoya, M. S. (2022). Components of education 4.0 in 21st century skills frameworks: Systematic review. *Sustainability*, 14(3), 1493.
- Intalar, N., Ueki, Y., & Jeenanunta, C. (2024). Enhancing competitiveness: Driving and facilitating factors for Industry 4.0 adoption in Thai manufacturing. *Economies*, 12(8).

- Inyang, V., Kanakana, G. M., & Laseinde, O. T. (2023). Application of sustainable smart manufacturing technologies and toolkits in the automotive industry. *International Journal of Low-Carbon Technologies*, 18, 412-422.
- Joyal, A. D., Badurdeen, F., Dillon, O. W., & Jawahir, I. S. (2010). Sustainable manufacturing: Modeling and optimization challenges at the product, process and system levels. *CIRP Journal of Manufacturing Science and Technology*, 2(3), 144-152. doi:<https://doi.org/10.1016/j.cirpj.2010.03.006>
- Jones, A., Bunting, C., Hipkins, R., McKim, A., Conner, L., & Saunders, K. (2012). Developing Students' Futures Thinking in Science Education. *Research in Science Education*, 42(4), 687-708. doi:10.1007/s11165-011-9214-9
- Juasiripukdee, P. (2017). Concepts of product design and manufacturing technology. In *Textbook of 97316 Technology for Product and Process Design in Industry, Units 1-7* (1st revised ed., pp. 1-1 - 1-49). Nonthaburi, Thailand: Sukhothai Thammathirat Open University.
- Kagermann, H., Wahlster, W., & Helbig, J. (2013). Recommendations for Implementing the Strategic Initiative INDUSTRIE 4.0. Final report of the Industrie 4.0 Working Group.
- Kang, H. S., Lee, J. Y., Choi, S., Kim, H., Park, J. H., Son, J. Y., . . . Noh, S. D. (2016). Smart manufacturing: Past research, present findings, and future directions. *International Journal of Precision Engineering and Manufacturing- Green Technology*, 3(1), 111-128. doi:10.1007/s40684-016-0015-5
- Kusiak, A. (2018). Smart manufacturing. *International Journal of Production Research*, 56(1-2), 508-517.
- Laosum, T. (2024). Measurement model of readiness for online testing of undergraduate students in Thailand's distance education programs. *Asian Association of Open Universities Journal*, 19(2), 186-201.
- Lasi, H., Fettke, P., Kemper, H. G., Feld, T., & Hoffmann, M. (2014). Industry 4.0. *Business & Information Systems Engineering*, 6(4), 239-242.
- Lee, I., & Lee, K. (2015). The Internet of Things (IoT): Applications, investments, and challenges for enterprises. *Business Horizons*, 58(4), 431-440.

- Lee, J., Bagheri, B., & Kao, H. A. (2015). A cyber-physical systems architecture for Industry 4.0-based manufacturing systems. *Manufacturing Letters*, 3(3), 18-23.
- McClelland, D. C. (1973). Testing for competence rather than for intelligence. *American Psychologist*, 28(1), 1-14. <https://doi.org/10.1037/h0034092>
- Milisavljevic-Syed, J. *et al.* (2023a) 'The Learning Factory through the sustainability lens', *SSRN Electronic Journal* [Preprint]. doi:10.2139/ssrn.4471445.
- Mittal, S., Khan, M. A., Romero, D., & Wuest, T. (2017). Smart manufacturing: Characteristics, technologies and enabling factors. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 233(5), 1342-1361. doi:10.1177/0954405417736547
- MLAOUHI, K., CHOLEZ, C. & GZARA, L. 2022. An Action-based Model to Identify Human Competencies through the Trace of Actions: Case of a Building Energy Engineering Company. *IFAC-PapersOnLine*, 55, 169-174.
- Mohamed, A., Adel, T. A., Italo, T., Mahmoud, S. S., Monis, L., & Hussien, H. (2020). Sustainable and Smart Manufacturing: An Integrated Approach. *Sustainability*, 12(6), 2280-2280. doi:10.3390/su12062280
- Monostori, L. (2014). Cyber-physical production systems: Roots, expectations and R&D challenges. *Procedia CIRP*, 17, 9-13.
- Natarajan, E., Palanikumar, K., & Ramesh, S. (2021). Smart manufacturing a lead way to sustainable manufacturing. In *Futuristic trends in intelligent manufacturing: Optimization and intelligence in manufacturing* (pp. 1-7). Cham: Springer International Publishing.
- Nelyza, F., Putri, D., & Fatimah, R. (2021). Competency Analysis of Student Cognitive in Learning in Elementary Schools. *Jurnal Serambi Ilmu (JSI); Vol. 22 No. 1 (2021): Jurnal Serambi Ilmu; 62- 73*. Retrieved from <https://research.ebsco.com/linkprocessor/plink?id=840aa910-14f9-3f56-a350-ca6cb70bd782>
- Onu, P., Pradhan, A., & Mbohwa, C. (2023, December). Sustainable production through competency development in smart manufacturing. In *2023 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)* (pp. 1437-1441). IEEE.

- Parry, S. B. (1996). The quest for competencies. *Training*, 33(7), 48-56.
- Retnaningsih, D. (2022). Nursing competency for nursing students: An integrative review. *International journal of health sciences*, 6(55), 6051-6058.
- Rozi, E. N. R. F. (2021). Student Competency Analysis Based on 2013 Curriculum Implementation. *Economic Education Analysis Journal*, 10(2) , 215- 228. doi:10.15294/eeaj.v10i2.40891
- Schwab, K. (2016) The Fourth Industrial Revolution. World Economic Forum.
- Smith, A. C., Andersen, P., & Carey, M. (2023). Undergraduate paramedic student competency assessment: A grounded theory study explaining how assessors in Australia and New Zealand determine student competency to practice. *Paramedicine*, 20(4), 94-106. doi:10.1177/27536386231165542
- Spencer, L. M., & Spencer, S. M. (1993). *Competence at work: Models for superior performance*. John Wiley & Sons.
- Tagulwa, E. A., Owino, P., Muwonge, F., & Kaahwa, M. G. (2023). Students' and Employers' Perceptions of Employability Skills in Uganda. *International Journal of Multidisciplinary: Applied Business & Education Research*, 4(6) , 2038- 2044. doi:10.11594/ijmaber.04.06.28
- Thao, T. Q. (2020). Student teachers' perception of their teaching competency assessed by a framework for assessing student teachers' english teaching competency (fastetc). *VNU Journal of Foreign Studies*, 36. doi:10.25073/2525-2445/vnufs.4563
- Xu, L. D., He, W., & Li, S. (2014). Internet of Things in Industries: A Survey. *IEEE Transactions on Industrial Informatics*, 10(4), 2233–2243.
- Xu, L. D., Xu, E. L., & Li, L. (2018). Industry 4.0: State of the Art and Future Trends. *International Journal of Production Research*, 56(8), 2941–2962.