

DAFTAR PUSTAKA

- 3 *APPLICATION OF SOFT SYSTEMS METHODOLOGY*. (n.d.).
- Aguinis, H., Gottfredson, R. K., & Joo, H. (2012). Delivering effective performance feedback: The strengths-based approach. In *Business Horizons* (Vol. 55, Issue 2, pp. 105–111). <https://doi.org/10.1016/j.bushor.2011.10.004>
- Akarsu, T. N. (2023). Digital transformation towards a sustainable circular economy: Can it be the way forward? *Journal of Information Technology Teaching Cases*. <https://doi.org/10.1177/20438869231178036>
- Alaerts, L., Van Acker, K., Rousseau, S., De Jaeger, S., Moraga, G., Dewulf, J., De Meester, S., Van Passel, S., Compennolle, T., Bachus, K., Vrancken, K., & Eyckmans, J. (2019). Towards a more direct policy feedback in circular economy monitoring via a societal needs perspective. *Resources, Conservation and Recycling*, 149, 363–371. <https://doi.org/10.1016/j.resconrec.2019.06.004>
- Al-Fattah, S. M. (2020). Non-OPEC conventional oil: Production decline, supply outlook and key implications. *Journal of Petroleum Science and Engineering*, 189. <https://doi.org/10.1016/j.petrol.2020.107049>
- Aloini, D., Dulmin, R., Mininno, V., Stefanini, A., & Zerbino, P. (2020). Driving the transition to a circular economic model: A systematic review on drivers and critical success factors in circular economy. In *Sustainability (Switzerland)* (Vol. 12, Issue 24, pp. 1–14). MDPI. <https://doi.org/10.3390/su122410672>
- Antikainen, M., Uusitalo, T., & Kivikytö-Reponen, P. (2018). Digitalisation as an Enabler of Circular Economy. *Procedia CIRP*, 73, 45–49. <https://doi.org/10.1016/j.procir.2018.04.027>
- Atif, S., Ahmed, S., Wasim, M., Zeb, B., Pervez, Z., & Quinn, L. (2021). Towards a conceptual development of industry 4.0, servitisation, and circular economy: A systematic literature review. In *Sustainability (Switzerland)* (Vol. 13, Issue 11). MDPI AG. <https://doi.org/10.3390/su13116501>
- Babbitt, C. W., Gaustad, G., Fisher, A., Chen, W. Q., & Liu, G. (2018). Closing the loop on circular economy research: From theory to practice and back again. In *Resources, Conservation and Recycling* (Vol. 135, pp. 1–2). Elsevier B.V. <https://doi.org/10.1016/j.resconrec.2018.04.012>
- Balsalobre-Lorente, D., & Shah, S. A. R. (2024). Stay circular economy, empowerment, and natural resource utilization factual factors for SDG 12? The principal role of digital technologies. *Journal of Environmental Management*, 370. <https://doi.org/10.1016/j.jenvman.2024.122459>
- Bauer, G., & Darkwah, A. K. (2020). We would rather be leaders than parliamentarians: Women and political office in ghana. *European Journal of Politics and Gender*, 3(1), 101–119. <https://doi.org/10.1332/251510819X15698351185989>

- Bergvall-Kåreborn, B., Mirijamdotter, A., & Basden, A. (2004). Basic Principles of SSM Modeling: An Examination of CATWOE From a Soft Perspective. In *Systemic Practice and Action Research* (Vol. 17, Issue 2).
- Bican, P. M., & Brem, A. (2020). Digital Business Model, Digital Transformation, Digital Entrepreneurship: Is there a sustainable “digital”? *Sustainability (Switzerland)*, 12(13). <https://doi.org/10.3390/su12135239>
- Bocken, N., Strupeit, L., Whalen, K., & Nußholz, J. (2019). A review and evaluation of circular business model innovation tools. In *Sustainability (Switzerland)* (Vol. 11, Issue 8). MDPI. <https://doi.org/10.3390/su11082210>
- Brocklesby, J. (1995). Intervening in the Cultural Constitution of Systems-Methodological Complementarism and Other Visions for Systems Research. In *Source: The Journal of the Operational Research Society* (Vol. 46, Issue 11). <https://about.jstor.org/terms>
- Busu, C., & Busu, M. (2018). Modeling the circular economy processes at the EU level using an evaluation algorithm based on shannon entropy. *Processes*, 6(11). <https://doi.org/10.3390/pr6110225>
- Centobelli, P., Cerchione, R., Chiaroni, D., Del Vecchio, P., & Urbinati, A. (2020). Designing business models in circular economy: A systematic literature review and research agenda. *Business Strategy and the Environment*, 29(4), 1734–1749. <https://doi.org/10.1002/bse.2466>
- Çetin, S., De Wolf, C., & Bocken, N. (2021). Circular digital built environment: An emerging framework. *Sustainability (Switzerland)*, 13(11). <https://doi.org/10.3390/su13116348>
- Chauhan, C., Parida, V., & Dhir, A. (2022). Linking circular economy and digitalisation technologies: A systematic literature review of past achievements and future promises. *Technological Forecasting and Social Change*, 177. <https://doi.org/10.1016/j.techfore.2022.121508>
- Checkland^, P., & Tsouvalis^, C. (1997). Reflecting on SSM: The Link Between Root Definitions and Conceptual Models. In *Syst. Res. Behav. Sci* (Vol. 14, Issue 3).
- Checkland, P. (1985). Achieving “Desirable and Feasible” Change: An Application of Soft Systems Methodology. In *Source: The Journal of the Operational Research Society* (Vol. 36, Issue 9). <https://about.jstor.org/terms>
- Checkland, P. (2000). Soft Systems Methodology: A Thirty Year Retrospective a. In *Systems Research and Behavioral Science Syst. Res* (Vol. 17).
- Checkland, P. B. (1989). Soft Systems Methodology*. In *Human Systems Management* (Vol. 8).
- Checkland, P., & Poulter, J. (2010). Soft systems methodology. In *Systems Approaches to Managing Change: A Practical Guide* (pp. 191–242). Springer London. https://doi.org/10.1007/978-1-84882-809-4_5
- Chiappetta Jabbour, C. J., Sarkis, J., Lopes de Sousa Jabbour, A. B., Scott Renwick, D. W., Singh, S. K., Grebinevych, O., Kruglianskas, I., & Filho, M. G. (2019). Who is in charge? A review and a research agenda on the ‘human side’ of the circular economy. In *Journal of Cleaner Production* (Vol. 222, pp. 793–801). Elsevier Ltd. <https://doi.org/10.1016/j.jclepro.2019.03.038>
- Competitive_Advantage_creative_and_susta.* (n.d.).

- Dutch Banking Sector Agreement-Working group Value chain.* (n.d.).
- Eesti Rahvusraamatukogu digitaalarhiiv DIGAR.* (n.d.).
- Empowerment theory, research, _.* (n.d.).
- Energy Agency, I. (n.d.). *The Oil and Gas Industry in Energy Transitions.*
- Eni Annual Report / Risk Management.* (n.d.).
- Feliciano-Cestero, M. M., Ameen, N., Kotabe, M., Paul, J., & Signoret, M. (2023). Is digital transformation threatened? A systematic literature review of the factors influencing firms' digital transformation and internationalization. *Journal of Business Research*, 157. <https://doi.org/10.1016/j.jbusres.2022.113546>
- Ferronato, N., Rada, E. C., Gorritty Portillo, M. A., Cioca, L. I., Ragazzi, M., & Torretta, V. (2019). Introduction of the circular economy within developing regions: A comparative analysis of advantages and opportunities for waste valorization. *Journal of Environmental Management*, 230, 366–378. <https://doi.org/10.1016/j.jenvman.2018.09.095>
- Fetanat, A., & Tayebi, M. (2022). A picture fuzzy set-based decision support system for treatment technologies prioritization of petroleum refinery effluents: A circular water economy transition towards oil & gas industry. *Separation and Purification Technology*, 303. <https://doi.org/10.1016/j.seppur.2022.122220>
- Founding Partners of the Ellen MacArthur Foundation 2013 CIRCULAR ECONOMY TOWARDS THE Economic and business rationale for an accelerated transition.* (n.d.).
- Geissdoerfer, M., Pieroni, M. P. P., Pigosso, D. C. A., & Soufani, K. (2020). Circular business models: A review. In *Journal of Cleaner Production* (Vol. 277). Elsevier Ltd. <https://doi.org/10.1016/j.jclepro.2020.123741>
- Gerwel, C. N., Lecturer, P., & Bodhanya, S. (2015). *An Application of Soft Systems Methodology in the Sugar Industry.*
- Grafström, J., & Aasma, S. (2021). Breaking circular economy barriers. In *Journal of Cleaner Production* (Vol. 292). Elsevier Ltd. <https://doi.org/10.1016/j.jclepro.2021.126002>
- GROWTH WITHIN: A CIRCULAR ECONOMY VISION FOR A COMPETITIVE EUROPE.* (n.d.).
- Hildén, M., Jordan, A., & Rayner, T. (2014). Climate policy innovation: developing an evaluation perspective. *Environmental Politics*, 23(5), 884–905. <https://doi.org/10.1080/09644016.2014.924205>
- Holt, G. D., Love, P. E. D., & Nesan, L. J. (n.d.). *Employee empowerment in construction: an implementation model for process improvement.* <http://www.emerald-library.com>
- Huang, K., & Zhang, J. (2011). Circular economy strategies of oil and gas exploitation in China. *Energy Procedia*, 5, 2189–2194. <https://doi.org/10.1016/j.egypro.2011.03.378>
- Inigo, E. A., & Blok, V. (2019). Strengthening the socio-ethical foundations of the circular economy: Lessons from responsible research and innovation. *Journal of Cleaner Production*, 233, 280–291. <https://doi.org/10.1016/j.jclepro.2019.06.053>

- Ivan, L., Bosilj Vuk, V., & Spremi, M. (2019a). *Technology Innovation Management Review Mastering the Digital Transformation Process: Business Practices and Lessons Learned*.
- Ivan, L., Bosilj Vuk, V., & Spremi, M. (2019b). *Technology Innovation Management Review Mastering the Digital Transformation Process: Business Practices and Lessons Learned*.
- Jain, N. K., Panda, A., & Choudhary, P. (2020). Institutional pressures and circular economy performance: The role of environmental management system and organizational flexibility in oil and gas sector. *Business Strategy and the Environment*, 29(8), 3509–3525. <https://doi.org/10.1002/bse.2593>
- Jesus, G. M. K., Jugend, D., Paes, L. A. B., Siqueira, R. M., & Leandrin, M. A. (2023). Barriers to the adoption of the circular economy in the Brazilian sugarcane ethanol sector. *Clean Technologies and Environmental Policy*, 25(2), 381–395. <https://doi.org/10.1007/s10098-021-02129-5>
- Johansson, N., & Henriksson, M. (2020). Circular economy running in circles? A discourse analysis of shifts in ideas of circularity in Swedish environmental policy. *Sustainable Production and Consumption*, 23, 148–156. <https://doi.org/10.1016/j.spc.2020.05.005>
- Kansrini, Y., Zuliyanti, A., Mulyani, P. W., & Pirmansyah, D. (2020). Peran Koperasi Dalam Pemberdayaan Petani Kopi di Kabupaten Mandailing Natal. *JOSETA: Journal of Socio-Economics on Tropical Agriculture*, 2(2). <https://doi.org/10.25077/joseta.v2i2.241>
- Kementerian PPN. (2021). RINGKASAN BAGI PEMBUAT KEBIJAKAN. In *JA NUARY* (Vol. 202).
- Khan, S., Maqbool, A., Haleem, A., & Khan, M. I. (2020). Analyzing critical success factors for a successful transition towards circular economy through DANP approach. *Management of Environmental Quality: An International Journal*, 31(3), 505–529. <https://doi.org/10.1108/MEQ-09-2019-0191>
- Kottmeyer, B. (2021). Digitisation and Sustainable Development: The Opportunities and Risks of Using Digital Technologies for the Implementation of a Circular Economy. *Journal of Entrepreneurship and Innovation in Emerging Economies*, 7(1), 17–23. <https://doi.org/10.1177/2393957520967799>
- Kouhizadeh, M., Zhu, Q., & Sarkis, J. (2020). Blockchain and the circular economy: potential tensions and critical reflections from practice. *Production Planning and Control*, 31(11–12), 950–966. <https://doi.org/10.1080/09537287.2019.1695925>
- Kraus, S., Jones, P., Kailer, N., Weinmann, A., Chaparro-Banegas, N., & Roig-Tierno, N. (2021). Digital Transformation: An Overview of the Current State of the Art of Research. *SAGE Open*, 11(3). <https://doi.org/10.1177/21582440211047576>
- Kremer, H., Villamor, I., & Aguinis, H. (2019). Innovation leadership: Best-practice recommendations for promoting employee creativity, voice, and knowledge sharing. *Business Horizons*, 62(1), 65–74. <https://doi.org/10.1016/j.bushor.2018.08.010>

- Kumar, V., Vrat, P., & Shankar, R. (2024). Managing Implementation Issues in Industry 4.0: A soft Systems Methodology-based Approach. In *Systemic Practice and Action Research*. Springer. <https://doi.org/10.1007/s11213-024-09686-y>
- Kurniawan, T. A., Meidiana, C., Dzarfan Othman, M. H., Goh, H. H., & Chew, K. W. (2023). Strengthening waste recycling industry in Malang (Indonesia): Lessons from waste management in the era of Industry 4.0. *Journal of Cleaner Production*, 382. <https://doi.org/10.1016/j.jclepro.2022.135296>
- Lakatos, E. S., Yong, G., Szilagyi, A., Clinci, D. S., Georgescu, L., Iticescu, C., & Cioca, L. I. (2021). Conceptualizing core aspects on circular economy in cities. *Sustainability (Switzerland)*, 13(14). <https://doi.org/10.3390/su13147549>
- Leyva, G. P., & Garcia, J. C. P. (2018). Proposal of a Measurement Scale of Decision Quality in Infrastructure Projects in Oil and Gas Exploitation. *European Scientific Journal, ESJ*, 14(7), 272. <https://doi.org/10.19044/esj.2018.v14n7p272>
- Liu, Q., Trevisan, A. H., Yang, M., & Mascarenhas, J. (2022). A framework of digital technologies for the circular economy: Digital functions and mechanisms. *Business Strategy and the Environment*, 31(5), 2171–2192. <https://doi.org/10.1002/bse.3015>
- Lord, J., & Hutchison, P. (1993). The Process of Empowerment: Implications for Theory and Practice. In *Canadian Journal of Community Mental Health* (Vol. 12).
- Luiz, _____, Martins, M., Luiz, A., Nascimento, A., & Filho, C. (n.d.). *The Brazilian Institutional Environment: The Impact on Companies' Strategies in the Oil and Gas Sector*. <http://ssrn.com/abstract=1915052> Electronic copy available at: <https://ssrn.com/abstract=1915052>
- Manavalan, E., & Jayakrishna, K. (2019). A review of Internet of Things (IoT) embedded sustainable supply chain for industry 4.0 requirements. *Computers and Industrial Engineering*, 127, 925–953. <https://doi.org/10.1016/j.cie.2018.11.030>
- Mariyam, S., Shahbaz, M., Al-Ansari, T., Mackey, H. R., & McKay, G. (2022). A critical review on co-gasification and co-pyrolysis for gas production. In *Renewable and Sustainable Energy Reviews* (Vol. 161). Elsevier Ltd. <https://doi.org/10.1016/j.rser.2022.112349>
- Masi, D., Kumar, V., Garza-Reyes, J. A., & Godsell, J. (2018). Towards a more circular economy: exploring the awareness, practices, and barriers from a focal firm perspective. *Production Planning and Control*, 29(6), 539–550. <https://doi.org/10.1080/09537287.2018.1449246>
- Mastos, T. D., Nizamis, A., Terzi, S., Gkortzis, D., Papadopoulos, A., Tsagkalidis, N., Ioannidis, D., Votis, K., & Tzovaras, D. (2021). Introducing an application of an industry 4.0 solution for circular supply chain management. *Journal of Cleaner Production*, 300. <https://doi.org/10.1016/j.jclepro.2021.126886>
- Mies, A., & Gold, S. (2021). Mapping the social dimension of the circular economy. In *Journal of Cleaner Production* (Vol. 321). Elsevier Ltd. <https://doi.org/10.1016/j.jclepro.2021.128960>

- Mingers, J., & Taylor, S. (1992). The Use of Soft Systems Methodology in Practice. In *Source: The Journal of the Operational Research Society* (Vol. 43, Issue 4). <https://about.jstor.org/terms>
- Moran, T. E., Gibbs, D. C., & Mernin, L. (1995). *THE EMPOWERMENT MODEL: TURNING BARRIERS INTO POSSIBILITIES*. Zimmerman.
- Morseletto, P. (2020). Restorative and regenerative: Exploring the concepts in the circular economy. *Journal of Industrial Ecology*, 24(4), 763–773. <https://doi.org/10.1111/jiec.12987>
- Ngan, S. L., How, B. S., Teng, S. Y., Promentilla, M. A. B., Yatim, P., Er, A. C., & Lam, H. L. (2019). Prioritization of sustainability indicators for promoting the circular economy: The case of developing countries. *Renewable and Sustainable Energy Reviews*, 111, 314–331. <https://doi.org/10.1016/j.rser.2019.05.001>
- Nogueira, L. A., Lindeløv, B., & Olsen, J. (2023). From waste to market: Exploring markets, institutions, and innovation ecosystems for waste valorization. *Business Strategy and the Environment*, 32(4), 2261–2274. <https://doi.org/10.1002/bse.3247>
- Nußholz, J. L. K. (2017). Circular business models: Defining a concept and framing an emerging research field. *Sustainability (Switzerland)*, 9(10). <https://doi.org/10.3390/su9101810>
- Okorie, O., Russell, J., Cherrington, R., Fisher, O., & Charnley, F. (2023). Digital transformation and the circular economy: Creating a competitive advantage from the transition towards Net Zero Manufacturing. *Resources, Conservation and Recycling*, 189. <https://doi.org/10.1016/j.resconrec.2022.106756>
- Omidi, M. R., Jafari Eskandari, & M., & O. N. (2022). 50004220220402.
- Omidi, M. R., Jafari Eskandari, M., Raissi, S., & Shojaei, A. A. (2019). Research Paper: Providing an Appropriate Prediction Model for Traffic Accidents: A Case Study on Accidents in Golestan, Mazandaran, Guilan, and Ardebil Provinces. *Health in Emergencies and Disasters Quarterly*, 4(3), 165–172. <https://doi.org/10.32598/hdq.4.3.165>
- Panes, P., Macariola, M. A., Niervo, C., Maghanoy, A. G., Garcia, K. P., & Ignacio, J. J. (2022). A bibliometric approach for analyzing the potential role of waste-derived nanoparticles in the upstream oil and gas industry. *Cleaner Engineering and Technology*, 8. <https://doi.org/10.1016/j.clet.2022.100468>
- Parida, V., Burström, T., Visnjic, I., & Wincent, J. (2019). Orchestrating industrial ecosystem in circular economy: A two-stage transformation model for large manufacturing companies. *Journal of Business Research*, 101, 715–725. <https://doi.org/10.1016/j.jbusres.2019.01.006>
- Piétron, D., Hofmann, F., & Jaeger-Erben, M. (2024). *The digital Circular Economy-Data policy for a comprehensive circular economy*. <https://doi.org/10.13140/RG.2.2.21215.64168>
- Pigg, K. E. (2002). Three Faces of Empowerment: Expanding the Theory of Empowerment in Community Development. *Journal of the Community Development Society*, 33(1), 107–123. <https://doi.org/10.1080/15575330209490145>

- Presley, A., Sarkis, J., & Liles, D. H. (2000). A Soft-Systems Methodology Approach for Product and Process Innovation. In *IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT* (Vol. 47, Issue 3).
- Preston, F., Lehne, J., & Wellesley, L. (2019). *An Inclusive Circular Economy Priorities for Developing Countries Research Paper An Inclusive Circular Economy: Priorities for Developing Countries*.
- Rahmandoust, A., Hafezalkotob, A., Rahmani Parchikolaie, B., & azizi, A. (2023). Government intervention in municipal waste collection with a sustainable approach: a robust bi-level problem. *Environment, Development and Sustainability*, 25(4), 3323–3351. <https://doi.org/10.1007/s10668-022-02181-1>
- Rajput, S., & Singh, S. P. (2020). Industry 4.0 Model for circular economy and cleaner production. *Journal of Cleaner Production*, 277. <https://doi.org/10.1016/j.jclepro.2020.123853>
- Rappaport, J. (1981). In Praise of Paradox: A Social Policy of Empowerment Over Prevention 1~2. In *American Journal of Community Psychology* (Vol. 9, Issue 1).
- Reynolds, M., & Holwell, S. (2010). Systems approaches to managing change: A practical guide. In *Systems Approaches to Managing Change: A Practical Guide*. Springer London. <https://doi.org/10.1007/978-1-84882-809-4>
- Sargeant, J. (2012). Qualitative Research Part II: Participants, Analysis, and Quality Assurance. *Journal of Graduate Medical Education*, 4(1), 1–3. <https://doi.org/10.4300/jgme-d-11-00307.1>
- Scarnati, J. T., & Scarnati, B. J. (2002). Empowerment: The key to quality. *TQM Magazine*, 14(2), 110–119. <https://doi.org/10.1108/09544780210416720>
- Schallmo, D., Williams, C. A., & Boardman, L. (2017). Digital transformation of business models-best practice, enablers, and roadmap. In *International Journal of Innovation Management* (Vol. 21, Issue 8). World Scientific Publishing Co. Pte Ltd. <https://doi.org/10.1142/S136391961740014X>
- Sharma, M., Joshi, S., Prasad, M., & Bartwal, S. (2023). Overcoming barriers to circular economy implementation in the oil & gas industry: Environmental and social implications. *Journal of Cleaner Production*, 391. <https://doi.org/10.1016/j.jclepro.2023.136133>
- Singh, J., Sung, K., Cooper, T., West, K., & Mont, O. (2019). Challenges and opportunities for scaling up upcycling businesses – The case of textile and wood upcycling businesses in the UK. *Resources, Conservation and Recycling*, 150. <https://doi.org/10.1016/j.resconrec.2019.104439>
- SOFT SYSTEM METHODOLOGY*. (n.d.).
- Stanes, E., & Gibson, C. (2017). Materials that linger: An embodied geography of polyester clothes. *Geoforum*, 85, 27–36. <https://doi.org/10.1016/j.geoforum.2017.07.006>
- Strée, B., Witomski, A., Stein, N., Ramesohl, S., & Vrancken, K. (n.d.). *Digital circular economy a cornerstone of a sustainable European industry transformation Digital circular economy as a cornerstone of a sustainable European industry transformation*.

- Tengland, P. A. (2008). Empowerment: A conceptual discussion. *Health Care Analysis*, 16(2), 77–96. <https://doi.org/10.1007/s10728-007-0067-3>
- The Sustainable Development Goals Report*. (n.d.).
- Tie, M., Qin, M., Song, Q., & Qi, Y. (2020). Why does the behavior of local government leaders in low-carbon city pilots influence policy innovation? *Resources, Conservation and Recycling*, 152. <https://doi.org/10.1016/j.resconrec.2019.104483>
- Torring, J., & Ansell, C. (2017). Strengthening political leadership and policy innovation through the expansion of collaborative forms of governance. *Public Management Review*, 19(1), 37–54. <https://doi.org/10.1080/14719037.2016.1200662>
- Türkeli, S., & Schophuizen, M. (2019). Decomposing the complexity of value: Integration of digital transformation of education with circular economy transition. *Social Sciences*, 8(8). <https://doi.org/10.3390/socsci8080243>
- Tushar, S. I., Mandal, S., Chowdhury, I. Z., Petrova, A., Boorady, L. M., & Agnew, R. J. (2025). Thermal Protective Performance of Oil and Gas Field Workers' Clothing: A Review. *Fire Technology*. <https://doi.org/10.1007/s10694-025-01714-0>
- Urbinati, A., Chiaroni, D., & Chiesa, V. (2017). Towards a new taxonomy of circular economy business models. *Journal of Cleaner Production*, 168, 487–498. <https://doi.org/10.1016/j.jclepro.2017.09.047>
- Vazhenina, L., Magaril, E., & Mayburov, I. (2023). Digital Management of Resource Efficiency of Fuel and Energy Companies in a Circular Economy. *Energies*, 16(8). <https://doi.org/10.3390/en16083498>
- Velenturf, A. P. M. (2021). A framework and baseline for the integration of a sustainable circular economy in offshore wind. In *Energies* (Vol. 14, Issue 17). MDPI. <https://doi.org/10.3390/en14175540>
- Vial, G. (2019). *JOURNAL OF STRATEGIC INFORMATION SYSTEMS REVIEW*
Manuscript title: Understanding digital transformation: A review and a research agenda.
- Waly, M. M., Mickovski, S. B., & Thomson, C. (2023). Application of Circular Economy in Oil and Gas Produced Water Treatment. *Sustainability (Switzerland)*, 15(3). <https://doi.org/10.3390/su15032132>
- Wang, J., & Azam, W. (2024). Natural resource scarcity, fossil fuel energy consumption, and total greenhouse gas emissions in top emitting countries. *Geoscience Frontiers*, 15(2). <https://doi.org/10.1016/j.gsf.2023.101757>
- Warner, K. S. R., & Wäger, M. (2019). Building dynamic capabilities for digital transformation: An ongoing process of strategic renewal. *Long Range Planning*, 52(3), 326–349. <https://doi.org/10.1016/j.lrp.2018.12.001>
- World energy outlook 2008*. (2008). OECD Publishing.
- Wynn, M., & Jones, P. (2022). Wynn & Jones. *Sustainability (Switzerland)*, 14(15). <https://doi.org/10.3390/su14159077>
- Yin, & Robert K. (n.d.). *Qualitative Research from Start to Finish*.
- Yukl, G. A., & Becker, W. S. (2006). Effective Empowerment in Organizations. *Organization Management Journal Linking Theory & Practice: EAM White Papers Series*, 3(3), 210–231. www.omj-online.org

- Zhang, L., & Wang, J. (2023). Intelligent safe operation and maintenance of oil and gas production systems: Connotations and key technologies. *Natural Gas Industry B*, 10(3), 293–303. <https://doi.org/10.1016/j.ngib.2023.05.006>
- Zhou, L., Naim, M. M., & Wang, Y. (2007). Soft systems analysis of reverse logistics battery recycling in China. *International Journal of Logistics Research and Applications*, 10(1), 57–70. <https://doi.org/10.1080/13675560600717847>
- Zhu, Y., & Xiao, D. (2015). Policy entrepreneur and social policy innovation in China. *Journal of Chinese Sociology*, 2(1). <https://doi.org/10.1186/s40711-015-0012-z>
- Ziabina, Y., & Acheampong, S. (2023). Financial Component of the Waste Management System. *Financial Markets, Institutions and Risks*, 7(2), 46–55. [https://doi.org/10.21272/fmir.7\(2\).46-55.2023](https://doi.org/10.21272/fmir.7(2).46-55.2023)