

DAFTAR PUSTAKA

- Abeler, J., Nosenzo, *Self-Selection into Economics Experiments Is Driven by Monetary Rewards* / IZA - Institute of Labor Economics, 2015, <https://www.iza.org/publications/dp/7374/self-selection-into-economics-experiments-is-driven-by-monetary-rewards> online accessed on 5 Jan 2024.
- Ajzen, I., 1985, From Intentions to Actions: A Theory of Planned Behavior, *Action Control*, pp. 11–39. https://doi.org/10.1007/978-3-642-69746-3_2
- Ajzen, I., (2005)., *Attitudes, personality, and behavior (2nd ed.)*. Milton-Keynes Open University Press/McGraw-Hill. - References - Scientific Research Publishing, <https://scirp.org/reference/referencespapers?referenceid=775863> online accessed on 3 Jan 2024.
- Ajzen, I., Fishbein, M.A., 1975, *Belief, attitude, intention and behaviour: An introduction to theory and research*, t.t. Diambil 29 Januari 2024, dari https://www.researchgate.net/publication/233897090_Belief_attitude_intention_and_behaviour_An_introduction_to_theory_and_research online accessed on 3 Jan 2024.
- Akpan, I. J., & Brooks, R. J., 2014, Experimental evaluation of user performance on two-dimensional and three-dimensional perspective displays in discrete-event simulation, *Decision Support Systems*, vol. 64, pp. 14–30. <https://doi.org/10.1016/J.DSS.2014.04.002>.
- Antonelli, D., Litwin, P., & Stadnicka, D., 2018, Multiple System Dynamics and Discrete Event Simulation for manufacturing system performance evaluation, *Procedia CIRP*, vol. 78, pp. 178–183. <https://doi.org/10.1016/J.PROCIR.2018.08.312>.
- Athanassopoulos, A. D., 1998, Decision Support for Target-Based Resource Allocation of Public Services in Multiunit and Multilevel Systems, *Science*, vol. 44, no.2, pp. 173–187.
- Balci, O., 1994, Validation, verification, and testing techniques throughout the life cycle of a simulation study, *Annals of Operations Research*, vol. 53, no.1. <https://doi.org/10.1007/BF02136828>.
- Balci, O., Nance, R. E., Arthur, J. D., & Ormsby, W. F., 2002, Expanding our horizons in verification, validation, and accreditation research and practice, *Winter Simulation Conference Proceedings*, vol. 1, pp. 653–663. <https://doi.org/10.1109/WSC.2002.1172944>.
- Bankes, S., 1993, Exploratory Modeling for Policy Analysis, *Operations Research*, vol. 41, no.3. <https://doi.org/10.1287/opre.41.3.435>.
- Bankes, S., 1998, Policy analysis for complex and uncertain systems through computational experiments, *IEEE Aerospace Conference Proceedings*, vol. 1. <https://doi.org/10.1109/AERO.1998.686669>.
- Berro, J., 2018, “Essentially, all models are wrong, but some are useful”—a cross-disciplinary agenda for building useful models in cell biology and biophysics, *Biophysical Reviews*, vol. 10, no.6, pp. 1637–1647. <https://doi.org/10.1007/S12551-018-0478-4/FIGURES/2>.

- Brailsford, S., & Hilton, N., 2001, *A Comparison of Discrete Event Simulation and System Dynamics for Modelling Healthcare Systems*.
- Brooks, R. J., & Tobias, A. M., 1996, Choosing the best model: Level of detail, complexity, and model performance, *Mathematical and Computer Modelling*, vol. 24, no.4. [https://doi.org/10.1016/0895-7177\(96\)00103-3](https://doi.org/10.1016/0895-7177(96)00103-3).
- Bryman A., 2012, *Social research methods*. 4th edition, Oxford: Oxford University Press.
- Byrkit, D.R., 1987, *Statistics Today: A Comprehensive Introduction*. Benjamin/Cummings Publ. Co.
- Castaño, Y. Á., 1999, Dynamic Behavior of NPD, *Proceedings of the 17th International Conference of the System Dynamics Society and 5th Australian & New Zealand Systems Conference*.
- Chussil, M., 2005, With all this intelligence, why don't we have better strategies?, *Journal of Business Strategy*, vol. 26, no.1. <https://doi.org/10.1108/02756660510575023>.
- Cohen, J., 1988, *Statistical Power Analysis for the Behavioral Sciences Second Edition*.
- de Gooyert, V., Rouwette, E., van Kranenburg, H., & Freeman, E., 2017, Reviewing the role of stakeholders in Operational Research: A stakeholder theory perspective, *Dalam European Journal of Operational Research* (Vol. 262, Nomor 2). <https://doi.org/10.1016/j.ejor.2017.03.079>.
- Dutton, J. M., & Walton, R. E., 1964, Operational Research and the Behavioural Sciences, *OR*, vol. 15, no.3, pp. 207. <https://doi.org/10.2307/3007208>.
- Enk, H., Kkerm, A. A., & Ennixb, J. A. M. V., 1997, *Clients' opinions on group model-building: an exploratory study*.
- Franco, L. A., & Hämmäläinen, R. P., 2016, Behavioural operational research: Returning to the roots of the or profession, *Dalam European Journal of Operational Research* (Vol. 249, Nomor 3). <https://doi.org/10.1016/j.ejor.2015.10.034>.
- Gass, S. I., 1983, DECISION-AIDING MODELS: VALIDATION, ASSESSMENT, AND RELATED ISSUES FOR POLICY ANALYSIS., *Operations Research*, vol. 31, no.4. <https://doi.org/10.1287/opre.31.4.603>.
- Gogi, A., 2016, *Insight generation in simulation studies: an empirical exploration*.
- Goldberg, J., Dietrich, R., Chen, J. M., Mitwasi, M., Valenzuela, T., & Criss, E., 1990, A simulation model for evaluating a set of emergency vehicle base locations: Development, validation, and usage, *Socio-Economic Planning Sciences*, vol. 24, no.2. [https://doi.org/10.1016/0038-0121\(90\)90017-2](https://doi.org/10.1016/0038-0121(90)90017-2).
- Groesser, S. N., & Schwaninger, M., 2012, Contributions to model validation: Hierarchy, process, and cessation, *System Dynamics Review*, vol. 28, no.2. <https://doi.org/10.1002/sdr.1466>.
- Guest, G., Bunce, A., & Johnson, L., 2006, How Many Interviews Are Enough?, *Field Methods*, vol. 18, no.1. <https://doi.org/10.1177/1525822x05279903>
- Guidelines for Model Evaluation / U.S. GAO*, 1979, <https://www.gao.gov/products/pad-79-17> online accessed on 28 Des 2023.

- Hahn, H. A., 2013, The conundrum of verification and validation of social science-based models, *Procedia Computer Science*, vol. 16. <https://doi.org/10.1016/j.procs.2013.01.092>.
- Hämäläinen, R. P., Luoma, J., & Saarinen, E., 2013, On the importance of behavioral operational research: The case of understanding and communicating about dynamic systems, *European Journal of Operational Research*, vol. 228, no.3. <https://doi.org/10.1016/j.ejor.2013.02.001>.
- Harper, A., Mustafee, N., & Yearworth, M., 2021, Facets of trust in simulation studies, *European Journal of Operational Research*, vol. 289, no.1. <https://doi.org/10.1016/j.ejor.2020.06.043>.
- Hodges, J. S., 1991, Six (Or So) Things You Can Do with a Bad Model, *Operations Research*, vol. 39, no.3. <https://doi.org/10.1287/opre.39.3.355>.
- Hodges, J. S., & Dewar, J. A., 1992, *Is It You or Your Model Talking?: A Framework for Model Validation*. <https://www.rand.org/pubs/reports/R4114.html>.
- Holmdahl, I., & Buckee, C., 2020, Wrong but Useful — What Covid-19 Epidemiologic Models Can and Cannot Tell Us, *New England Journal of Medicine*, vol. 383, no.4, pp. 303–305. https://doi.org/10.1056/NEJMP2016822/SUPPL_FILE/NEJMP2016822_DISCLOSURES.PDF.
- Jessop, A., 2002, Exploring structure: A blockmodel approach, *Civil Engineering and Environmental Systems*, vol. 19, no.4. <https://doi.org/10.1080/10286600215048>.
- Kleijnen, J. P. C., 1995, Statistical validation of simulation models, *European Journal of Operational Research*, vol. 87, no.1. [https://doi.org/10.1016/0377-2217\(95\)00132-A](https://doi.org/10.1016/0377-2217(95)00132-A).
- Kolkman, D. A., Campo, P., Balke-Visser, T., & Gilbert, N., 2016, How to build models for government: criteria driving model acceptance in policymaking, *Policy Sciences*, vol. 49, no.4. <https://doi.org/10.1007/s11077-016-9250-4>.
- Landry, M., Malouin, J. L., & Oral, M., 1983, Model validation in operations research, Dalam *European Journal of Operational Research* (Vol. 14, Nomor 3). [https://doi.org/10.1016/0377-2217\(83\)90257-6](https://doi.org/10.1016/0377-2217(83)90257-6).
- Leskens, J. G., Brugnach, M., Hoekstra, A. Y., & Schuurmans, W., 2014, Why are decisions in flood disaster management so poorly supported by information from flood models?, *Environmental Modelling and Software*, vol. 53. <https://doi.org/10.1016/j.envsoft.2013.11.003>.
- Maidstone, R., 2012, *Discrete Event Simulation, System Dynamics and Agent Based Simulation: Discussion and Comparison*.
- Mcgrath, K., & Gaziano, C., 1986, Measuring the Concept of Credibility, *Journalism & Mass Communication Quarterly*, vol. 63, no.3, pp. 451–462. <https://doi.org/10.1177/107769908606300301>.
- Mens, T., & Van Gorp, P., 2006, A taxonomy of model transformation, *Electronic Notes in Theoretical Computer Science*, vol. 152, no.1–2, pp. 125–142. <https://doi.org/10.1016/J.ENTCS.2005.10.021>.

- Michiels, S., & Delaloge, S., 2018, All simulation models of breast cancer are wrong but some are useful, *The Lancet. Global health*, vol. 6, no.8, pp. e818–e819. [https://doi.org/10.1016/S2214-109X\(18\)30273-0](https://doi.org/10.1016/S2214-109X(18)30273-0).
- Miser, H. J., 1993, A foundational concept of science appropriate for validation in operational research, *European Journal of Operational Research*, vol. 66, no.2. [https://doi.org/10.1016/0377-2217\(93\)90313-C](https://doi.org/10.1016/0377-2217(93)90313-C).
- Montgomery, D.C., 2011, *Applied Statistics and Probability For Engineers*, John Wiley & Sons, Inc, New York.
- Monks, T., 2011, *Comparing model reuse with model building : an empirical study of learning from simulation*.
<http://webcat.warwick.ac.uk/record=b2665902~S1>.
- Monks, T., Robinson, S., & Kotiadis, K., 2016, Can involving clients in simulation studies help them solve their future problems? A transfer of learning experiment, *European Journal of Operational Research*, vol. 249, no.3. <https://doi.org/10.1016/j.ejor.2015.08.037>.
- Nugroho, M. A., Dharmastiti, R., & Arini, H. M., 2021, The Effect of Gain-Loss Framing Information on Risk Attitude during Coronavirus Disease (COVID-19) Pandemic, *Proceeding of International Conference on Science, Health, And Technology*, pp. 311–317. <https://doi.org/10.47701/ICOHETECH.VIII.1148>.
- Ogden, J., 2016, Celebrating variability and a call to limit systematisation: the example of the Behaviour Change Technique Taxonomy and the Behaviour Change Wheel, *Health Psychology Review*, vol. 10, no.3. <https://doi.org/10.1080/17437199.2016.1190291>.
- Churchman, 1970, *Operations Research as a Profession on JSTOR*, <https://www-jstor-org.ezproxy.ugm.ac.id/stable/2629214> online accessed on 3 Jan 2024.
- Oral, M., & Kettani, O., 1993, The facets of the modeling and validation process in operations research, *European Journal of Operational Research*, vol. 66, no.2. [https://doi.org/10.1016/0377-2217\(93\)90314-D](https://doi.org/10.1016/0377-2217(93)90314-D).
- Ormerod, R. J., 2018, The logic and methods of OR consulting practice: towards a foundational view, *Journal of the Operational Research Society*, vol. 69, no.9. <https://doi.org/10.1080/01605682.2017.1392407>.
- P Box Norman, R. Draper John Wüey, G. E., & New York Glichester Brisbane Toronto Singapore, S., 1987, *Empirical Model-Building and Response Surfaces*.
- Pala, Ö., Vennix, J. a M., & Kleijnen, J. P. C., 1999, Validation in Soft OR, Hard OR and System Dynamics: A Critical Comparison and Contribution to the Debate, *The 17th International Conference of The System Dynamics Society*.
- Pengembangan Model Sistem Dinamik Untuk Mendukung Program Swasembada Daging Sapi Nasional (Studi Kasus: Jawa Timur) The Development Of System Dynamics Model To Support National Beef Self Sufficiency Program (Case Study: East Java)*, 2018.
- Petty, R. E., Briñol, P., & Tormala, Z. L., 2002, Thought confidence as a determinant of persuasion: The self-validation hypothesis., *Journal of Personality and Social Psychology*, vol. 82, no.5, pp. 722–741. <https://doi.org/10.1037//0022-3514.82.5.722>.

- Pidd, M., 2010, Why modelling and model use matter *Journal of the Operational Research Society*, vol. 61(1), pp.14–24.
- Pike, D. J., Box, G. E. P., & Draper, N. R., 1988, Empirical Model-Building and Response Surfaces., *Journal of the Royal Statistical Society. Series A (Statistics in Society)*, vol. 151, no.1. <https://doi.org/10.2307/2982196>.
- Ranyard, J. C., Fildes, R., & Hu, T.-I., t.t., *Reassessing the Scope of OR Practice: the Influences of Problem Structuring Methods and the Analytics Movement.*, <http://www.lums.lancs.ac.uk/publications> online accessed on 3 Jan 2024.
- Robinson, S., 1997, Simulation model verification and validation: Increasing the users’ confidence, *Winter Simulation Conference Proceedings*.
- Robinson, S., 1999, Three sources of simulation inaccuracy (and how to overcome them), *Winter Simulation Conference Proceedings*, vol. 2. <https://doi.org/10.1145/324898.325367>.
- Robinson, S., 2010., *Why Modelling and Model Use Matter on JSTOR*, 2004, <https://www.jstor.org/stable/40540224> online accessed on 9 Jan 2024.
- Robinson, S., 2014., *Simulation : The Practice of Model Development and Use*.
- Robinson, S., 2016, A tutorial on conceptual modeling for simulation, *Proceedings - Winter Simulation Conference*, vol. 2016-February, pp. 1820–1834. <https://doi.org/10.1109/WSC.2015.7408298>.
- Robinson, S., & Pidd, M., 1998, Provider and customer expectations of successful simulation projects, *Journal of the Operational Research Society*, vol. 49, no.3. <https://doi.org/10.1057/palgrave.jors.2600516>.
- Robson, C., & McCartan, K., 2016, Real world research, 4th Edition, Wiley, London, *Real World Research*.
- Roosenschoon, O., Reis, S., Turnpenney, J., Adele, C., Jacob, K., Wascher, D., Weiland, S., Helming, K., Podhora, A., & Wien, J. E., 2012, Bridging the gap between modellers and model users, why does this gap exist and what can we do about it?, *iEMSs 2012 - Managing Resources of a Limited Planet: Proceedings of the 6th Biennial Meeting of the International Environmental Modelling and Software Society*.
- Salt, J. D., 2008, The seven habits of highly defective simulation projects, *Journal of Simulation*, vol. 2, no.3. <https://doi.org/10.1057/jos.2008.7>.
- Sargent, R. G., 2001, Some approaches and paradigms for verifying and validating simulation models, *Winter Simulation Conference Proceedings*, vol. 1. <https://doi.org/10.1109/wsc.2001.977251>.
- Sargent, R. G., 2013, Verification and validation of simulation models, *Journal of Simulation*, vol. 7, no.1. <https://doi.org/10.1057/jos.2012.20>.
- Smith, J. H., 1993, Modeling muddles: Validation beyond the numbers, *European Journal of Operational Research*, vol. 66, no.2. [https://doi.org/10.1016/0377-2217\(93\)90315-E](https://doi.org/10.1016/0377-2217(93)90315-E).
- Sopha, B. M., & Sakti, S., 2021a, Pemodelan Dan Simulasi Berbasis Agen Untuk Sistem Kompleks Sosio-Teknikal, Dalam *Reka Integra*.
- Sterman, J., 2000, *Business Dynamics, System Thinking and Modeling for a Complex World*, https://www.researchgate.net/publication/44827001_Business_Dynamics_Sy

- stem_Thinking_and_Modeling_for_a_Complex_World online accessed on 3 Jan 2024.
- Sullivan, G. M., & Feinn, R., 2012, Using Effect Size—or Why the P Value Is Not Enough, *Journal of Graduate Medical Education*, vol. 4, no.3, pp. 279. <https://doi.org/10.4300/JGME-D-12-00156.1>.
- Tako, A. A., & Robinson, S., 2009, Comparing discrete-event simulation and system dynamics: Users’ perceptions, *Journal of the Operational Research Society*, vol. 60, no.3. <https://doi.org/10.1057/palgrave.jors.2602566>.
- Tako, A. A., Tsiptsias, N., & Robinson, S., 2020, Can we learn from simplified simulation models? An experimental study on user learning, *Journal of Simulation*, vol. 14, no.2. <https://doi.org/10.1080/17477778.2019.1704636>.
- Tako, A., & Robinson, S., 2014, An empirical study comparing model development in discrete-event simulation and system dynamics, Dalam *Discrete-Event Simulation and System Dynamics for Management Decision Making* (Vol. 9781118349021). <https://doi.org/10.1002/9781118762745.ch08>.
- Thacker, B. H., Doebeling, S. W., Hemez, F. M., Anderson, M. C., Pepin, J. E., & Rodriguez, E. A., 2004, *Concepts of Model Verification and Validation*. <https://doi.org/10.2172/835920>.
- Tsiptsias, N., 2022, *Can we learn from “wrong” models? A study of the characteristics and use of “wrong” simulation models*. <https://doi.org/10.26174/THESIS.LBORO.17429648.V1>.
- Tsiptsias, N., Tako, A. A., & Robinson, S., 2023, Are “wrong” models useful? A qualitative study of discrete event simulation modeller stories, *Journal of Simulation*, vol. 17, no.5, pp. 594–606., <https://doi.org/10.1080/17477778.2022.2108736>.
- Tsiptsias, N., Tako, A., & Robinson, S., 2016, Model validation and testing in simulation: A literature review, *OpenAccess Series in Informatics*, vol. 50. <https://doi.org/10.4230/OASIS.SCOR.2016.6>.
- Tsiptsias, N., Tako, A., & Robinson, S., 2018, *Can we learn from wrong simulation models? A preliminary experimental study on user learning*. /articles/conference_contribution/Can_we_learn_from_wrong_simulation_models_A_preliminary_experimental_study_on_user_learning/9499517/1.
- Tsiptsias, N., Tako, A., & Robinson, S., 2021, An exploratory study on the uses of “wrong” discrete event simulation models in practice, *Operational Research Society 10th Simulation Workshop, SW 2021 - Proceedings*. <https://doi.org/10.36819/SW21.018>.
- Vennix A., M., J., 1999, Group model-building: tackling messy problems, *System Dynamics Review*, vol. 15, no.4.
- Wahlström, B., 1994, Models, modelling and modellers: an application to risk analysis, *European Journal of Operational Research*, vol. 75, no.3. [https://doi.org/10.1016/0377-2217\(94\)90290-9](https://doi.org/10.1016/0377-2217(94)90290-9).
- Webb, T. L., & Sheeran, P., 2006, Does changing behavioral intentions engender behavior change? A meta-analysis of the experimental evidence, *Psychological Bulletin*, vol. 132, no.2. <https://doi.org/10.1037/0033-2909.132.2.249>.

Wolstenholme, E., 1991, System enquiry: A system dynamics approach,
European Journal of Operational Research,
https://www.academia.edu/24958462/System_enquiry_A_system_dynamics_approach online accessed on 9 Jan 2024.