

## DAFTAR PUSTAKA

- Alfatiyah, Rini. 2017. Analisis Manajemen Risiko Keselamatan dan Kesehatan Kerja dengan Menggunakan Metode HIRARC pada Pekerjaan Seksi Casting. *Jurnal Mesin Teknologi (SINTEK Jurnal)*, Vol. 11(2): 88-101.
- Anizar. 2009. *Teknik Keselamatan dan Kesehatan Kerja di Industri*. Yogyakarta: Graha Ilmu.
- Australian Standard/New Zealand. 2004. *Handbook Risk Management Guidelines companion to AS/NZS 4360: 2004*. Sydney and Wellington. Author.
- Balaraju, J., Raj, M. G., & Murthy, C. S. 2019. Fuzzy-FMEA risk evaluation approach for LHD machine—A case study. *Journal of Sustainable Mining*, 18(4): 257-268. <https://doi.org/10.1016/j.jsm.2019.08.002>.
- Bowles, J. 2004. An assessment of RPN prioritization in a failure modes effects and criticality analysis. *Journal of the IEST*, 47(1), 51-56.
- Braglia, M., Frosolini, M., & Montanari, R. 2003. Fuzzy Criticality Assessment Model for Failure Modes and Effects Analysis. *Jurnal International Journal of Quality & Reliability Management*, 20(4): 503-524. <https://doi.org/10.1108/02656710310468687>.
- Budiawan, W., Ulfa, E. A., & Andarani, P. 2016. Analisis Hubungan Kebisingan Mesin dengan Stres Kerja (Studi Kasus: Mesin Two For One Twister (TFO) PT. XYZ). *Jurnal Presipitasi: Media Komunikasi dan Pengembangan Teknik Lingkungan*, 13(1), 1-7.
- Carlson, C. S. 2012. *Effective FMEAs: Achieving Safe, Reliable, and Economical Products and Processes using Failure Mode and Effects Analysis*. John Wiley & Sons. Hoboken.
- Chandrakar, R., Srivastav, S., Babhulkar, V., Gupta, S., Agrawal, S., Jaiswal, A., ... & Agarwal, S. 2023. The Need for Action: Addressing Inhalant Abuse and Whitener Addiction Among Adolescents. *Cureus*, Vol. 15(6): 1-8. DOI: <https://doi.org/10.7759/cureus.40339>.

- Chang, K. H., Chang, Y. C., & Tsai, I. T. 2013. Enhancing FMEA Assessment by Integrating Grey Relational Analysis and the Decision-Making Trial and Evaluation Laboratory Approach. *Engineering Failure Analysis*, 31(2013): 211-224. DOI: <https://doi.org/10.1016/j.engfailanal.2013.02.020>.
- Chang, K. H., & Cheng, C. H. 2010. A Risk Assessment Methodology Using Intuitionistic Fuzzy Set in FMEA. *International Journal of Systems Science*, 41(12): 1457-1471. DOI: <https://doi.org/10.1080/00207720903353633>.
- Chanamool, N., & Naenna, T. 2016. Fuzzy FMEA Application to Improve Decision-Making Process in an Emergency Department. *Applied Soft Computing*, 43 (2016): 441-453. DOI: <https://doi.org/10.1016/j.asoc.2016.01.007>.
- Chin, K. S., Chan, A., & Yang, J. B. 2008. Development of a fuzzy FMEA based product design system. *The International Journal of Advanced Manufacturing Technology*, 36, 633-649. DOI: <https://doi.org/10.1007/s00170-006-0898-3>.
- Department of Occupational Safety and Health Ministry of Human Resource Malaysia. 2008. *Guidelines for Hazard Identification, Risk Assessment and Risk Control (HIRARC)*.
- Ekmekçioğlu, M., & Kutlu, A. C. 2012. A fuzzy hybrid approach for fuzzy process FMEA: An application to a spindle manufacturing process. *International Journal of Computational Intelligence Systems*, 5(4), 611-626. DOI: <https://doi.org/10.1080/18756891.2012.718104>.
- Feder, K., Michaud, D., McNamee, J., Fitzpatrick, E., Davies, H., & Leroux, T. 2017. Prevalence of hazardous occupational noise exposure, hearing loss, and hearing protection usage among a representative sample of working Canadians. *Journal of occupational and environmental medicine*, 59(1): 92-113. DOI: <https://doi.org/10.1097%2FJOM.0000000000000920>.
- Fibriayora, A. A. I. D., Gandhiadi, G. K., Tastrawati, N. K. T., & Kencana, E. N. 2019. Application of Mamdani Fuzzy Method to Determine Round Bread Production at PT Vanessa Bakery. *E-Jurnal Matematika*, 8(3), 204-10. DOI: <https://doi.org/10.24843/MTK.2019.v08.i03.p254>

- Godina, R., Silva, B. G. R., & Espadinha-Cruz, P. 2021. A DMAIC integrated fuzzy FMEA model: a case study in the Automotive Industry. *Applied sciences*, 11(8), 3726. DOI: <https://doi.org/10.3390/app11083726>.
- Halimah, S. (2010). Faktor-faktor yang mempengaruhi perilaku aman karyawan di PT SIM Plant Tambun II tahun 2010.
- Hayati, M., & Abroshan, M. R. 2017. Risk assessment using fuzzy FMEA (case study: Tehran subway tunneling operations). *Indian Journal of Science and Technology*, 10(9), 1-9. DOI: 10.17485/ijst/2017/v10i9/110157.
- Hughes, P., Ferrett, E. 2010. *Introduction to International Health and Safety at Work*. Taylor & Francis. Netherlands.
- Kim, J. W., Yang, S., Chung, I., & Lee, M. Y. 2019. The effect of earplug training on noise protection. *Annals of Occupational and Environmental Medicine*, 31(1). DOI: <https://doi.org/10.35371/aoem.2019.31.e34>.
- Kumru, M., & Kumru, P. Y. 2013. Fuzzy FMEA Application to Improve Purchasing Process in a Public Hospital. *Applied soft computing*, 13(1): 721-733. DOI: <https://doi.org/10.1016/j.asoc.2012.08.007>.
- Kurnianto, M. F., Kusnadi, K., & Azizah, F. N. 2022. Usulan Perbaikan Risiko Kecelakaan Kerja dengan Metode *Failure Mode and Effect Analysis* (FMEA) dan *Fishbone* Diagram. *SELAPARANG: Jurnal Pengabdian Masyarakat Berkemajuan*, 6(1): 18-23. DOI: <https://doi.org/10.31764/jpmb.v6i1.6627>.
- Liu, H. C., Liu, L., Liu, N., & Mao, L. X. 2012. Risk Evaluation in Failure Mode and Effects Analysis with Extended VIKOR Method Under Fuzzy Environment. *Expert Systems with Applications*, 39(17): 12926-12934. DOI: <https://doi.org/10.1016/j.eswa.2012.05.031>.
- Ma, Y., Kaveh, D., Prasanna, E., An, L., James, M., dan Ashantha, G. 2019. Creating a Hierarchy of Hazard Control for Urban Stormwater Management. *Environmental Pollution*, 255(2019): 113217. <https://doi.org/10.1016/j.envpol.2019.113217>.
- Mangkunegara, A. A. 2011. *Manajemen Sumber Daya Manusia Perusahaan*. Bandung: Rosda.

- McDermott, R. E., Mikulak, R. J., & Michael, R. B. 2008. *The Basics of FMEA*. CRC Press. Boca Raton.
- Meng Tay, K., & Peng Lim, C. 2006. Fuzzy FMEA with a guided rules reduction system for prioritization of failures. *International journal of quality & reliability management*, 23(8): 1047-1066. DOI: <https://doi.org/10.1108/02656710610688202>.
- Nilsen, T., & Aven, T. 2003. Models and Model Uncertainty in the Context of Risk Analysis. *Reliability Engineering & System Safety*, 79(3): 309-317. DOI: [https://doi.org/10.1016/S0951-8320\(02\)00239-9](https://doi.org/10.1016/S0951-8320(02)00239-9).
- Noviyanti, L., Tualeka, A. R., & Ardianto, Y. D. 2018. A correlation analysis of factor causing occupational accident with the unsafe behavior of welding workers of division of commercial ships, PT. PAL Indonesia (Persero) Surabaya. *Indian Journal of Public Health Research & Development*, 9(5), 12-16.
- Nuchpho, P., Nansaarng, S., & Pongpullponsak, A. 2014. Risk Assessment in the Organization by Using FMEA Innovation: A Literature Review. *Proceedings of the 7th International Conference on Educational Reform (ICER 2014). Innovations and Good Practices in Education: Global Perspectives* (pp. 781-789).
- OHSAS 18001: 2007 Tentang Sistem Manajemen Keselamatan dan Kesehatan Kerja.
- Pusadan, M. Y. 2015. *Pemrograman MATLAB pada Sistem Pakar Fuzzy: Kasus: Mengukur dan Menentukan suatu Kinerja*. Sleman: Deepublish.
- Pillay, A., & Wang, J. 2003. Modified Failure Mode and Effects Analysis Using Approximate Reasoning. *Reliability Engineering & System Safety*, Vol. 79(1): 69-85. DOI: [https://doi.org/10.1016/S0951-8320\(02\)00179-5](https://doi.org/10.1016/S0951-8320(02)00179-5).
- Putri, S. N., & Saputro, D. R. S. 2021. Construction fuzzy logic with curve shoulder in inference system mamdani. *Journal of Physics: Conference Series* (Vol. 1776, No. 1, p. 012060). IOP Publishing. DOI: 10.1088/1742-6596/1776/1/012060.
- Rafie, M., & Namin, F. S. 2015. Prediction of Subsidence Risk by FMEA Using Artificial Neural Network and Fuzzy Inference System. *International Journal of*

- Mining Science and Technology*, 25(4): 655-663. DOI: <https://doi.org/10.1016/j.ijmst.2015.05.021>.
- Savino, M. M., Brun, A., & Riccio, C. 2011. Integrated system for maintenance and safety management through FMECA principles and fuzzy inference engine. *European Journal of Industrial Engineering*, 5(2), 132-169. DOI: <https://doi.org/10.1504/EJIE.2011.03987>.
- Sharma, R. K., Kumar, D., & Kumar, P. 2005. Systematic Failure Mode Effect Analysis (FMEA) Using Fuzzy Linguistic Modeling. *International journal of quality & reliability management*, 22(9): 986-1004. DOI: <https://doi.org/10.1108/02656710510625248>.
- Silva, M. M., de Gusmão, A. P. H., Poletto, T., e Silva, L. C., & Costa, A. P. C. S. 2014. A multidimensional approach to information security risk management using FMEA and fuzzy theory. *International Journal of Information Management*, 34(6), 733-740. DOI: <https://doi.org/10.1016/j.ijinfomgt.2014.07.005>.
- Soltanali, H., Rohani, A., Tabasizadeh, M., Abbaspour-Fard, M. H., & Parida, A. 2020. An improved fuzzy inference system-based risk analysis approach with application to automotive production line. *Neural Computing and Applications*, 32, 10573-10591. DOI: <https://doi.org/10.1007/s00521-019-04593-z>.
- Soltanifar, Mehrdad. 2022. *ISO 45001 Implementation How to Become an Occupational Health and Safety Champion*. Routledge. Oxon.
- Stamatis, D. H. 2003. *Failure Mode and Effect Analysis: FMEA From Theory to Execution Second Edition*. ASQ Quality Press. Milwaukee.
- Suhardi, B., Agustina, C., & Rahmadiyah, D. A. 2021. *Ergonomi Partisipatori Implementasi Bidang Kesehatan Dan Keselamatan Kerja*. Yogyakarta: Deepublish.
- Sukwadi, R., Wenehenubun, F., & Wenehenubun, T. W. 2017. Pendekatan Fuzzy FMEA dalam Analisis Faktor Risiko Kecelakaan Kerja. *Jurnal Rekayasa Sistem Industri*, 6(1): 29-38. DOI: <https://doi.org/10.26593/jrsi.v6i1.2425.29-38>.
- Suma'mur. 2009. *Higiene Perusahaan dan Kesehatan Kerja*. Jakarta: CV Sagung Seto.

Suma'mur. 2013. *Higiene Perusahaan dan Kesehatan Kerja (HIPERKES)*. Jakarta: CV Sagung Seto.

Suryoputro, M. R., Sari, A. D., Sugarindra, M., & Arifin, R. 2017. Machinery safety of lathe machine using SHARP-systemic human action reliability procedure: a pilot case study in academic laboratory. *IOP Conference Series: Materials Science and Engineering*, 277(1): 012017. DOI:10.1088/1757-899X/277/1/012017.

Winburn, D. C. 2017. *Practical Laser Safety Second Edition, Revised and Expanded*. CRC Press. Portland.

Zadeh, L. A. 2008. Is There a Need for Fuzzy Logic. *Information Sciences*, 178(13): 2751-2779. DOI: <https://doi.org/10.1016/j.ins.2008.02.012>.

Zeng, S. X, Tam, C. M, & Tam, V. W. Y. 2010. Integrating Safety, Environmental, and Quality Risks for Project Management Using an FMEA Method. *Economics of Engineering Decisions*, 66 (1): 44–52.