

## DAFTAR PUSTAKA

- Aisyah, S., 2011, Implementasi Failure Mode and Effect Analysis (FMEA) dan Fuzzy Logic sebagai Program Pengendalian Kualitas, *Journal of Industrial Engineering and Management System*, Vol. 4, No. 2, pp. 1-14.
- Arabian-Hoseynabadi, H., Oraee, H., dan Tavner, P.J., 2010, Failure Mode and Effect Analysis (FMEA) for Wind Turbines, *Electrical Power and Energy Systems*, Vol. 32, No. 7, pp. 817-824.
- Astuti, F. W. D., 2017, Analisis Risiko Kecelakaan Kerja Menggunakan Metode *Bow Tie Analysis* pada Proyek One Galaxy Surabaya, *Skripsi*, Institut Teknologi Sepuluh Nopember, Surabaya.
- Badan Standardisasi Nasional, 2011, *SNI ISO 31000:2011 Manajemen Risiko - Pedoman*, Badan Standardisasi Nasional, Jakarta.
- Cahaya, H. I., 2017, Evaluasi Kinerja *Supplier* dengan Menggunakan Metode Fuzzy Failure Mode and Effect Analysis, *Skripsi*, Universitas Islam Indonesia.
- Calixto, E., 2016, *Gas and Oil Reliability Engineering*, 2<sup>nd</sup> ed., Gulf Professional Publishing, Texas.
- Castillo, O., dan Melin, P., 2008, *Type II Fuzzy Logic: Theory and Applications*, Springer, Berlin.
- Chanamool, N., dan Naenna, T., 2016, Fuzzy FMEA Application to Improve Decision-Making Process in an Emergency Department, *Applied Soft Computing Journal*, pp. 441-453.
- Chang, K., dan Cheng, C., 2010, a Risk Assessment Methodology Using Intuitionistic Fuzzy Set in FMEA, *International Journal of System Science*, Vol. 41, No. 12, pp. 1457-1471.
- Crutchfield, N., Roughton, J., dan Waite, M., 2019, *Safety Culture*, 1<sup>st</sup> ed., Butterworth-Heinemann, Oxford.
- Dagsuyu, C., Gocmen, E., Narh, M., dan Kokangul, A., 2016, Classical and Fuzzy FMEA Risk Analysis in a Sterilization Unit, *Computers & Industrial Engineering*, pp. 1-25.
- Darmawi, H., 1994, *Manajemen Resiko*, 2<sup>nd</sup> ed., Bumi Aksara, Jakarta.
- Deru W. G., Eloff J. H. P, 1996, Risk Analysis Modelling with The Use of Fuzzy Logic, *Computer and Security*, No. 3, Vol. 15, pp. 239-248.
- Djarmiko, R. D., 2016, *Keselamatan dan Kesehatan Kerja*, 1<sup>st</sup> ed., Deepublish Publisher, Yogyakarta.

- Elahi, B., 2018, *Safety Risk Management for Medical Devices*, 1<sup>st</sup> ed., Academic Press, Massachusetts.
- Feili, H. R., Akar, N., Lotfizadeh, H., Bairampour, R., dan Nasiri, S., 2013, Risk Analysis of Geothermal Power Plants Using Failure Modes and Effect Analysis (FMEA) Technique, *Energy Conversion and Management*, Vol. 72, pp. 69-76.
- Fuentes-bargues, J. L., Gonzalez-cruz, M. C., Gonzales-gaya, C., dan Baixauli-perez, M. P., 2017, Risk Analysis of a Fuel Storage Terminal Using HAZOP and FTA, *International Journal of Environmental Research and Public Health*, Vol. 705, No. 14, pp.1-26.
- Giraud, L., dan Galy, B., 2018, Fault Tree Analysis and Risk Mitigation Strategies for Mine Hoists, *Safety Science*, Vol. 110, pp. 222-234.
- Hadi-Venceh, A., dan Aghjani, M., 2013, Failure Mode and Effect Analysis: A Fuzzy Group MCDM Approach, *Journal of Soft Computing and Applications*, pp. 1-14.
- Hadi-Venceh, A., Hejazi, S., dan Eslaminasab, Z., 2013, a Fuzzy Linear Programming Model for Risk Evaluation in Failure Mode and Effect Analysis, *Neutral Comput and Applic*, Vol. 22, pp. 1105-1113.
- Imaniar, I., 2019, Analisis *Hazard* Menggunakan Pendekatan *Hazard Identification, Risk Assessment, and Determining Control* (HIRADC) pada Pegawai, *Tesis*, Universitas Gadjah Mada, Yogyakarta.
- Indonesia, 1970, *Undang-Undang No. 1 Tahun 1970: Keselamatan Kerdja*, Kementerian Tenaga Kerja Republik Indonesia, Jakarta
- Indonesia, 1998, *Peraturan Pemerintah No. 50 Tahun 1998: Tata Cara Pelaporan dan Pemeriksaan Kecelakaan*, Kementerian Tenaga Kerja Republik Indonesia, Jakarta
- Indonesia, 2012, *Peraturan Menteri Tenaga Kerja No. 3 Tahun 2012: Penerapan Sistem Manajemen Keselamatan dan Kesehatan Kerja*, Pemerintah Republik Indonesia, Jakarta.
- Indonesia, 2014, *Peraturan Menteri Pekerjaan Umum No. 5 Tahun 2014: Pedoman Sistem Manajemen Keselamatan dan Kesehatan Kerja (SMK3) Konstruksi Bidang Pekerjaan Umum*, Pemerintah Republik Indonesia, Jakarta.
- Irzal, 2016, *Dasar-Dasar Kesehatan dan Keselamatan Kerja*, 1<sup>st</sup> ed., Prenamedia Group, Jakarta.
- Kolich, M., 2014, Using Failure Mode and Effect Analysis to Design a Comfortable Automotive Driver Seat, *Applied Ergonomics*, Vol. 45, No. 4, pp. 1087-1096.
- Kumru, M., dan Kumru, P., 2013, Fuzzy FMEA Application to Improve Purchasing Process in a Public Hospital, *Applied Soft Computing Journal*, Vol. 13, No. 1, pp. 721-733.

- Kementerian Energi dan Sumber Daya Mineral, 2018, *Neraca Gas Bumi Indonesia 2018-2027*, Kementerian Energi dan Sumber Daya Mineral, Jakarta.
- Kusumadewi, S., dan Purnomo, H., 2013, *Aplikasi Logika Fuzzy untuk Pendukung Keputusan*, Ed. 2, Graha Ilmu, Yogyakarta.
- Kustiyaningsih, F., 2011, Penentuan Prioritas Penanganan Kecelakaan Kerja di PT GE Lighting Indonesia dengan Metode *Failure Mode and Effect Analysis* (FMEA), *Skripsi*, Universitas Sebelas Maret, Surakarta.
- Li, S., dan Zeng, W., 2016, Risk Analysis for The Supplier Selection Problem Using Failure Mode and Effect Analysis (FMEA), *Journal of Intelligent Manufacturing*, Vol. 27, No. 6, pp. 1309-1321.
- Liu, Y., Kong, Z., dan Zhang, Q., 2018, Failure Mode and Effects Analysis (FMEA) for The Security of The Supply Chain System of The Gas Station in China, *Ecotoxicology and Environmental Safety*, Vol. 164, pp. 325-330.
- Luo, T., Wu, C., dan Duan, L., 2018, Fishbone Diagram and Risk Matrix Analysis Method and Its Application in Safety Assessment of Natural Gas Spherical Tank, *Journal of Cleaner Production*, Vol. 174, No. 12, pp.296-304.
- Matatula, J., 1994, *Manajemen Resiko*, 2<sup>nd</sup> ed., Bumi Aksara, Jakarta.
- Maryani, A., Wignjosoebroto, S., dan Partiwi, S. G., 2015, A System Dynamics Approach for Modeling Construction Accidents, *Procedia Manufacturing*, Vol. 4, 2015, pp. 392-401.
- McDermott, R. E., Beauregard, M. R., dan Mikulak, R. J., 2011, *The Basic of FMEA*, 2<sup>nd</sup> ed., CRC Press, Florida.
- Mutlu, N. G., dan Altuntas, S., 2019, Risk Analysis for Occupational Safety and Health in The Textile Industry: Integration of FMEA, FTA, and BIFPET Methods, *International Journal of Industrial Ergonomics*, Vol. 72, 2019, pp. 222-240.
- Napitupulu, J. D. M., 2010, Penggunaan Fuzzy Failure Mode and Effect Analysis (Fuzzy FMEA) dalam Mengidentifikasi Risiko Kegagalan pada Proses Produksi di PT Mahogany Lestari, *Skripsi*, Universitas Sumatera Utara.
- Niu, D., Qiao, H., Zhai, H., dan Lu, X., 2013, Power Grid Construction Project Cost Risk Factor Analysis Based on The Fishbone Diagram Theory, *Advanced Material Research*, Vol. 622-623, pp. 1852-1855.
- OHSAS 18001:2007, *Sistem Manajemen Keselamatan dan Kesehatan Kerja – Persyaratan*, Terjemahan oleh Jack Matatula.
- Petrovskiy, E. A., Buryukin, F. A., Bukhtiyarov, V. V., Savich, I. V., dan Gagina, M. V., 2015, The FMEA-Risk Analysis of Oil and Gas Process Facilities with Hazard Assessment Based on Fuzzy Logic, *Modern Applied Science*, Vol. 9, No. 5, pp. 25-37.

- Puskar, J., 2011, Avoid Natural Gas Piping Hazards, *Chemical Engineering Progress*, Vol. 107, No. 1, pp. 45-49.
- Puente, J., Pino, R., Priore, P., Fuente, D., 2001, A Decision Support System for Applying Failure Mode and Effect Analysis, Vol. 19, No. 2, pp. 137-150.
- Pusparipa, Y., 2020, Industri Sektor dengan Permintaan Gas Terbesar, <https://databoks.katadata.co.id/datapublish/2020/02/27/industri-sektor-dengan-permintaan-gas-terbesar>, online accessed on 26 Mar. 2020.
- Putranto, D. A., Wibisono, I., dan Suryokusumo, B., *Pranata Manajemen Pembangunan di Bidang Arsitektur*, UB Press, Malang.
- Rabbi, M. F., 2018, Asessment of Fuzzy Failure Mode and Effect Analysis (FMEA) for Reach Stacker Crane (RST), *International Journal of Research in Industrial Engineering*, Vol. 7, No. 3, pp. 336-348.
- Rahmah, H. N., 2015, Identifikasi Bahaya dan Penilaian Risiko dalam Pekerjaan Pengecoran Beton untuk Proyek Gedung dengan Metode *Analytic Hierarcy Process* (AHP), *Skripsi*, Universitas Sebelas Maret, Surakarta.
- Ratama, N., dan Munawaroh, 2019, *Konsep Kecerdasan Buatan dengan Pemahaman Logika Fuzzy dan Penerapan Aplikasi*, 1<sup>st</sup> ed., Uwais Inspirasi Indonesia, Ponorogo.
- Ridley, H., 2008, *Ikhtisar Kesehatan dan Keselamatan Kerja*, 3<sup>rd</sup> ed., Penerbit Erlangga, Jakarta.
- Risqiyah, I. A., dan Santoso, I., 2017, Risiko Rantai Pasok Agroindustri Salak Menggunakan Fuzzy FMEA, *Jurnal Manajemen dan Agribisnis*, Vol. 14, No. 1, pp. 1-11.
- Roughton, J., Crutchfield, N., dan Waite, M., 2019, *Safety Culture*, 2<sup>nd</sup> ed., Butterworth-Heinemann, Oxford.
- Permana, W. R. A., 2018, Analisis dan Mitigasi Rantai Pasok pada Industri Bakpia (Studi Kasus di Bakpiapia), *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Sarwoko, S. O., 2015, Perancangan Manajemen Risiko dengan Menggunakan Metode *Fuzzy FMEA* pada Departemen Produksi PT Charoen Pokphand Tbk. Pakan Ternak Krian - Sidoarjo, *Skripsi*, Institut Teknologi Sepuluh Nopember.
- Sharma, R. K., Kumar, D., dan Kumar, P., 2005, Systematic Failure Mode Effect Analysis (FMEA) Using Fuzzy Linguistic Modelling, *International Journal of Quality and Reliability Management*, Vol. 22, No. 9, pp. 986-1004.
- Silva, M. M., DeGusmao, A. P. H., Poletto, T., Silva, L. C. E., dan Costa, A. P. C. S., 2014, A Multidimensional Approach to Information Security Risk Management Using FMEA and Fuzzy Theory, *International Journal of Information Management*, Vol. 34, No. 6, pp. 733-740.

- Singh, M., dan Sarkar, D., 2017, Project Risk Analysis for Elevated Metro Rail Projects using Fuzzy Failure Mode and Effect Analysis (FMEA), *International Journal of Engineering & Technology Science and Research (IJETSR)*, Vol. 4, No. 11, pp. 906-914.
- Suryoputro, M. R., Khairizzahra, Sari, A. D., dan Widiatmaka, N. W., 2019, Failure Mode and Effect Analysis (Fuzzy FMEA) Implementation for Forklift Risk Management in Manufacturing Company PT XYZ, *IOP Conference Series Material Science and Engineering*, Vol. 528.
- Susanto, M., 2018, Analisis Risiko Kecelakaan Kerja pada Dermaga Pelabuhan Peti Kemas dengan Metode *Fuzzy Failure Mode and Effect Analysis*, *Skripsi*, Universitas Brawijaya.
- Swaputri, E., 2010, Analisis Penyebab Kecelakaan Kerja, *Jurnal Kesehatan Masyarakat*, Vol. 5, No. 2, pp. 95-105.
- Sinnott, R., dan Towler G., 2002, *Chemical Engineering Design*, 5<sup>th</sup> ed., Butterworth-Heinemann, Oxford.
- Stamatis, D.H., 2003, *Failure Mode and Effect Analysis*, 2<sup>nd</sup> ed., Quality Press, Milwaukee.
- Ulfa, Y. F., 2018, Analisis Risiko pada Fase *Engineering, Procurement, dan Construction* (Studi pada Proyek *Heavy Oil Tank Repair* di *Central Gathering Station* di *Heavy Oil Operation Unit Duri*), *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Wang, Y. M., Chin, K. S., Poon, G. K. K., dan Yang, J. B., 2009, Risk Evaluation in Failure Mode and Effects Analysis Using Fuzzy Weighted Geometric Mean, *Expert Systems with Applications*, Vol. 36, No. 2, pp. 1195-1207.
- Wibisana, D. A., 2016, Analisa Risiko Kecelakaan Kerja Proyek Bendungan Tugu Kabupaten Trenggalek Menggunakan Metode FMEA (Failure Mode and Effect Analysis) dan Metode Domino, *Skripsi*, Institut Teknologi Sepuluh Nopember.
- Yeh, R. H., dan Hsieh, M. H., 2007, Fuzzy Assessment of FMEA for a Sewage plant, *Journal of the Chinese Institute of Industrial Engineers*, Vol. 24, No. 6, pp. 505-512.
- Yusof, M. A., dan Abdullah, N. H., 20016, Failure Mode and Effect Analysis of Butterfly Valve in Oil and Gas Industry, *Journal of Engineering and Science Technology*, Vol. 24, pp. 9-19.
- Zadeh, L. A., 1965, Fuzzy Sets, *Information and Control*, Vol. 8, No. 6, pp. 338-353.
- Zhou, F., Liu, H., dan La, J., 2019, Fatigue Analysis of Liquefied Petroleum Gas Cylinders for Safety Risk Assessment, *Journal of Shanghai Jiaotong University*, Vol. 25, pp. 394-397.