

## DAFTAR PUSTAKA

- AlMutairi, O. M. . (2022). A Decision Support Model for Prioritization of Safety Five Stars System Elements on Saudi Electricity Company using Integrated AHP and TOPSIS Approach. *International Journal of Advanced Engineering Research and Applications*, 8(02), 83–95. <https://doi.org/10.46593/ijaera.2022.v08i02.003>
- Aminbakhsh, S., Gunduz, M., & Sonmez, R. (2013). Safety risk assessment using analytic hierarchy process (AHP) during planning and budgeting of construction projects. *Journal of Safety Research*, 46, 99–105. <https://doi.org/10.1016/j.jsr.2013.05.003>
- Ayob, A. N., Che Hassan, C. R., & Hamid, M. D. (2022). Safety culture maturity measurement methods: A systematic literature review. *Journal of Loss Prevention in the Process Industries*, 80. <https://doi.org/10.1016/j.jlp.2022.104910>
- Badri, M. A. (2001). A combined AHP–GP model for quality control systems. *International Journal of Production Economics*, 72(1), 27–40. [https://doi.org/10.1016/S0925-5273\(00\)00077-3](https://doi.org/10.1016/S0925-5273(00)00077-3)
- Chaube, S., Pant, S., Kumar, A., Uniyal, S., Singh, M. K., Kotecha, K., & Kumar, A. (2024). An Overview of Multi-Criteria Decision Analysis and the Applications of AHP and TOPSIS Methods. *International Journal of Mathematical, Engineering and Management Sciences*, 9(3), 581–615. <https://doi.org/10.33889/IJMEMS.2024.9.3.030>
- Chen, X., & Azman, M. N. A. (2024). Development of Safety Assessment Framework for Industrialised Buildings Construction in China Using Analytic Hierarchy Process (AHP). *CONSTRUCTION*, 4(2), 124–134. <https://doi.org/10.15282/construction.v4i2.10697>
- Dey, P. K. (2006). Integrated project evaluation and selection using multiple-attribute decision-making technique. *International Journal of Production Economics*, 103(1), 90–103. <https://doi.org/10.1016/j.ijpe.2004.11.018>
- Ferrari, G. N., Leal, G. C. L., Galdamez, E. V. C., & de Souza, R. C. T. (2020). Prioritization of occupational health and safety indicators using the Fuzzy-AHP method. *Production*, 30, 1–13. <https://doi.org/10.1590/0103-6513.20200054>
- Forman, E. H., & Gass, S. I. (2001). The Analytic Hierarchy Process—An Exposition. *Operations Research*, 49(4), 469–486. <https://doi.org/10.1287/opre.49.4.469.11231>
- Foster, P., & Hault, S. (2013). The safety journey: Using a safety maturity model for safety planning and assurance in the UK coal mining industry. *Minerals*, 3(1), 59–72. <https://doi.org/10.3390/min3010059>
- Goodwin, P., & Wright, G. (2003). *Decision Analysis for Management Judgment 3rd: Vol. Third Edition*.

Gul, M., & Guneri, A. F. (2016). A fuzzy multi criteria risk assessment based on decision matrix technique: A case study for aluminum industry. *Journal of Loss Prevention in the Process Industries*, 40, 89–100.

<https://doi.org/10.1016/j.jlp.2015.11.023>

Ishizaka, A., & Labib, A. (2009). Analytic Hierarchy Process and Expert Choice: Benefits and limitations. *OR Insight*, 22(4), 201–220.

<https://doi.org/10.1057/ori.2009.10>

Kusma, V. V., Gerônimo, B. M., Zola, F. C., Aragão, F. V., De Genaro Chiroli, D. M., & Kovaleski, J. L. (2024). A maturity model of occupational safety and health in industry 4.0: An analysis in Brazilian organizations. *Journal of Safety and Sustainability*, 1(4), 234–246. <https://doi.org/10.1016/j.jsasus.2024.11.002>

Ma, L., Zhang, D., & Wang, H. (2020). Impact of safety-management-system maturity on accident reduction and productivity improvement in maintenance operations. *Journal of Safety Research*.

Mahdi Mousavi, S., & Jahadi Naeini, M. (2025). *Application of the Analytical Hierarchy Process (AHP) in Occupational Health and Safety*.

<https://doi.org/10.5772/intechopen.1008205>

Mohandes, S. R., Karasan, A., Gündoğdu, F. K., Singh, A. K., Mahdiyar, A., Poor Sabet, P. G., & Zayed, T. (2025). Occupational safety and health risk assessment during maintenance stage of construction projects: A multi-pronged fuzzy-based approach. *Expert Systems with Applications*, 280.

<https://doi.org/10.1016/j.eswa.2025.127522>

PERATURAN PEMERINTAH REPUBLIK INDONESIA. (n.d.).

Pouresfandyani, H., & Najiazarpour, S. (2019). Providing the Developmental Model of a Comprehensive System of Prioritizing Occupational Risks Using Analytical Hierarchy Process (AHP) Technique in the Management of Integrated Health, Safety and Environment (Case Study of Oil Industrial Contractors). *Modern Applied Science*, 13(6), 149. <https://doi.org/10.5539/mas.v13n6p149>

Pratiwi, D., Sukwika, T., & Gusdini, N. (2024). *Metode Analytical Hierarchy Process Strategy For Implementing The Osh Program In Increasing Employee Productivity In The Production Section: Using Analytical Hierarchy Process Method*.

<https://ejournal.ung.ac.id/index.php/jjhsr/index>

PROGRAM KESELAMATAN DAN KESEHATAN KERJA NASIONAL-INDONESIA. (2024).

Saaty, T. L. (1990). How to make a decision: The analytic hierarchy process. *European Journal of Operational Research*, 48(1), 9–26. [https://doi.org/10.1016/0377-2217\(90\)90057-1](https://doi.org/10.1016/0377-2217(90)90057-1)

Sadeghi-Yarandi, M., Torabi-Gudarzi, S., Asadi, N., Golmohammadpour, H., Ahmadi-Moshiran, V., Taheri, M., Ghasemi-Koozekonan, A., Soltanzadeh, A., &

- Alimohammadi, B. (2023). Development of a novel Electrical Industry Safety Risk Index (EISRI) in the electricity power distribution industry based on fuzzy analytic hierarchy process (FAHP). *Heliyon*, 9(2).  
<https://doi.org/10.1016/j.heliyon.2023.e13155>
- Şahin, M., & Yurdugul, H. (2018). A Content Analysis Study on the Use of Analytic Hierarchy Process in Educational Studies. *Eğitimde ve Psikolojide Ölçme ve Değerlendirme Dergisi*, 9(4), 376–392. <https://doi.org/10.21031/epod.373784>
- Stemn, E., Bofinger, C., Cliff, D., & Hassall, M. E. (2019). Examining the relationship between safety culture maturity and safety performance of the mining industry. *Safety Science*, 113, 345–355. <https://doi.org/10.1016/j.ssci.2018.12.008>
- Triantaphyllou, E. (2000). *Multi-criteria Decision Making Methods: A Comparative Study* (Vol. 44). Springer US. <https://doi.org/10.1007/978-1-4757-3157-6>
- Vaidya, O. S., & Kumar, S. (2006). Analytic hierarchy process: An overview of applications. *European Journal of Operational Research*, 169(1), 1–29.  
<https://doi.org/10.1016/j.ejor.2004.04.028>
- Vargas, L., & St, C. (2022). *The Analytic Hierarchy Process*.  
<http://www.springer.com/series/6161>
- Yakut, M., Kaya, I., & Bozkus, E. (2022). A Two-Dimensional Fuzzy Risk Assessment Model for Occupational Health and Safety Evaluations. *HORA 2022 - 4th International Congress on Human-Computer Interaction, Optimization and Robotic Applications, Proceedings*.  
<https://doi.org/10.1109/HORA55278.2022.9799805>
- Zhang, Y., Wang, S. X., Yao, J. T., & Tong, R. P. (2023). The impact of behavior safety management system on coal mine work safety: A system dynamics model of quadripartite evolutionary game. *Resources Policy*, 82.  
<https://doi.org/10.1016/j.resourpol.2023.103497>