

## DAFTAR PUSTAKA

- Al Qathafi, M. (2015). *Studi Aplikasi Metode Risk Based Inspection (RBI) Semi-Kuantitatif API 581 Pada Production Separator*.
- Al Qathafi M, S. (2015). Studi Aplikasi Metode Risk Based Inspection. *Jurnal Teknik ITS*.
- Alexander, L. (2025). *Risk-Based Inspection and Maintenance*.  
<https://www.researchgate.net/publication/392333052>
- Al-Janabi, A., Malayeri, M. R., Müller-Steinhagen, H., & Badran, O. O. (2009). *Precipitation Fouling On Various Austenitic Alloys*. [www.heatexchanger-fouling.com](http://www.heatexchanger-fouling.com)
- API 510. (2023). *American Petroleum Institute 510 Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair, and Alteration*.
- API 570. (2024). *American Petroleum Institute 570 Piping Inspection Code: In-service Inspection, Rating, Repair, and Alteration of Piping Systems*.
- API 580. (2023). *American Petroleum Institute 580 Elements of a Risk-Based Inspection Program*.
- API RP 581. (2019). *American Petroleum Institute Recommended Practice 581*.
- ASME PCC 3. (2017). *American Society of Mechanical Engineers PCC 3*.  
<http://cstools.asme.org/>
- ASTM A53 Grade B. (2020). *ASTM A53 Grade B*. ASTM International.  
[https://doi.org/10.1520/A0053\\_A0053M-20](https://doi.org/10.1520/A0053_A0053M-20)
- Bevilacqua, M., & Ciarapica, F. E. (2018). Human Factor Risk Management in The Process Industry: A Case Study. *Reliability Engineering and System Safety*, 169, 149–159. <https://doi.org/10.1016/j.ress.2017.08.013>
- Cáceres, L., Leinenweber, G., Soliz, A., & Landaeta, E. (2025). Carbon Steel A36 Planar Coupons Exposed to a Turbulent Flow Inside a 90° Pipe Elbow in a

- Testing Rack: Hydrodynamic Simulation and Corrosion Studies. *Metals*, 15(6). <https://doi.org/10.3390/met15060583>
- Fujisawa, N. (2025). Review: Pipeline Layout Effect on the Wall Thinning of Mihama Nuclear Power Plants. In *Journal of Nuclear Engineering* (Vol. 6, Issue 2). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/jne6020019>
- Handoko, B. E. (2019). *Waterflood Study in Deltaic Reservoir System*.
- Hawwach, M. A. (2021). *Human Errors in Industrial Operations and Maintenance*. (University): Antti Salonen.
- He, J. Y., Xie, F., Wang, D., Liu, G. X., Wu, M., & Qin, Y. (2024). Stress Corrosion Cracking Behavior of Buried Oil and Gas Pipeline Steel Under The Coexistence of Magnetic Field and Sulfate-Reducing Bacteria. *Petroleum Science*, 21(2), 1320–1332. <https://doi.org/10.1016/j.petsci.2023.10.013>
- Honawi, B., & Iswanto, P. T. (2021). *Investigasi Pengaruh Inhibitor Korosi Molibdat Terhadap Laju Korosi Pipa Injeksi Sistem Waterflood (Baja Karbon API 5L GR B) Dengan Media Air Formasi Sumur Minyak Bumi Jenis Smatra Light*.
- Irawan, M. T. F. (2020). *Analisis Risk Based Inspection (RBI) Pada Pressure Relief Device (PRD) Sistem Production Gas Separator*. Institut Teknologi Sepuluh Nopember Surabaya.
- Julich-Trojan, C., & Turcott, S. (2019). *Failure Analysis of HRSG Tubes*.
- Kassem, M. A. (2022a). Risk Management Assessment in Oil and Gas Construction Projects Using Structural Equation Modeling (PLS-SEM). *Gases*.
- Kassem, M. A. (2022b). Risk Management Assessment in Oil and Gas Construction Projects Using Structural Equation Modeling (PLS-SEM). *Gases*, 2(2), 33–60. <https://doi.org/10.3390/gases2020003>
- Kholid Rahmatullah, I., Kurniawan, T., Ardian Pratama, M., & Lutfi, M. (2021). Analysis of Waterflood Performance for Enhancing Oil Recovery in the Volve

- Field. In *Indonesian Research Journal on Education Web Jurnal Indonesian Research Journal on Education* (Vol. 1).
- Kurniawan, Z., & Widiyati, K. (2023, December 29). *Quantitative Study of Risk Based Inspection (RBI) Using API 581 on Heat Exchanger Tube Bundle*. <https://doi.org/10.4108/eai.23-11-2022.2341613>
- Li, Y., Zhang, J., Su, G., Sandy, A., & Xin, Y. (2023). Investigation on Multiphase Erosion–Corrosion of Elbow in LPG Desulfurization Unit. *Metals*, 13(2). <https://doi.org/10.3390/met13020256>
- Ministry of Energy and Mineral Resource Republic of Indonesia. (2023). *Handbook of Energy & Economic Statistics of Indonesia*.
- Nofri, M., & Fardiansyah, A. (2018). *Analisis Sifat Mekanik Pipa Carbon Steel Grade A A106 DAN Grade B A53 Untuk Proses Produksi Pada Kilang LNG* (Vol. 14).
- Nugroho, S., Sulardjaka, & Al Hadid, G. (2017). *Failure Analysis on Pipeline Welded Joint of Venting Isolation High Pressure Superheater Tube*.
- Nyoman Adnyana, D. (2020). *Cavitation-Erosion Study in Elbow Tubes of A Low-Pressure Evaporator Outlet Header* (Vol. 1). [www.ejurnalmaterialmetalurgi.com](http://www.ejurnalmaterialmetalurgi.com)
- Prayogo, G. S., Haryadi, G. D., Ismail, R., & Kim, S. J. (2016). Risk Analysis of Heat Recovery Steam Generator With Semi Quantitative Risk Based Inspection API 581. *AIP Conference Proceedings*, 1725. <https://doi.org/10.1063/1.4945516>
- Ramadhani, K. (2019). *Pengembangan Aplikasi Risk Based Inspection (RBI) Pada Atmospheric Storage Tank Dengan Studi Kasus Di PT. Pusri Palembang*. Universitas Sriwijaya.
- Rayhan Akbar, M. S., Ramdhani Arif Miming, M., Sukmono, Y., & Hanafi, M. (2025). *Peranan Heat Recovery Steam Generator (HRSG) pada Pembangkit Listrik PLTGU*. 3(1).

- Rohmansyah, D. (2018). Risk Based Analysis for Evaluating of Inspection Scope at PLTGU Muara Karang. In *Postgraduate Program Institut Teknologi Sepuluh Nopember*.
- Schröder, H. C., & Kauer, R. (2004). Regulatory requirements related to risk-based inspection and maintenance. *International Journal of Pressure Vessels and Piping*.
- Sekretariat Jendral Dewan Energi Nasional. (2023). *Outlook Energi Indonesia 2023*.
- Sulistiyono. (2019). *Kegiatan Usaha Industri Migas Hubungannya Dengan Dampak dan Tanggung Jawab Kelestarian Lingkungan Hidup*.
- Sumarjo, J., & Soekardi, C. (2017). Analisis Economizer#2 Pada Heat Recovery Steam Generation (HRSG) di Turbin Gas#2 Untuk Proses Maintenance di PT. XXX. In *Januari* (Vol. 2, Issue 1).
- Wahyudi, D., & Iswanto, P. T. (2023). Analisis Sisa Umur Pakai Tube Heater Pada Heat Recovery Steam Generator (HRSG). *Journal of Mechanical Design and Testing*, 5(1), 10. <https://doi.org/10.22146/jmdt.70178>
- Wahyudi, H. (2023). *Peramalan Konsumsi Dan Produksi Minyak Menggunakan Model Arima Di Indonesia*. <http://jurnal.feb.unila.ac.id/index.php/jep>
- Wang, Z., & Duan, L. (2021). Thermoeconomic Optimization of Steam Pressure of Heat Recovery Steam Generator in Combined Cycle Gas Turbine Under Different Operation Strategies. *Energies*, 14(16). <https://doi.org/10.3390/en14164991>
- Wei, W., Yu, H., Guo, C., Zhang, X., Liu, G., Cheng, S., & Zhao, B. (2022). Effect of Fouling Layer (Acid–Ash Reaction) on Low-Temperature Corrosion Covering Heating Surface in Coal-Fired Flue Gas. *Processes*, 10(2). <https://doi.org/10.3390/pr10020241>
- Wicaksana, A. (2019). *Analisa Risiko Well Pipes Dan Separator Pada Fasilitas Pembangkit Geothermal Wayang Windu Menggunakan Metode Risk-Based Inspection (RBI)*.

Zhao, G., Ma, X., & Ma, K. (2025). Study on Stress Corrosion Cracking Mechanism of Steel Wires with Different Strength Levels. *Metals*, 15(2).  
<https://doi.org/10.3390/met15020139>