

## **DAFTAR PUSTAKA**

- Aditiyawarman, T. (2014). Oil and gas instrument reliability and risks. Oilfield Technology.
- Aditiyawarman, T. (2021). Quantitative risk-based inspection on gas riser pipelines at offshore facilities. Academia.edu.
- Amalia, S., & Putra, D. (2019). Penerapan metode PITHE-C dalam analisis kehandalan sistem instrumentasi pada industri migas. Jurnal Manajemen dan Teknik Industri, 5(2), 112–126.
- American Petroleum Institute. (2018). Recommended practice for analysis, design, installation, and testing of basic surface safety systems for offshore production platforms (API RP 14C, 7th ed.). API.
- American Petroleum Institute. (1991). Recommended practice for design and installation of offshore production platform piping systems (API RP 14E).
- ASME. (2021). Boiler and pressure vessel code, Section VIII: Rules for construction of pressure vessels. American Society of Mechanical Engineers.
- Aven, T. (2011). Risk analysis: Assessing uncertainties beyond expected values and probabilities. Wiley.
- Basuki, I. (2018). Evaluasi kehandalan sistem instrumentasi pada fasilitas pengolahan gas alam. Jurnal Pengolahan Gas, 14(1), 1–15.
- Davis, R., & Kumar, P. (2019). Impact of environmental factors on offshore instrumentation: A review. International Journal of Offshore and Polar Engineering, 29(1), 78–90.
- DNV GL. (2017). DNVGL-RP-F101: Corroded pipelines: Recommended practice. Det Norske Veritas.
- Ebeling, C. E. (2019). An introduction to reliability and maintainability engineering (2nd ed.). Waveland Press.
- Ehsan, M., & Rachman, H. (2021). A framework for pipeline integrity management system (PIMS) in offshore platform utilities. Journal of Oil & Gas Engineering, 6(2), 78–85.

Feng, Q., Li, R., Nie, B., Liu, S., Zhao, L., & Zhang, H. (2017). Literature review: Theory and application of in-line inspection technologies for oil and gas pipeline girth weld defection. Sensors, 17(1), 50. [https://doi.org/10.3390/s17010050](https://doi.org/10.3390/s17010050)

Fikri, K., et al. (2023). Implementation of maintenance and reliability management system (MRMS) in Pertamina Hulu Energy Subholding Upstream (PHE SHU) through field assessment of ISO 55001. Rekayasa Mesin, 14(1).

Haryadi, G. D., Kustomo, H. K., & Kim, S. J. (2016). Penilaian risiko dan perencanaan inspeksi pipa transmisi gas alam Cepu–Semarang menggunakan metode risk based inspection semi-kuantitatif API 581. Jurnal Mesin, 25(1), 18–28. [https://doi.org/10.5614/MESIN.2016.25.1.2](https://doi.org/10.5614/MESIN.2016.25.1.2)

Hines, J. W., & Goodman, M. D. (2010). Integrated condition monitoring and diagnostics for instrument air systems. IEEE Transactions on Instrumentation and Measurement, 59(2), 384–391.

Annual Report ID. (n.d.). Lakukan inovasi, anak usaha Pertamina berhasil cegah potensi kerugian Rp4,18 triliun. [https://annualreport.id/info/lakukan-inovasi-anak-usaha-pertamina-berhasil-cegah-potensi-kerugian-rp418-triliun](https://annualreport.id/info/lakukan-inovasi-anak-usaha-pertamina-berhasil-cegah-potensi-kerugian-rp418-triliun)

Pertamina. (n.d.). Langkah inovasi PHE WMO cegah potensi kerugian Rp 4,18 triliun/tahun. [https://pertamina.com/id/news-room/energia-news/langkah-inovasi-phe-wmo-cegah-potensi-kerugian-rp-4-18-triliun-tahun](https://pertamina.com/id/news-room/energia-news/langkah-inovasi-phe-wmo-cegah-potensi-kerugian-rp-4-18-triliun-tahun)

Suara Banyuurip. (2022, December 31). Akhir tahun 2022, manajemen SKK Migas pastikan lifting di ORF PHE WMO. [https://suarabanyuurip.com/2022/12/31/akhir-tahun-2022-manajemen-skk-migas-pastikan-lifting-di-orf-phe-wmo/](https://suarabanyuurip.com/2022/12/31/akhir-tahun-2022-manajemen-skk-migas-pastikan-lifting-di-orf-phe-wmo/)

Pertamina. (n.d.). Pertamina tambah produksi 5.400 bph dan 5 MMscfd dari Blok WMO. [https://www2.pertamina.com/id/news-room/news-release/pertamina-tambah-produksi-5400-bph-dan-5-mmfcfd-dari-blokwm](https://www2.pertamina.com/id/news-room/news-release/pertamina-tambah-produksi-5400-bph-dan-5-mmfcfd-dari-blokwm)

Jiilan, F. R. (2023). Analisis kehandalan sistem instrumen utilitas gas di platform migas. *Jurnal Teknologi Industri*, 19(1), 89–102.

Khan, F., & Haddara, M. (2003). Risk-based maintenance (RBM): A quantitative approach for maintenance/inspection planning and evaluation. *Journal of Loss Prevention in the Process Industries*, 16(6), 561–573.

Lubis, M. O. Z. A., Widodo, A., & Haryadi, G. D. (2018). Risk assessment of gas pipeline using risk based inspection and fault tree analysis. In Proceedings of the 7th Engineering International Conference on Education, Concept and Application on Green Technology (pp. 43–47). [<https://doi.org/10.5220/0009006100430047>](<https://doi.org/10.5220/0009006100430047>)

Modarres, M., Kaminskiy, M., & Krivtsov, V. (2016). Reliability engineering and risk analysis: A practical guide (3rd ed.). CRC Press.

Moubray, J. (1997). Reliability-centered maintenance (2nd ed.). Butterworth-Heinemann.

Mukharror, M., et al. (2024). Collection and analysis of hydrocarbon gas buried onshore pipeline accidents in Indonesia as the databases for failure frequency assessment in a quantitative risk analysis. *Process Safety Progress*. [<https://aiche.onlinelibrary.wiley.com/doi/full/10.1002/prs.12577>](<https://aiche.onlinelibrary.wiley.com/doi/full/10.1002/prs.12577>)

PT Pertamina Hulu Energi WMO. (2023). Platform PHE 38 Line Instrument Gas Operational Report.

Rizki, M. (2020). Optimasi pemeliharaan sistem instrumen utilitas gas dengan pendekatan Failure Mode and Effect Analysis (FMEA). *Jurnal Pemeliharaan dan Teknik*.

Silva, F. J. G., Mendes, J. R. R., & Alves, R. G. (2022). Reliability assessment methodology applied to offshore oil and gas platforms. *Reliability Engineering and System Safety*, 225, 108559.

Smith, J. M., & Van Ness, H. C. (2020). Introduction to chemical engineering thermodynamics (8th ed.). McGraw-Hill Education.