



DAFTAR PUSTAKA

- Abb. (2013). *Essentials Of Safety Instrumented Systems*. (January).
- Adi Miftakhul Falaq Adi Miftakhul Falaq. (2015). *Study Penentuan Safety Integrity Level*.
- Aguilar-Otero, J. R., & Lopez-Ojeda, L. (2012). Risk - Based Inspection (Rbi), As A Tool For Managing Risks - Beyond Inspection Plans. *Global Congress On Process Safety 2012 - Topical Conference At The 2012 Aiche Spring Meeting And 8th Global Congress On Process Safety*, 2(March), 1628–1640. <Https://Doi.Org/10.13140/Rg.2.1.1288.3609>
- Ahmad, O. (2019). *Analisis Risiko Dengan Metode Hazard And Operability Study (Hazops) Dalam Penentuan Safety Integrity Level (Sil) Berbasis Risk Graph Dan Quantitative Method Pada Unit Boiler Pt X Risk Analysis Using Hazard Operability Study (Hazops) Pendahuluan Pros.* 25, 53–66.
- Ahmad Soleh Huddin. (2015). *Pelindung Dengan Menggunakan Layer Of Protection Analysis (Lopa) Pada Sistem Air Compressor 101j / Jt Di Pabrik Ammonia Pt . Petrokimia Gresik*.
- Ahn, J., Noh, Y., Joung, T., Lim, Y., Kim, J., Seo, Y., & Chang, D. (2019). Safety Integrity Level (Sil) Determination For A Maritime Fuel Cell System As Electric Propulsion In Accordance With Iec 61511. *International Journal Of Hydrogen Energy*, 44(5), 3185–3194. <Https://Doi.Org/10.1016/J.Ijhdydene.2018.12.065>
- Al, M. (2015). *Studi Aplikasi Metode Rbi Semi-Kuatitatif Api 581 Pada Production Separator*. 4(1).
- Albliwi, S. A., Antony, J., Arshed, N., & Ghadge, A. (2017). International Journal Of Quality & Reliability Management. *International Journal Of Quality & Reliability Management*, 34(4), 508–529.
- Antony, C. &. (1992). *Teknik Manajemen Pemeliharaan*. Jakarta: Erlangga.
- Ayu, D. (2015). *Studi Penentuan Safety Integrity Level (Sil) Pada Primary Reformer*. 6.
- Brataas, M. (2014). *Management Of The Integrity Of Safety Instrumented Systems*. (June).
- Budiono. (2003). Bab Iii Landasan Teori 3.1. <Http://E-Journal.Uajy.Ac.Id/7244/4/3tf03686.Pdf>, (2010), 15–48. Retrieved From <Http://E-Journal.Uajy.Ac.Id/7244/4/3tf03686.Pdf>
- Crawley, F., Preston, M., & Tyler, B. (2008). Hazop : Guide To Best Practice: Guidelines To Best Practice For The Process And Chemical Industries. In Elsevier.



- Cui, Z., Tian, W., Wang, X., Fan, C., Guo, Q., & Xu, H. (2019). Safety Integrity Level Analysis Of Fluid Catalytic Cracking Fractionating System Based On Dynamic Simulation. *Journal Of The Taiwan Institute Of Chemical Engineers*, 104, 16–26. <Https://Doi.Org/10.1016/J.Jtice.2019.08.008>
- Dacosta, S. R., I., A.-A. I., Musyafa, A., & Soeprijanto, A. (2017). Hazop Study And Fault Tree Analysis For Calculation Safety Integrity Level On Reactor-C.5-01, Oil Refinery Unit At Balikpapan-Indonesia. *Asian Journal Of Applied Sciences*, 5(2), 507–517. <Https://Doi.Org/10.24203/Ajas.V5i2.4634>
- Daniarta, S. (2016). *Perancangan Sistem Kontrol Antisurge Kompresor Berbasis Model Predictive Control (Mpc) Di Pabrik Amonia Pt . Petrokimia Gresik Design Of Compressor Anti-Surge Control Systems Based On Model Predictive Control (Mpc) In Ammonia Plant Pt .*
- Dunjó, J., Fthenakis, V., Vílchez, J. A., & Arnaldos, J. (2010). Hazard And Operability (Hazop) Analysis. A Literature Review. *Journal Of Hazardous Materials*, 173(1–3), 19–32. <Https://Doi.Org/10.1016/J.Jhazmat.2009.08.076>
- Dyah Arina Wahyu L, D. P. Dan D. W. H. (2007). *Analisis Remaining Life Dan Penjadwalan Program Inspeksi Pada Pressure Vessel Dengan Menggunakan Metode Risk Based Inspection (Rbi)*. 5(July), 16–20.
- Efendi, M. A., Anindita, G., & Mayangsari, E. N. (2018). *Evaluasi Hazop Untuk Analisis Kebutuhan Safety Integrity Level Dengan Metode (Flopa) Fuzzy Layer Of Protection Analysis Pada Waste Heat Boiler Di Industri Asam Fosfat*. (2581), 711–716.
- Faccio, M., Persona, A., Sgarbossa, F., & Zanin, G. (2014). Industrial Maintenance Policy Development: A Quantitative Framework. *International Journal Of Production Economics*, 147(Part A), 85–93. <Https://Doi.Org/10.1016/J.Ijpe.2012.08.018>
- Giardina, M., & Morale, M. (2015). Safety Study Of An Lng Regasification Plant Using An Fmea And Hazop Integrated Methodology. *Journal Of Loss Prevention In The Process Industries*, 35, 35–45. <Https://Doi.Org/10.1016/J.Jlp.2015.03.013>
- Haryadi, Haryanto, Gunawan, Wibowo, S. (2019). *Pada Pipa Gas Lurus Ø 14” Menggunakan Metode*. 19(1), 34–47.
- Henry, P. A., & Osage, D. A. (2014). Recent Developments And Technology Improvements In Api Risk-Based Inspection Planning Technology. *10th Process Plant Safety Symposium, Topical Conference At The 2008 Aiche Spring National Meeting*, (January), 175–203.
- Idc Technologies. (2012). *Overview Of Safety Instrumented Systems*. 1–97.
- Iec. (2003). Safety Instrumented Systems For The Process Industry Sector. *International Electronichal Comission, B.*



- Institute, A. P. (2000). Risk-Based Inspection Base Resource Document. *Api Publication 581*.
- Institute, A. P. (2016). *Api Rp 581 Risk-Based Inspection Methodology*. 3.
- Ishtiaque, S., Jabeen, S., & Shoukat, S. (2018). Hazop Study On Oil Refinery Waste Water Treatment Plant In Karachi. *Ssrn Electronic Journal*, (January 2018). <Https://Doi.Org/10.2139/Ssrn.2984527>
- Kurniati, N., Yeh, R. H., & Lin, J. J. (2015). Quality Inspection And Maintenance: The Framework Of Interaction. *Procedia Manufacturing*, 4(Iess), 244–251. <Https://Doi.Org/10.1016/J.Promfg.2015.11.038>
- Lucas De Oliveira, M., & Ruppenthal, J. E. (2018). Using The Hazop Procedure To Assess A Steam Boiler Safety System At A University Hospital Located In Brazil. *Revista Gestão Da Produção Operações E Sistemas*, 13(3), 259–275. <Https://Doi.Org/10.15675/Gepros.V13i3.1959>
- Melo-Gonzalez, Estrada-Garcia, Martinez-Fernandez, & Melendez-Hernandez. (2000). Evaluation Of The Safety Integrity Level (Sil) Of An Emergency Shutdown System Using Rigorous Reliability Methodologies. *Dk*, 53(9), 1689–1699. <Https://Doi.Org/10.1017/Cbo9781107415324.004>
- Moleong, L. J. (2012). *Metodologi Penelitian Kualitatif*.
- Musyafa, A., Kusumawardhani, S., Noriyati, R. D., & Justiono, H. (2015). Evaluation Of The Reliability And Prediction Maintenance On The Air Compressor System In Ammonia Plant Pt. Petrokimia Gresik. *Australian Journal Of Basic And Applied Sciences*, (April), 853–862.
- Noriyati, R. D., Prakoso, A. B., Musyafa, A., & Soeprijanto, A. (2017). Hazop Study And Determination Of Safety Integrity Level Using Fault Tree Analysis On Fuel Gas Superheat Burner Of Ammonia Unit In Petrochemical Plant, East Java. *Asian Journal Of Applied Sciences*, 5(2), 396–409. <Https://Doi.Org/10.24203/Ajas.V5i2.4683>
- Nugraha, A. (2016). *Studi Aplikasi Risk-Based Inspection (Rbi) Menggunakan Api 581 Pada Fuel Gas Scrubber Research Of Application Risk Based Inspection (Rbi) Using Api 581 On Fuel*.
- Pérez-Marín, M., & Rodríguez-Toral, M. A. (2013). Hazop - Local Approach In The Mexican Oil & Gas Industry. *Journal Of Loss Prevention In The Process Industries*, 26(5), 936–940. <Https://Doi.Org/10.1016/J.Jlp.2013.03.008>
- Permana, A. A., Julianto, E., & Husodo, A. W. (N.D.). *Penilaian Risiko Dan Penjadwalan Inspeksi Pada Pressure Vessel Gas Separation Unit Dengan Metode Risk Based Inspection Pada Cppg*. (2581), 297–303.



- Prasetyo, E. (2015). *Studi Aplikasi Risk-Based Inspection (Rbi) Pada Process Piping Pl-117-A 0,75", 2", 3", Dan 4" Dengan Metode Api 581 Base Resource Document Di Industri Minyak Dan Gas.*
- Purba, M. L., Budiasih, E., & Atmaji, F. T. D. (2020). *Usulan Optimasi Interval Inspeksi Dan Estimasi Remaining Life Pada Pressure Vessel Menggunakan Metode Risk Based Inspection (Rbi) Dengan Pendekatan Semi-Kuantitatif.* 19–24.
- Rossing, N. L., Lind, M., Jensen, N., & Jørgensen, S. B. (2010). A Functional Hazop Methodology. *Computers And Chemical Engineering*, 34(2), 244–253. <Https://Doi.Org/10.1016/J.Compchemeng.2009.06.028>
- Salaheldine Darwish, A., Salem Mansour, M., Farag, H., & Ezzat, K. H. (2020). Applying Lopa And Fuzzy Logic To Identify Sil Requirement For Safety Critical Functions In A Direct Reduction Iron Industry. *Alexandria Engineering Journal*. <Https://Doi.Org/10.1016/J.Aej.2020.06.003>
- Shibly, R. (2006). Development Of An Expert System To Conduct Automated Hazop Studies. *Journal Of Chemical Information And Modeling*, 53(9), 1689–1699. <Https://Doi.Org/10.1017/Cbo9781107415324.004>
- Shinta Kusumawardhani. (2015). *Evaluasi Reliability Pada Sistem Air Compressor 101j Di Pabrik Ammonia Pt . Petrokimia Gresik Reliability Evaluation On Air Compressor 101j System At Ammonia Factory Pt . Petrokimia Gresik.*
- Siddiquia, N. A., Abhishek, N., Sharmaa, M., & Srivastava, A. (2014). Risk Management Techniques Hazop & Hazid Study. *Occupational Health & Safety, Fire & Environment – Allied Science*, 1(1), 5–8.
- Silvianita, Khamidi, M. F., Rochani, I., & Chamelia, D. M. (2015). Hazard And Operability Analysis (Hazop) Of Mobile Mooring System. *Procedia Earth And Planetary Science*, 14, 208–212. <Https://Doi.Org/10.1016/J.Proeps.2015.07.103>
- Simon, C., Mechri, W., & Capizzi, G. (2019). Assessment Of Safety Integrity Level By Simulation Of Dynamic Bayesian Networks Considering Test Duration. *Journal Of Loss Prevention In The Process Industries*, 57(July 2018), 101–113. <Https://Doi.Org/10.1016/J.Jlp.2018.11.002>
- Smialkowski, K., Topalis, P., & Cornic, I. F. (2016). *3rd Edition Of The Api 581 Rbi Standard And Application Within The French Process Industries.*
- Soares, W. A., Vasconcelos, V. De, & Rabello, E. G. (2015). Risk-Based Inspection In The Context Of Nuclear Power Plants. *International Journal Nuclear Atlantic Conference - Inac 2015*, (October). <Https://Doi.Org/10.13140/Rg.2.1.1750.3128>
- Sutopo, H. . (2006). *Metodologi Penelitian Kualitatif.*
- U.S. Department Of Energy. (2003). *Compressed Air A Sourcebook For Industry.*



1–123.

- Vo, T. V., & Balkey, K. R. (1995). Risk-Based Inspection And Maintenance. *Probabilistic Structural Mechanics Handbook*, 388–415. Https://Doi.Org/10.1007/978-1-4615-1771-9_17
- Widariono, A. I. (2016). *Analisis Reliability Dan Safety Integrity Level (Sil) Pada Synthesis Gas Compressor 103-J Di Pabrik I Pt Petrokimia Gresik Analysis Reliability And Safety Integrity Level In Synthesis Gas Compressor 103-J At.*
- Zaqik, H. (2020). Analisis Menurunnya Tekanan Minyak Pelumas Pada Main Air Compressor Di Mv. Kt 06.
- Zhang, M., Liang, W., Qiu, Z., & Lin, Y. (2017). Application Of Risk-Based Inspection Method For Gas Compressor Station. *Journal Of Physics: Conference Series*, 842(1). <Https://Doi.Org/10.1088/1742-6596/842/1/012064>