

DAFTAR PUSTAKA

- [1] FLOUR. 1981. *Manual Book Foc II*. Cilacap: Flour
- [2] Pertamina, "Pertamina Direktorat Pemasaran Dan Niaga K3L1&Mm ," vol. Oktober, no. Rev. 3, 2008.
- [3] C. B. M. Coal, B. E. D. Methane, D. Sensor, and G. A. S. Tgs, "Universitas indonesia rancangan sistem pengukur konsentrasi gas cbm (coal bed methane) dengan sensor gas tgs 2611 berbasis mikrokontroler h8/3069f," 2012.
- [4] B. Su, Z. Luo, T. Wang, J. Zhang, and F. Cheng, "Experimental and principal component analysis studies on minimum oxygen concentration of methane explosion," *Int. J. Hydrogen Energy*, vol. 45, no. 21, pp. 12225–12235, 2020, doi: 10.1016/j.ijhydene.2020.02.133.
- [5] S. H. Setyono, "Model Dispersi Gas Metana Akibat Ledakan Atau Kebocoran Pada Industri Pengolahan Minyak Menggunakan Program Aloha," *Its*, 2018.
- [6] S. Thomas and N. Shahnaj Haider, "Instruments for Methane Gas Detection," *Int. J. Eng. Res. Appl.*, vol. 4, no. 5, pp. 137–143, 2014.
- [7] D. P. Nolan, "Fire and Gas Detection and Alarm Systems," *Handb. Fire Explos. Prot. Eng. Princ. Oil, Gas, Chem. Relat. Facil.*, pp. 303–329, 2019, doi: 10.1016/b978-0-12-816002-2.00017-9.
- [8] Bimbingan Profesi Sarjana Teknik Direktorat Pengolahan.(2007). Dasar Instrumentasi dan Proses Kontrol. Balongan : Pertamina
- [9] Kementerian ESDM, "Pembangunan Jaringan Gas Bumi untuk Rumah Tangga," *Direktorat Jenderal Miny. Dan Gas Bumi Kementeri. ESDM Republik Indones.*, pp. 1–140, 2014, [Online]. Available: <http://migas.esdm.go.id/uploads/buku-jargas-isi.pdf>.
- [10] R. Mandal, "Application of Gas Monitoring Sensors in Underground Coal Mines and Hazardous Areas," *Int. J. Comput. Technol. Electron. Eng.*, vol. 3, no. June 2013, pp. 9–23, 2013.
- [11] UU RI Nomor 1, "Undang-Undang Republik Indonesia Nomor 1 Tahun 1970 Tentang Keselamatan Kerja," *Pres. Republik Indones.*, no. 14, pp. 1–20, 1970, [Online]. Available: <https://jdih.esdm.go.id/storage/document/uu-01-1970.pdf>.
- [12] L. C. Cadwallader, K. G. DeWall, and J. S. Herring, "Hydrogen and oxygen gas monitoring system design and operation," *Am. Nucl. Soc. Embed. Top. Meet. - 2007 Int. Top. Meet. Saf. Technol. Nucl. Hydrog. Prod. Control. Manag.*, pp. 314–326, 2007.
- [13] K. Co, D. Tangki, and S. Pada, "Analisis Konsentrasi Gas Metana (Ch 4) Dan Karbondioksida (Co 2) Dari Tangki Septik Pada," 2018.

- [14] Afrox, "MSDS Methane," *Mater. Saf. data*, vol. 4, no. January, pp. 1–2, 2017.
- [15] J. Alcañiz-Monge, D. Lozano-Castelló, D. Cazorla-Amorós, and A. Linares-Solano, "Fundamentals of methane adsorption in microporous carbons," *Microporous Mesoporous Mater.*, vol. 124, no. 1–3, pp. 110–116, 2009, doi: 10.1016/j.micromeso.2009.04.041.
- [16] K. Pengantar, "DISUSUN OLEH: NAMA: ZARAH ARWIENY HANAMI NIM: D12113019 JURUSAN: TEKNIK SIPIL PRODI: TEKNIK LINGKUNGAN UNIVERSITAS HASANUDDIN."
- [17] Badan Standarisasi Nasional, *Nilai Ambang Batas (NAB) zat kimia di udara tempat kerja*. 2005.
- [18] S. Rachman and S. M. Sc, "Regulasi Pengendalian Bahan Karsinogen di Tempat Kerja : Upaya Mitigasi Morbiditas dan Mortalitas Kejadian Kanker pada Pekerja," pp. 2019–2021, 2021.
- [19] M. Yakub and S. M. Phuspa, "MANAJEMEN RISIKO KEBAKARAN PADA PT PERTAMINA EP ASSET 4 FIELD SUKOWATI Universitas Darussalam Gontor FIRE RISK MANAGEMENT AT PT PERTAMINA EP ASSET 4 FIELD dimana Pekerjaan utama PT Pertamina EP adalah," vol. 3, no. 2, 2019.
- [20] R. A. Akbar, "Pengaruh Paparan Ch4 Dan H2S Terhadap Keluhan Gangguan Pernapasan Pemulung Di Tpa Mrican Kabupaten Ponorogo," *J. Ind. Hyg. Occup. Heal.*, vol. 1, no. 1, p. 1, 2016, doi: 10.21111/jihoh.v1i1.603.
- [21] C. G. Detection, "Model S4000CH."
- [22] G. Monitors, "General Monitors S5000," vol. 1000000538.
- [23] L. Sun, F. Qiu, and B. Quan, "Investigation of a new catalytic combustion-type CH4 gas sensor with low power consumption," *Sensors Actuators, B Chem.*, vol. 66, no. 1, pp. 289–292, 2000, doi: 10.1016/S0925-4005(00)00527-X.
- [24] A. K. Joshi, V. M. Upadhye, and S. P. Madhe, "Design of Portable Air Purge Level Transmitter with Built-in Calibration Feature," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1012, no. 1, p. 012043, 2021, doi: 10.1088/1757-899x/1012/1/012043.
- [25] G. Monitors, "Model IR400."
- [26] I. D. C. Andrew, "Ground stations for analysis of electronic surveillance imagery," *IEE Conf. Publ.*, no. 463, pp. 418–421, 1999, doi: 10.1049/cp:19990226.
- [27] D. William, C, *Temperature and Heat, Fundamentals of Industrial Instrumentation And Process Control*. 2005.

- [28] Menteri Tenaga Kerja dan Transmigrasi, "Peraturan Menteri Tenaga Kerja dan Transmigrasi Republik Indonesia," *Peratur. Menteri tenaga Kerja dan Transm.*, vol. VII, no. 8, pp. 1–69, 2010, [Online]. Available: <https://indolabourdatabase.files.wordpress.com/2018/03/permenaker-no-8-tahun-2010-tentang-apd.pdf>.
- [29] H. Kakaei, M. Beygzadeh, F. Golbabaeei, M. R. Ganjali, M. Jahangiri, and S. J. Shahtaheri, "Preparation of a sepiolite/Cu-BDC nanocomposite and its application as an adsorbent in respirator cartridges for H₂S removal," *New J. Chem.*, vol. 43, no. 29, pp. 11575–11584, 2019, doi: 10.1039/c9nj01623f.
- [30] A. Muhsin and I. Syarafi, "ANALISIS KEHANDDALAN DAN LAJU KERUSAKAN PADA MESIN CONTINUOUS FRYING (STUDI KASUS : PT XYZ) Abstrak b . Data Waktu Kerusakan a . Data Komponen Kritis c . Data Waktu Perbaikan d . Pengolahan Data Menentukan distribusi yang paling sesuai dengan karakteristi," vol. 11, no. 1, pp. 28–34, 2018.
- [31] A. Mkhida, J. M. Thiriet, and J. F. Aubry, "Integration of intelligent sensors in Safety Instrumented Systems (SIS)," *Process Saf. Environ. Prot.*, vol. 92, no. 2, pp. 142–149, 2014, doi: 10.1016/j.psep.2013.01.001.
- [32] R. Hamidiyah, R. Wulandari, and S. Yunita, "Analisis Keandalan Berdasarkan SIS (Safety Instrumented System) pada P & ID (Piping & Inatrumentation Diagram) V opak Termin ermin al Merak," pp. 1–5.
- [33] Center for Chemical Process Safety, "Guidelines for Evaluating the Characteristics of Vapor Cloud Explosions, Flash Fires, and BLEVES CENTER FOR CHEMICAL PROCESS SAFETY of the," 1998.
- [34] U. B. of Mines and M. G. Zabetakis, *DRAFT TECHNICAL REPORT Flammability Characteristics of Combustible Gases and Vapors*, vol. 1999. 1999.
- [35] E. Naranjo, S. Baliga, and P. Bernascolle, "IR gas imaging in an industrial setting," *Thermosense XXXII*, vol. 7661, no. June, p. 76610K, 2010, doi: 10.1117/12.850137.
- [36] J. Kamieniak, E. P. Randviir, and C. E. Banks, "The latest developments in the analytical sensing of methane," *TrAC - Trends Anal. Chem.*, vol. 73, pp. 146–157, 2015, doi: 10.1016/j.trac.2015.04.030.
- [37] E. Naranjo and S. Baliga, "Early detection of combustible gas leaks using open path infrared (IR) gas detectors," *Adv. Environ. Chem. Biol. Sens. Technol.* IX, vol. 8366, no. May, p. 83660V, 2012, doi: 10.1117/12.919201.
- [38] C. Massie, G. Stewart, G. McGregor, and J. R. Gilchrist, "Design of a portable optical sensor for methane gas detection," *Sensors Actuators, B Chem.*, vol. 113, no. 2, pp. 830–836, 2006, doi: 10.1016/j.snb.2005.03.105.
- [39] S. A. Raheem, "Remote Monitoring of Safe and Risky Regions of Toxic Gases in Underground Mines : a Preventive Safety Measures," no. May,

2011.

- [40] N. F. Fatma, H. Ponda, and R. A. Kuswara, "Analisis Preventive Maintenance Dengan Metode Menghitung Mean Time Between Failure (Mtbf) Dan Mean Time To Repair (Mtrr) (Studi Kasus Pt. Gajah Tunggal Tbk)," *Heuristic*, vol. 17, no. 2, pp. 87–94, 2020, doi: 10.30996/heuristic.v17i2.4648.