DAFTAR PUSTAKA

[1] S. T. Hussain, *Sulfur dioxide: Properties, applications and hazards*. 2011.

[2] Government of Canada, *Human Health Risk Assessment for Sulphur Dioxide: Executive Summary*. 2016.

[3] D. Gusnita, "Impact of Forest Fires in Sumatra and Kalimantan to Atmospheric Pollution During Period Of 2010-2015," *JKPK (Jurnal Kim. dan Pendidik. Kim.*, vol. 6, no. 1, hal. 108, Apr 2021, doi: 10.20961/jkpk.v6i1.35027.

[4] N. Stevenson, "Global SO 2 - Emission Hotspot Database R - ANKING THE WORLD." Greenpeace Australia Pacific, Agu 16, 2019.

[5] C. S. Rahendaputri, M. Maria, dan R. N. Fausia, "Kajian Beban Emisi Pencemar Udara (NOx, CO, HC, PM10, SO2, CO2) Sektor Transportasi Darat Di Lingkungan Institut Teknologi Kalimantan Berdasarkan Jam Sibuk Dengan Metode Tier 2," *SPECTA J. Technol.*, vol. 4, no. 1, hal. 59–70, Apr 2020, doi: 10.35718/specta.v4i1.167.

[6] ATSDR, "Sulfur Dioxide (SO2) CAS 7446-09-5; UN 1079," *U.S. Dep. Heal. Hum. Serv.*, hal. 1–18, 2014, [Daring]. Tersedia pada: http://www.atsdr.cdc.gov/MHMI/mmg116.pdf.

[7] United Nations Environment Programme. dan World Health Organization., "Sulfur oxides and suspended particulate matter," hal. 107, 1979.

[8] A. L. Reno, E. G. Brooks, dan B. T. Ameredes, "Mechanisms of Heightened Airway Sensitivity and Responses to Inhaled SO2 in Asthmatics," *Environmental Health Insights*, vol. 9, no. s1. hal. EHI.S15671, Jan 01, 2015, doi: 10.4137/EHI.S15671.

[9] D. Sandrock, M. Backhaus, G. Burmester, dan D. L. Munz, "Bildgebende Verfahren in der Rheumatologie: Szintigraphie bei rheumatoider Arthritis,"

Z. Rheumatol., vol. 62, no. 5, hal. 476–480, 2003, doi: 10.1007/s00393-003-0515-x.

[10] W. H. Organization, *WHO global air quality guidelines: particulate matter (PM2.5 and PM10), ozone, nitrogen dioxide, sulfur dioxide and carbon monoxide*. World Health Organization, 2021.

[11] Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia, *Peraturan Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia Nomor P.14/MENLHK/SETJEN/KUM.1/7/2020 Tentang Indeks Standar Pencemar Udara*. Republik Indonesia: Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia, 2020, hal. 1–16.

[12] Environmental Protection Agency (EPA), *Review of the Primary National Ambient Air Quality Standards for Sulfur Oxides*. United States of America, 2019, hal. 9866–9907.

[13] United States Army Public Health Center, "Public Health Information Paper No. 43-01-0618 : Environmental Health Concerns Environmental Health Concerns Related to Volcanic Activity in Hawaii." United States Army Public Health Center, hal. 1–15, 2018, [Daring]. Tersedia pada: https://ph.health.mil/PHC Resource Library/PHIP-43-01-0618-VolcanicActivityinHawaii.pdf.

[14] Hawaii State Department of Health, *Department of Health Guidance on Short-term Sulfur Dioxide (SO2) Advisory Levels*. United States of America, 2019, hal. 1–2.

[15] P. B. Bakornas, "Pengenalan karakteristik bencana dan upaya mitigasinya di Indonesia," *Jakarta Badan Nas. Penanggulangan Bencana*, 2007.

[16] IEEE Computer Society, *IEEE Standard for Low - Rate Wireless Networks*, vol. 2020. New York, USA: Institute of Electrical and Electronics Engineers, Inc, 2020.

[17] U. U. Naik, S. R. Salgaokar, dan S. Jambhale, "IOT based air pollution

monitoring system," *Int. J. Sci. Res. Eng. Trends*, vol. 9, hal. 2395–566, 2023, Diakses: Okt 13, 2023. [Daring]. Tersedia pada: https://ijsret.com/wp-content/uploads/2023/07/IJSRET_V9_issue4_259.pdf.

[18] K. Adarsh *et al.*, "Detection and Real- Time Monitoring of Sulfur Dioxide Concentration from Automobile Exhaust Using IoT," *Proc. 6th Int. Conf. Commun. Electron. Syst. ICCES 2021*, hal. 649–656, 2021, doi: 10.1109/ICCES51350.2021.9489190.

[19] H. Subagiyo, R. Tri Wahyuni, M. Akbar, dan F. Ulfa, "Rancang Bangun Sensor Node untuk Pemantauan Kualitas Udara," *J. Sains, Teknol. dan Ind.*, vol. 18, no. 1, hal. 72, 2021, doi: 10.24014/sitekin.v18i1.11461.

[20] M. A. Ardi, F. H. Pristianto, M. Nurkahfi, dan R. M. Yasi, "Rancang Bangun Monitoring Gas Belerang Oksida Berbasis Internet of Things Studi Kasus Gunung Ijen," *J. Telecommun. Electron. Control Eng.*, vol. 1, no. 02, hal. 88–93, Jul 2019, doi: 10.20895/jtece.v1i02.90.

[21] Pemerintah Republik Indonesia, *Peraturan Pemerintah Republik Indonesia Nomor 66 tahun 2014 tentang Kesehatan Lingkungan*. Indonesia: Pemerintah Pusat Republik Indonesia, 2014.

[22] Environmental Health Intellegence New Zealand, "What is environmental health?," *Environmental Health Intellegence New Zealand*, 2021. https://www.ehinz.ac.nz/indicators/overview/what-is-environmental-health/#:~:text=Environmental health refers to aspects,psychosocial factors in the environment. (diakses Agu 03, 2023).

[23] B. W. Compton, *Sulfur Dioxide: Properties, Applications and Hazards*. Nova Science Publisher's, 2011.

[24] H. R. Pohl dan A. for T. S. and D. R. R. T. I. United States, "Toxicological Profile for Sulfur Dioxide," Agency for Toxic Substances and Disease Registry U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES, 1998. [Daring]. Tersedia pada:

https://stacks.cdc.gov/view/cdc/6358/cdc_6358_DS1.pdf.

[25] V. C. Broaddus *et al.*, *Murray & Nadel's textbook of respiratory medicine*. Elsevier Health Sciences, 2021.

[26] United States Geological Survey, "How much sulfur dioxide (SO2) gas does Kīlauea emit? | U.S. Geological Survey." https://www.usgs.gov/faqs/how-much-sulfur-dioxide-so2-gas-does-kilauea-emit (diakses Nov 08, 2023).

[27] R. Kamal, *Internet of Things: Architecture and Design Principles*. Mc Graw Hill India, 2017.

[28] "IEEE Standard for an Architectural Framework for the Internet of Things (IoT)," *IEEE Std 2413-2019*, hal. 1–269, 2020, doi: 10.1109/IEEESTD.2020.9032420.

[29] J. Fraden, *Handbook of Modern Sensors Fifth Edition*. 2016.

[30] G. Korotcenkov, *Handbook of Gas Sensor Materials: Properties, Advantages and Shortcomings for Applications Volume 1: Conventional Approaches*. Springer New York, 2013.

[31] G. Korotcenkov, *Handbook of Gas Sensor Materials*, vol. 1. New York, NY: Springer New York, 2013.

[32] G. Kreysa, K. Ota, dan R. F. Savinell, *Encyclopedia of Applied Electrochemistry*. Springer New York, 2014.

[33] J. Chou, *Hazardous Gas Monitors: A Practical Guide to Selection, Operation and Applications*. McGraw-Hill, 2000.

[34] SGX Sensortech (IS) Ltd, "Electrochemical Sensors Application Note 2 Design of Electronics for Electrochemical Gas Sensors." SGX Sensortech (IS) Ltd, 2010, [Daring]. Tersedia pada: https://www.sgxsensortech.com/content/uploads/2014/08/AN2-Design-of-Electronics-for-Electrochemical-Cells.pdf.

[35] Alphasense, "AAN 107-06 Alphasense Application Note." Alphasense,

Essex, 2009, [Daring]. Tersedia pada: https://www.alphasense.com/wp-content/uploads/2013/07/AAN_107-06.pdf.

[36] S. A. Thomas, *HTTP Essentials: Protocols for Secure, Scaleable Web Sites*. Wiley, 2001.

[37] C. Wong, *HTTP Pocket Reference: Hypertext Transfer Protocol*. O'Reilly Media, 2000.

[38] J. Wu, "Application Note : A Basic Guide to I2C." Texas Instruments Incorporated, 2022, [Daring]. Tersedia pada: https://www.ti.com/lit/an/sbaa565/sbaa565.pdf?ts=1697858703831&ref_url=https%253A%252F%252Fwww.google.com%252F.

[39] R. Hyde, *The Book of I2C: A Guide for Adventurers*. No Starch Press, 2022.

[40] J. Valdez dan J. Becker, "Application Report : Understanding the I2C Bus." Texas Instruments Incorporated, 2015, [Daring]. Tersedia pada: https://www.ti.com/lit/an/slva704/slva704.pdf?ts=1697858709222&ref_url=https%253A%252F%252Fwww.google.com%252F.

[41] S. F. Barrett dan D. J. Pack, *Microcontrollers Fundamentals for Engineers and Scientists*. Morgan \& Claypool Publishers, 2006.

[42] Handson Technology, "Datasheet WeMos D1 R32 ESP32 Wi-Fi and Bluetooth Board." Handson Technology, [Daring]. Tersedia pada: https://handsontec.com/dataspecs/module/ESP/WeMos D1 R32.pdf.

[43] D. Liu, *Cisco CCNA/CCENT Exam 640-802, 640-822, 640-816 Preparation Kit*. Elsevier Science, 2009.

[44] B. Roberts, *Beginner's Guide to Google Apps Script 1 - Sheets*, no. bk. 1. Amazon Digital Services LLC - Kdp, 2020.

[45] Google, "Google Spreadsheet Documentation," 2023. https://support.google.com/docs/topic/9054603?hl=id&ref_topic=1382883&sjid=544365902040231047-AP.

[46] Google, "Google Sheets doubles cell limit," *Google Workspace Updates*. Google, Mar 2022, [Daring]. Tersedia pada: https://workspaceupdates.googleblog.com/2022/03/ten-million-cells-google-sheets.html.

[47] S. Pulipati dan N. Kelly, *Data Storytelling with Google Looker Studio: A hands-on guide to using Looker Studio for building compelling and effective dashboards*. Packt Publishing, 2022.

[48] Google, "Selamat Datang di Looker Studio. - Bantuan looker studio," *Selamat datang di Looker Studio*. Google, [Daring]. Tersedia pada: https://support.google.com/looker-studio/answer/6283323?hl=id.

[49] J. P. Vasseur dan A. Dunkels, *Interconnecting Smart Objects with IP: The Next Internet*. Elsevier Science, 2010.

[50] S. M. Babamir, *Real-Time Systems, Architecture, Scheduling, and Application*. Rijeka: IntechOpen, 2012.

[51] F. H. Hung *et al.*, "Packet error rate analysis in IoT for industrial air conditioning system," in *IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society*, 2017, hal. 8367–8370, doi: 10.1109/IECON.2017.8217469.

[52] Teledyne Analytical Instruments, "Datasheet 6400T Series." Teledyne Analytical Instruments, [Daring]. Tersedia pada: https://www.teledyne-ai.com/Products/Gas-Analyzers/Documents/broc_6400T.pdf.

[53] DFRobot, "DFRobot SEN0470 Datasheet." https://wiki.dfrobot.com/SKU_SEN0465toSEN0476_Gravity_Gas_Sensor_Calibrated_I2C_UART.

[54] Hanwei Electronics, "Datasheet MQ-136 Gas Sensor." Hanwei Electronics, [Daring]. Tersedia pada: https://www.meterkala.com/media/uploads/files/products/MQ136.pdf.

[55] Emerson Automation Solution, “Electrochemical vs . Semiconductor Gas Detection – a Critical Choice,” *Ind. Autom. Asia*, hal. 42–43, 2019.