

DAFTAR PUSTAKA

- [1] R. Biantoro and C. A. Purwita, “Review : Pembuatan Serat Rayon,” *J. Selulosa*, vol. 9, no. 2, pp. 51–64, 2019.
- [2] “Bagaimana Viscose Dibuat?,” Asia Pacific Rayon. [Online]. Available: <https://www.aprayon.com/id/media-indonesian/artikel/bagaimana-viscose-dibuat/>. [Diakses 2026].
- [3] D. Kong, “How to avoid dryer fires and explosions,” Processingmagazine. [Online]. Available: <https://www.processingmagazine.com/material-handling-dry-wet/powder-bulk-solids/article/21261846/how-to-avoid-dryer-fires-and-explosions>. [Diakses 2025].
- [4] M. H. Mulla *et al.*, “A review of fire performance of plant-based natural fibre reinforced polymer composites,” *Int. J. Biol. Macromol.*, vol. 305, no. P2, p. 141130, 2025, doi: 10.1016/j.ijbiomac.2025.141130.
- [5] A. S. Mujumdar, *Handbook of Industrial Drying*, 3rd ed. CRC Press, 2006.
- [6] M. C. Barma, R. Saidur, S. M. A. Rahman, A. Allouhi, B. A. Akash, and S. M. Sait, “A review on boilers energy use, energy savings, and emissions reductions,” *Renew. Sustain. Energy Rev.*, vol. 79, no. March 2016, pp. 970–983, 2017, doi: 10.1016/j.rser.2017.05.187.
- [7] S. Nurhaliza, “Rugi akibat kebakaran cerobong pabrik di Pulogadung Rp600 juta,” Antaranews. [Online]. Available: <https://www.antaranews.com/berita/5082501/rugi-akibat-kebakaran-cerobong-pabrik-di-pulogadung-rp600-juta>. [Diakses 2025].
- [8] S. Nurhaliza, “Kerugian akibat kebakaran pabrik kopi di Matraman capai Rp1 miliar,” Antaranews. [Online]. Available: <https://www.antaranews.com/berita/5156433/kerugian-akibat-kebakaran-pabrik-kopi-di-matraman-capai-rp1-miliar>. [Diakses 2025].
- [9] Z. S. Burhanuddin, “Perancangan Fire Object Detection dengan Metode Algoritma YOLOv4-Tiny pada Penentuan Tracking Point Fire Position Berbasis Raspberry Pi 5,” Universitas Diponegoro, 2024.
- [10] A. Y. F. Nurbaity, “Rancang Bangun Sistem Pengukuran Gas Karbon Monoksida (CO) Menggunakan Mikrokontroler ESP32 Berbasis Internet of Things (IoT),” Universitas Diponegoro, 2022.
- [11] J. Eichmann, L. Fern, A. Sol, J. M. Jim, and S. Marco, “Early Fire Detection Based on Gas Sensor Arrays: Multivariate Calibration and Validation,” *Sensors Actuators B Chem.*, vol. 352, 2022, doi: 10.1016/j.snb.2021.130961.
- [12] E. C. for S. (CEN), “Fire detection and fire alarm systems – Part 26: Carbon monoxide detectors – Point detectors,” 2015. [Online]. Available: <https://standards.iteh.ai>
- [13] International Organization for Standardization, “ISO 7240-6:2011 Fire Detection and Alarm Systems — Part 6: Carbon Monoxide Fire Detectors Using Electro-Chemical Cells,” Geneva, 2011.
- [14] I. Siemens Industry, *Basics of PLCs: A quickSTEP Online Course*. United

- States: Siemens Industry, Inc., 2016.
- [15] Siemens, “SIMATIC S7-1200, CPU 1214C (6ES7214-1AG40-0XB0).” [Online]. Available: <https://www.industry-mobile-support.siemens-info.com/en/product/6ES72141AG400XB0>. [Diakses 2025].
- [16] I. Behnke and H. Austad, “Real-Time Performance of Industrial IoT Communication Technologies : A Review,” *IEEE Internet Things J.*, vol. 11, no. 5, pp. 7399–7410, 2024, doi: 10.1109/JIOT.2023.3332507.
- [17] M. Bin Ardin and A. M. Islami, “Rancang Bangun Pintu Otomatis dengan Menggunakan Sistem Interlock,” *Med. Trada J. Tek. Elektromedik Polbitrada*, vol. 4, no. 1, pp. 15–19, 2023.
- [18] K. H. J. Buschow, R. W. Cahn, and P. Veyssi re, Eds., “Encyclopedia of Materials: Science and Technology,” Elsevier, 2001.
- [19] S. AG, “Analog Input Module AI 4xI 2-wire 4...20mA HART Equipment Manual,” 2021. [Online]. Available: <https://support.industry.siemens.com/>. [Diakses 2025].
- [20] S. AG, “Processing of Analog Values,” SIMATIC S7-1200 Manual Collection. [Online]. Available: https://docs.tia.siemens.cloud/r/simatic_s7_1200_manual_collection_eses_20/plc-concepts/processing-of-analog-values. [Diakses 2025].
- [21] Y. Ma and H. Yao, “Research on understandability & cognitive load equilibrium of human-machine interface under time pressure ☆,” *Displays*, vol. 89, no. April, p. 102891, 2025, doi: 10.1016/j.displa.2024.102891.
- [22] Siemens, “6AV2124-0JC01-0AX0: SIMATIC HMI TP900 Comfort.” [Online]. Available: <https://support.industry.siemens.com/cs/pd/70559?pdti=pi&dl=nl&lc=nl-BE>. [Diakses 2025].
- [23] S. Hastin, N. Indarwati, and I. Gunadi, “Rancang Bangun Sistem Pengontrol Temperatur Menggunakan Mikrokontroler ATSAM3X8E pada Peralatan Ultrasonic Assisted Extraction (UEA),” *Youngster Phys. J.*, vol. 6, no. 4, pp. 339–347, 2017.
- [24] O. Perera, R. Liyanapathirana, G. Gargiulo, and U. Gunawardana, “A Review of Soft Robotic Actuators and Their Applications in Bioengineering, with an Emphasis on HASEL Actuators’ Future Potential,” *Actuators*, vol. 13, no. 12, 2024, doi: 10.3390/act13120524.
- [25] S. V Angadi and R. L. Jackson, “A critical review on the solenoid valve reliability , performance and remaining useful life including its industrial applications,” *Eng. Fail. Anal.*, vol. 136, no. September 2021, p. 106231, 2022, doi: 10.1016/j.engfailanal.2022.106231.
- [26] ASCO Numatics, “Solenoid Valves Series 262: Direct Operated for High Pressure Fluids 1/8–1/4,” 2012.
- [27] K. Zhao, Y. Lou, G. Peng, C. Liu, and H. Chang, “A Review of the Development and Research Status of Symmetrical Diaphragm Pumps,” *Symmetry (Basel)*, vol. 15, no. 11, 2023, doi: 10.3390/sym15112091.
- [28] Verderflex, “M025 Peristaltic Pump Datasheet.”
- [29] D. J. Griffin, “Peristaltic Pumps: What Are They and How Do They

- Work?” [Online]. Available: <https://www.ossila.com/pages/peristaltic-pumps-working-principles>. [Diakses 2025].
- [30] R. Mardiaty, F. Ashadi, and G. F. Sugihara, “Rancang Bangun Prototipe Sistem Peringatan Jarak Aman pada Kendaraan Roda Empat Berbasis Mikrokontroler,” *J. Telekomun. Elektron. Komputasi, dan Kontrol*, vol. 2, no. 1, pp. 53–61, 2016.
- [31] N. Kraus-Namrozy and D. Brzezińska, “Effectiveness of Swirl Water Mist Nozzles for Fire Suppression,” *Int. J. Environ. Res. Public Health*, vol. 19, no. 23, p. 16328, 2022, doi: 10.3390/ijerph192316328.
- [32] H. Ma, S. Zhou, C. Gao, F. Zhou, Y. Yang, and H. Yang, “Research on the Reliability Test and Life Assessment Methods of Relays Used in Circuit Breaker Operating Mechanism,” *Energies*, vol. 16, no. 13, p. 4843, 2023, doi: 10.3390/en16134843.
- [33] A. K. Al Bahar and F. A. Ashfahani, “Rancang Bangun Alat Hand Sanitizer Otomatis Menggunakan Arduino Uno R3 ATmega 328 dan Sensor Infrared,” *J. Ilm. Elektrokrisna*, vol. 9, no. 2, pp. 149–161, 2021.
- [34] ABB, “Miniature Circuit Breaker S202-C16,” 2025.
- [35] S. AG, “Pushbutton SIRIUS ACT 3SU1150-0AB40-3BA0,” 2024.
- [36] S. AG, “Emergency Stop Mushroom Pushbutton 3SU1000-1GB20-0AA0,” 2018.
- [37] P. F. van Oorschot and J. W. Pustjens, *The Resistor Guide*. EETech Media, LLC, 2022.
- [38] B. O’Connor, “Fire Extinguisher Types.” [Online]. Available: <https://www.nfpa.org/news-blogs-and-articles/blogs/2023/08/01/fire-extinguisher-types>. [Diakses 2026].
- [39] National Fire Protection Association (NFPA), “NFPA 13: Standard for the Installation of Sprinkler Systems,” Quincy, MA, 2022.
- [40] J. Fonollosa and A. Sol, “Chemical Sensor Systems and Associated Algorithms for Fire Detection : A Review,” *Sensors*, vol. 18, p. 553, 2018, doi: 10.3390/s18020553.
- [41] M. F. Haque, S. Park, and D. Yang, “Gas Sensors in Harsh Environments: Challenges and Advances in High Temperature, High Humidity, Radiative and Corrosive Conditions,” *J. Sci. Adv. Mater. Devices*, vol. 10, no. 4, p. 101049, 2025, doi: 10.1016/j.jsamd.2025.101049.
- [42] R. E. Walpole, R. H. Myers, S. L. Myers, and K. Ye, *Probability and Statistics for Engineers and Scientists*, 9th ed. Pearson, 2012.
- [43] International Electrotechnical Commission, “IEC 60038 – IEC Standard Voltages,” Geneva, 2009. [Online]. Available: <https://cdn.standards.iteh.ai/samples/14766/5e8e5d23162846b6881a9e03244e63e8/IEC-60038-2009.pdf>. [Diakses 2025].
- [44] P. GmbH, “PIC480.241C, PIC480.241C-C1 – PIANO Series 24V, 20A, 480W Single Phase Input,” 2025.
- [45] Draeger, “Dräger Polytron 7000: Detektor gas beracun dan oksigen.” [Online]. Available: https://www.draeger.com/id_id/Products/Polytron-7000. [Diakses 2025].