

## DAFTAR PUSTAKA

- Ayrancı, A. A., & Erkmen, B. (2024). IoT-Based Fire Detection: A Comparative Study of Machine Learning Techniques. *Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi*. <https://doi.org/10.28948/ngumuh.1444349>
- Darussalam, & Azwardi. (2019). Penggunaan IR Flame Sensor Sebagai Sistem Pendeteksi Api Berbasis Mikrokontroler pada Simulator Fire Suppression System. *Prosiding Seminar Nasional Teknik Mesin Politeknik Negeri Jakarta*, 603–611. <http://semnas.mesin.pnj.ac.id>
- Diaconu, B. M. (2023). Recent Advances and Emerging Directions in Fire Detection Systems Based on Machine Learning Algorithms. In *Fire* (Vol. 6, Issue 11). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/fire6110441>
- Ellaithy, D. M. (2023). Voltage-controlled oscillator based analog-to-digital converter in 130-nm CMOS for biomedical applications. *Journal of Electrical Systems and Information Technology*, 10(1). <https://doi.org/10.1186/s43067-023-00109-x>
- Ermanda, B. W., & Latifa, U. (2020). Kendali Relay Otomatis Dilengkapi Timer Dan Deteksi Suhu Menggunakan RTC DS3231. *Aisyah Journal of Informatics and Electrical Engineering Universitas Aisyah Pringsewu*, 5(2), 120–126. <http://jti.aisyahuniversity.ac.id/index.php/AJIEE>
- Fauziah, Prayitno, R. H., Yakti, B. K., & Kurniawan, A. B. (2022). Prototipe Sistem Pemadam Api Menggunakan Raspberry Pi Dengan Notifikasi Whatsapp. *Jurnal Ilmiah Informatika Komputer*, 27(3), 258–268. <https://doi.org/10.35760/ik.2022.v27i3.7761>

- François-Lavet, V., Henderson, P., Islam, R., Bellemare, M. G., & Pineau, J. (2018). An introduction to deep reinforcement learning. *Foundations and Trends in Machine Learning*, 11(3–4), 219–354. <https://doi.org/10.1561/22000000071>
- Géron, A. (2019). *Hands-on Machine Learning with Scikit-Learn, Keras, and TensorFlow Concepts, Tools, and Techniques to Build Intelligent Systems SECOND EDITION* (N. Tache, Ed.; Second Edition). <http://oreilly.com/catalog/errata.csp?isbn=9781492032649>
- Grant, G., Brenton, J., & Drysdale, D. (2000). Fire Suppression by Water Sprays. *Progress in Energy and Combustion Science* 26, 79–130. [www.elsevier.com/locate/peccs](http://www.elsevier.com/locate/peccs)
- Harianto, Hartadi, B., & Herlina, F. (2018). Perencanaan Proteksi Kebakaran Unit Komatsu WA600-3 Dengan Fire Supression. *Jurnal Teknik Mesin UNISKA*, 3(2), 70–73.
- Harjono, A. E., Hassan, A. F., Nelvani, R., Akhmad, H., Ahsanti Rahman, A., Misykatul Ulya, A., Azzahra Witania, F. P., Hana Fakhira, F., Nasywa Astrida, N., Kusuma Sari, R., Farid Susyitha, S. P., & Sapto Wibowo Sarjana Terapan Keselamatan dan Kesehatan, W. (2025). *PROGRAM PELATIHAN DAN SIMULASI KEBAKARAN SEBAGAI BENTUK MITIGASI BENCANA PADA PABRIK KEMBANG API* (Vol. 11).
- Ksihor, M., Yadav, C., Giri, M., & Yadav, A. (2023). *FIRE SENCE USING FLAME SENSOR*. [www.jetir.org](http://www.jetir.org)
- LAPAN. (2023, October). *Solenoid Valve : Pengertian, Fungsi, dan Cara Kerjanya*. Dirgantara Lapan. <https://dirgantara-lapan.or.id/apa-itu-solenoid-valve/>
- Mahardi, R. D., Sunuharjo, L., Hendrawan, D., Agri Wahyuadi, R., Prakosa Adhi Nugraha, S., Electrical Engineering, D., & Tinggi Teknik Pati, S. (2024).

- Desain Perancangan Buck Converter Berbasis IC LM2596. In *Jurnal Sains dan Ilmu Terapan* (Vol. 7).
- Noviansyah, M., & Saiyar, H. (2019). Perancangan Alat Kontrol Relay Lampu Rumah Via Mobile. *Jurnal AKRAB JUARA*, 4, 89–97.
- Permana, A. A., Wahyudin, Santoso, L. W., Wibowo, G. W. N., Wardhani, A. K., Rahmaddeni, Wahidin, A. J., Yuliasuti, G. E., Eisawati, Wijayanti, R. R., & Abdurrasyid. (2023). *MACHINE LEARNING*. [www.globaleksekutifteknologi.co.id](http://www.globaleksekutifteknologi.co.id)
- Rahmadini, Lubis, E. E. L., Priansyah, A., Yolanda, & Meutia, T. (2023). Penerapan Data Mining Untuk Memprediksi Harga Bahan Pangan Di Indonesia Menggunakan Algoritma K-Nearest Neighbor. *Jurnal Mahasiswa Akuntansi Samudra (JIMAS)*, 4(4), 223–235.
- Raspberry Pi Ltd. (2025, February 20). *RP2040 Datasheet A Microcontroller by Raspberry Pi*. <https://pip-assets.raspberrypi.com/categories/814-rp2040/documents/RP-008371-DS-1-rp2040-datasheet.pdf?disposition=inline>
- Raup, A., Ridwan, W., Khoeriyah, Y., Supiana, & Zaqiah, Q. Y. (2022). Deep Learning dan Penerapannya dalam Pembelajaran. *Jurnal Ilmiah Ilmu Pendidikan (JIIP)*, 5(9), 3258–3267. <http://jiip.stkipyapisdompou.ac.id>
- Ridhani, M. F., & Mahmudy, W. F. (2023). Advancements in Fire Alarm Detection using Computer Vision and Machine Learning: A Literature Review. In *Journal of Information Technology and Computer Science* (Vol. 8, Issue 2). [www.jitecs.ub.ac.id](http://www.jitecs.ub.ac.id)
- Saputra, A. B., Satra, R., & Mude, M. A. (2021). Rancang Bangun Sistem Pendeteksi Kebakaran Menggunakan Microcontroller Arduino Uno Dan Telegram. *Buletin Sistem Informasi Dan Teknologi Islam*, 2(4), 295–304.

- Sawant, S., Chauhan, B., Kumbhar, S., Chaudhari, G., & Thakar, P. (2024). Integrated Fire Detection System using ML and IOT. *International Journal for Research in Applied Science and Engineering Technology*, 12(5), 2091–2100. <https://doi.org/10.22214/ijraset.2024.61810>
- Sutton, R. S., & Barto, A. G. (2018). *Reinforcement Learning: An Introduction Second edition, in progress*.
- Thomas, P. S., da Silva, B. C., Barto, A. G., Giguere, S., Brun, Y., & Brunskill, E. (2019). Preventing undesirable behavior of intelligent machines. *Science*, 366(6468), 999–1004. <https://doi.org/10.1126/science.aag3311>
- Tomašková, M., Matisková, D., & Balážiková, M. (2020). Case Study to Determine the Causes of Fire in Agriculture. *Advances in Science, Technology and Engineering Systems*, 5(5), 11–15. <https://doi.org/10.25046/aj050502>
- Triady, R., Triyanto, D., & Ilhamsyah. (2015). Prototipe Sistem Keran Air Otomatis Berbasis Sensor Flowmeter Pada Gedung Bertingkat. *Jurnal Coding Sitem Komputer Untan*, 3, 25–34.
- Vaari, J., Hostikka, S., Sikanen, T., & Paajanen, A. (2012). Numerical Simulations on the Performance of Water-Based Fire Suppressions Systems. In *VTT Technology* (Vol. 54). VTT Technical Research Centre of Finland. <http://www.vtt.fi/publication/index.jsp>
- Virgiawan, D. A., Rahmana, S. D., & Azwardi. (2019). Rancang Bangun Simulator Fire Suppression System Berbasis Micro Controller. *Prosiding Seminar Nasional Teknik Mesin Politeknik Negeri Jakarta*, 612–618. <http://semnas.mesin.pnj.ac.id>
- Wang, J. (2024). *Overview of Structure Design and Development of Analog to Digital Converter*. <https://doi.org/10.54254/2755-2721/114/2024.18199>
- Zahrai, S. A., & Onabajo, M. (2018). Review of analog-to-digital conversion characteristics and design considerations for the creation of power-efficient

hybrid data converters. In *Journal of Low Power Electronics and Applications* (Vol. 8, Issue 2). MDPI AG. <https://doi.org/10.3390/jlpea8020012>

