

DAFTAR PUSTAKA

Abdelaziz, N. Y., Hammam, N. M., Megahed, N. F., dan Qamar, N. E. (2022). Characterizing drift behavior in type K and N thermocouples after high temperature thermal exposures. *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, 97(1), 62–74. <https://doi.org/10.37934/arfmts.97.1.6274>

Acim Jouanin. (n.d.). STANDARD CARTRIDGE HEATERS [Dataset]. <https://docs.rs-online.com/9105/0900766b80ff6a27.pdf>

Actuators. (n.d.). <https://www.mdpi.com/journal/actuators>

Agharkar, A. N., Hajra, D., Roy, D., Jaiswal, V., Kabi, P., Chakravorty, D., dan Basu, S. (2024). Evaporation of bacteria-laden surrogate respiratory fluid droplets: On a hydrophilic substrate vs contact-free environment confers differential bacterial infectivity. *Physics of Fluids*, 36(3). <https://doi.org/10.1063/5.0196219>

Ahmaruzzaman, M., Mishra, S. R., Gadore, V., Yadav, G., Roy, S., Bhattacharjee, B., Bhuyan, A., Hazarika, B., Darabdhara, J., & Kumari, K. (2024). Phenolic compounds in water: From toxicity and source to sustainable solutions – An integrated review of removal methods, advanced technologies, cost analysis, and future prospects. *Journal of Environmental Chemical Engineering*, 12(3), 112964. <https://doi.org/10.1016/j.jece.2024.112964>

Algburi, R. N. A., Aljibori, H. S. S., Al-Huda, Z., Sowoud, K. M., Algabri, R., dan Al-Antari, M. A. (2024). Development of an artificial intelligence-PLC temperature controller for a cement factory for decreasing contamination. In *IEEE* (Vol. 3, pp. 1–10). <https://doi.org/10.1109/idap64064.2024.10710872>

alldatasheet.com. (n.d.-a). A3144 PDF. <https://www.alldatasheet.com/datasheet-pdf/view/55092/ALLEGRO/A3144.html>

alldatasheet.com. (n.d.). E5CN-R2MT-500 PDF. <https://www.alldatasheet.com/datasheet-pdf/view/197656/OMRON/E5CN-R2MT-500.html>

alldatasheet.com. (n.d.). *ESP32 Datasheet* [PDF]. Alldatasheet. https://www.alldatasheet.com/view_datasheet.jsp?Searchword=ESP32

Álvarez, M., Jiménez, J. J., De Ardoz, T., González-Guerrero, M., Hernando, C., dan Guerrero, H. (2012). Total ionizing dose radiation test on the temperature sensor TMP36 from analog devices. In IEEE Conference Publication — IEEE Xplore. <https://ieeexplore.ieee.org/document/6353709?reload=truedanarnumber=6353709>

Balaji, L., Ramanan, L., Nandhagopal, M., dan Subramaniam, J. (2024). Examining Diagnostic efficacy: GeneXpert versus traditional staining Techniques with Culture in the diagnosis of tuberculosis. *Cureus*. <https://doi.org/10.7759/cureus.63641>

Chen, C., Wu, K., & Hwang, S. (2018). Development of a servo-hydraulic system with a self-tuning fuzzy PID controller to simulate injection molding process. *Microsystem Technologies*, 27(4), 1217–1238. <https://doi.org/10.1007/s00542-018-4171-0>

Chen, Y., Yang, S., Li, J., dan Li, X. (2024). Simple calibration and test of K-Type wire thermocouple. *Journal of Machinery Manufacture and Reliability*, 53(6), 632–639. <https://doi.org/10.1134/s1052618824701358>

Czech, T. L., Nelson, P. P., Thölken, C., Meyer, P., Hess, T., Chung, H.-R., dan Adhikary, T. (2024). Pi-seq—A customizable multichannel syringe pump for microfluidics. *Elsevier*, 18(e00517). <https://doi.org/10.1016/j.ohx.2024.e00517>

Daffe, M., dan Marrakchi, H. (2019). Unraveling the structure of the Mycobacterial Envelope. *Microbiology Spectrum*. <https://doi.org/10.1128/microbiolspec.gpp3-0027-2018>

De Oliveira, A. D., Maturana, C. R., Serrat, F. Z., Carvalho, B. M., Sulleiro, E., Prats, C., Veiga, A., Bosch, M., Zulueta, J., Abelló, A., Sayrol, E., Joseph-Munné, J., dan López-Codina, D. (2024). Development of a low-cost robotized

- 3D-prototype for automated optical microscopy diagnosis: An open-source system. PLoS ONE, 19(6), e0304085. <https://doi.org/10.1371/journal.pone.0304085>
- Dhumal, A. R., Kulkarni, A. P., dan Ambhore, N. H. (2023). A comprehensive review on thermal management of electronic devices. Journal of Engineering and Applied Science, 70(1). <https://doi.org/10.1186/s44147-023-00309-2>
- DigiKey. (n.d.). MG996R Datasheet [Dataset]. <https://www.digikey.com/en/htmldatasheets/production/5014637/0/0/1/mg996r>
- Doig, C., Seagar, A. L., Watt, B., dan Forbes, K. J. (2002). The efficacy of the heat killing of Mycobacterium tuberculosis. Journal of Clinical Pathology, 55(10), 778–779. <https://doi.org/10.1136/jcp.55.10.778>
- Dong, B., He, Z., Li, Y., Xu, X., Wang, C., dan Zeng, J. (2022). Improved conventional and new approaches in the diagnosis of tuberculosis. Frontiers in Microbiology, 13. <https://doi.org/10.3389/fmicb.2022.924410>
- Dyer, S. A. (2004). Wiley Survey of Instrumentation and Measurement. John Wiley dan Sons.
- Elen, A., dan Turan, M. K. (2023). Design of a low-cost and fully automated digital microscope system. Multimedia Tools and Applications, 83(15), 46221–46247. <https://doi.org/10.1007/s11042-023-17453-9>
- Esen, V., Sağlam, Ş., dan Oral, B. (2017). Light sources of solar simulators for photovoltaic devices: A review. Renewable and Sustainable Energy Reviews, 77, 1240–1250. <https://doi.org/10.1016/j.rser.2017.03.062>
- Fan, Y., Hsu, C., Wu, J., Tsai, Y., Chen, W. J., Lee, M., Hsu, F., & Liao, L. (2024). Enhancing Safety with an AI-Empowered Assessment and Monitoring System for BSL-3 Facilities. Heliyon, 11(1), e40855. <https://doi.org/10.1016/j.heliyon.2024.e40855>

- Fandriyanto, A., Utama, N. P., dan Danudirdjo, D. (2024). Development of AI-Based Field-Of-View Scanning Microscope for Automatic Detection of Tuberculosis. *IEEE*, 267–272. <https://doi.org/10.1109/icos62600.2024.10636910>
- Fedynets, V., dan Vasykivskyi, I. (2023)]. Theory and practice of temperature measurement by thermoelectric transducers. *Energy Engineering and Control Systems*, 9(2), 82–92. <https://doi.org/10.23939/jeecs2023.02.082>
- Fukui, Y., Minami, K., Shiba, K., Yoshikawa, G., Tsuda, K., dan Tamura, R. (2024). Automated odor-blending with one-pot Bayesian optimization. *Digital Discovery*, 3(5), 969–976. <https://doi.org/10.1039/d3dd00215b>
- González, B., Domínguez, A., & Tojo, J. (2004). Dynamic Viscosities, Densities, and Speed of Sound and Derived Properties of the Binary Systems Acetic Acid with Water, Methanol, Ethanol, Ethyl Acetate and Methyl Acetate at T = (293.15, 298.15, and 303.15) K at Atmospheric Pressure. *Journal of Chemical & Engineering Data*, 49(6), 1590–1596. <https://doi.org/10.1021/je0342825>
- Ha, H., dan Jeong, J. (2021). CNN-Based defect inspection for injection molding using edge computing and industrial IoT systems. *Applied Sciences*, 11(14), 6378. <https://doi.org/10.3390/app11146378>
- Hipolo, L., Carrera, W., dan Catano, M. (2019). Design and development of an automatic sequential sputum sample staining system to improve efficiency in the diagnosis of tuberculosis in developing countries. 2019 7th International Engineering, Sciences and Technology Conference (IESTEC), 526–531. <https://doi.org/10.1109/iestec46403.2019.00100>
- Huang, H., Sun, D., Mills, J. K., dan Han Cheng, S. (2008). Integrated vision and force control in suspended cell injection System: towards automatic batch biomanipulation. In *IEEE Conference Publication — IEEE Xplore*. <https://ieeexplore.ieee.org/document/4543732?form=MG0AV3>
- Huang, Q., Yue, L., Li, X., dan Wang, P. (2024). A correlation to calculate ti-

me constant of thermocouples. *Applied Thermal Engineering*, 246, 122920. <https://doi.org/10.1016/j.applthermaleng.2024.122920>

Holzmann, H., Landersheim, V., Piram, U., Bartolozzi, R., Stoll, G., dan Atzrodt, H. (2023). Fault injection in actuator models for testing of automated driving functions. *Vehicles*, 5(1), 94–110. <https://doi.org/10.3390/vehicles5010006>

Hota, S. S., Panda, D., dan Choudhary, R. N. P. (2024). Investigation of sintering temperature effect on structural, dielectric, electrical and ferroelectric behavior of multielement (CS, MN, W) modified BIFEO₃ complex perovskite for thermistor device. *Transactions on Electrical and Electronic Materials*. <https://doi.org/10.1007/s42341-024-00558-9>

Jacobo-Delgado, Y. M., Rodríguez-Carlos, A., Serrano, C. J., dan Rivas-Santiago, B. (2023). Mycobacterium tuberculosis cell-wall and antimicrobial peptides: a mission impossible? *Frontiers in Immunology*, 14. <https://doi.org/10.3389/fimmu.2023.1194923>

Jafarzadeh, M., & Farokhi, F. (2016). Design and construction of an automatic syringe injection pump. *Pacific Science Review a Natural Science and Engineering*, 18(2), 132–137. <https://doi.org/10.1016/j.psra.2016.09.015>

JOGJAROBOTIKA. (n.d.). Pompa Mini Micro Submersible Water Pump 3V-5V DC Amphibious - putih. jogjarobotika.com. <https://jogjarobotika.com/motor-dc-waterair-pumpaksesori/5662-pompa-mini-micro-submersible-water-pump-3v-5v-dc-amphibious-putih.html>

Kartawiguna, D. (2018). *Instrumentasi Pemindai Tomografi Komputer: Dari Sumber Tunggal hingga Multi Detektor Sumber Ganda*. Ubn.

Kementerian Kesehatan Republik Indonesia. (2017). *Petunjuk teknik pemeriksaan TB menggunakan tes cepat molekuler*.

Kementerian Kesehatan Republik Indonesia 2022. (2022). *PETUNJUK TEKNIK PEMERIKSAAN MIKROSKOPIS TUBERKULOSIS*.

Kementerian Kesehatan Republik Indonesia 2023. (2024). Petunjuk Teknis Tata Laksana Tuberkulosis Anak dan Remaja – TB Indonesia (1st ed.)

Khan, M., Swierczynski, M., dan Kær, S. (2017). Towards an ultimate battery thermal management system: A review. *Batteries*, 3(1), 9. <https://doi.org/10.3390/batteries3010009>

Korompili, G., Kanakaris, G., Ampatis, C., dan Chronis, N. (2018). A portable, optical scanning microsystem for large field of view, high resolution imaging of biological specimens. *Sensors and Actuators a Physical*, 279, 367–375. <https://doi.org/10.1016/j.sna.2018.06.034>

Li, H. (2024). Pt100 temperature measurement sensors design and transducer simulation. *Journal of Physics Conference Series*, 2897(1), 012011. <https://doi.org/10.1088/1742-6596/2897/1/012011>

Li, S., Scheiger, J. M., Wang, Z., Huber, B., Hoffmann, M., Wilhelm, M., & Levkin, P. A. (2023). Diapers to thickeners and Pressure-Sensitive adhesives: recycling of superabsorbers via UV degradation. *ACS Applied Materials & Interfaces*, 15(37), 44186–44193. <https://doi.org/10.1021/acsami.3c06999>

Ljungblad, S., Holmsten, M., Josefson, L., dan Klevedal, B. (2013). Long term stability and hysteresis effects in Pt100 sensors used in industry. *AIP Conference Proceedings*, 421–426. <https://doi.org/10.1063/1.4819578>

Mammadzada, R. (2023). Fuzzy Logic Control in Temperature Sensing Systems: An In-Depth Review of Sensor Integration Techniques. *ITTA*, 3, 1–14. <https://doi.org/10.54381/itta2024.30>

Mejbel, F. a. H., Aljanaby, I. a. J., Hadrawi, K. K. A., Aljanaby, A. a. J. (2023). Pulmonary tuberculosis risks and challenges. *E3S Web of Conferences*, 381, 01101. <https://doi.org/10.1051/e3sconf/202338101101>

Mohindru, P. (2023). A novel thermal effect minimization method on water bath system using F2PID controller. *International Journal of Electrical and Electro-*

- nics Engineering, 10(12), 102–113. <https://doi.org/10.14445/23488379/ijeeev10i12p111>
- Natarajan, A., Beena, P., Devnikar, A. V., dan Mali, S. (2020). A systemic review on tuberculosis. *Indian Journal of Tuberculosis*, 67(3), 295–311. <https://doi.org/10.1016/j.ijtb.2020.02.005>
- Nouira, M., Rayana, H. B., dan Ennigrou, S. (2024). How useful is the tuberculin skin test for tuberculosis detection: Assessing diagnostic accuracy metrics through a large Tunisian case-control study. *F1000Research*, 12, 1297. <https://doi.org/10.12688/f1000research.138211.2>
- Ordóñez, J., De Garayo, S. D., Martínez, Á., Algarra, F., dan Astrain, D. (2024). Design and analysis of a Two-Stage cascade system for heating and hot water production in nearly Zero-Energy buildings using thermoelectric technology. *Buildings*, 14(12), 3988. <https://doi.org/10.3390/buildings14123988>
- Orgeur, M., Sous, C., Madacki, J., dan Brosch, R. (2024). Evolution and emergence of *Mycobacterium tuberculosis*. *FEMS Microbiology Reviews*, 48(2). <https://doi.org/10.1093/femsre/fuae006>
- Osman, M. K., Mashor, M. Y., dan Jaafar, H. (2010). Detection of mycobacterium tuberculosis in Ziehl-Neelsen stained tissue images using Zernike Moments and hybrid multilayered Perceptron network. In *IEEE Conference Publication — IEEE Xplore*. IEEE. <https://ieeexplore.ieee.org/document/5642191>
- Osman, M. K., Mashor, M. Y., dan Jaafar, H. (2011). Tuberculosis bacilli detection in Ziehl-Neelsen-stained tissue using affine moment invariants and extreme learning machine. In *IEEE Conference Publication — IEEE Xplore*. <https://ieeexplore.ieee.org/abstract/document/5759878>
- Pai, M., Minion, J., Sohn, H., Zwerling, A., dan Perkins, M. D. (2009). Novel and Improved Technologies for Tuberculosis diagnosis: progress and challenges. *Clinics in Chest Medicine*, 30(4), 701–716. <https://doi.org/10.1016/j.ccm.2009.08.016>

- Palekyte, A., Morkowska, A., Billington, O., Morris-Jones, S., Millard, J., Marakalala, M. J., Owolabi, O., Sambou, B., Zumla, A., Sutherland, J. S., McHugh, T. D., dan Honeyborne, I. (2024). Acetic Acid Enables Molecular Enumeration of Mycobacterium tuberculosis from Sputum and Eliminates the Need for a Biosafety Level 3 Laboratory. *Clinical Chemistry*, 70(4), 642–652. <https://doi.org/10.1093/clinchem/hvae013>
- Panicker, R. O., Soman, B., Saini, G., dan Rajan, J. (2015). A Review of Automatic Methods Based on Image Processing Techniques for Tuberculosis Detection from Microscopic Sputum Smear Images. *Journal of Medical Systems*, 40(1). <https://doi.org/10.1007/s10916-015-0388-y>
- Papagelis, K. (2018). An evaluation of graphene as a Multi-Functional heating element for biomedical applications
- Patel, A., Nguyen, L., Shea, C., Singh, S., dan Venketaraman, V. (2024). The Role of mTOR in Mycobacterium tuberculosis Infection. *Biomedicines*, 12(10), 2238. <https://doi.org/10.3390/biomedicines12102238>
- Phyu, M. T., Myint Htwe, N. M., dan Thin, N. S. (2020). TEMPERATURE MONITORING SYSTEM USING LM35 AND PIC MICROCONTROLLER. *International Research Journal of Modernization in Engineering Technology and Science*, 2(7), 777–784.
- Piechowski, L., Muc, A., dan Iwaszkiewicz, J. (2021). The Precise Temperature Measurement System with Compensation of Measuring Cable Influence. *Energies*, 14(24), 8214. <https://doi.org/10.3390/en14248214>
- Prasetyono, T. O. H., & Adhistana, P. (2019). Laboratory study on injection force measurement on syringe and needle combinations. *Malaysian Journal of Medical Sciences*, 26(2), 66–76. <https://doi.org/10.21315/mjms2019.26.2.8>
- R, J. C. T. S. (2013). Comparison of Variants of Carbol Fuchsin & Phenol in Ziehl Neelsen Staining to Detect AFB. *Mycobacterial Diseases*, 03(03). <https://doi.org/10.4172/2161-1068.1000131>

- Raefat, S., Garoum, M., Laaroussi, N., Khattabi, E. M. E., dan Rhachi, M. (2018). An extended hot plate method for measurement of thermal conductivity variation with temperature of building materials. *IOP Conference Series Materials Science and Engineering*, 446, 012007. <https://doi.org/10.1088/1757-899x/446/1/012007>
- Rakrak, M. (2025). Exploring variability in data: the role of range, variance, and standard deviation. *INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH AND ANALYSIS*, 08(03). <https://doi.org/10.47191/ijmra/v8-i03-47>
- Raval, N. (2024, June 24). IEEE Sensors Journal - IEEE Sensors Council. IEEE Sensors Council. <https://ieee-sensors.org/ieee-sensors-journal/?form=MG0AV3>
- Ren, K., Xie, Y., Wang, C., Yan, J., Shi, Y., Guo, J., dan Guo, J. (2023). Application of the fuzzy proportional integral differential (PID) temperature control algorithm in a liver function test system based on a centrifugal microfluidic device. *Talanta*, 268, 125330. <https://doi.org/10.1016/j.talanta.2023.125330>
- ROBOTIS e-Manual. (n.d.). ROBOTIS e-Manual. <https://emanual.robotis.com/docs/en/dxl/ax/ax-12a/>
- Salgado, M., Zarate, G., Coronel, J., Comina, G., Gilman, R. H., Sheen, P., Oberhelman, R., dan Zimic, M. (2021). Low-cost 3D-printed inverted microscope to detect Mycobacterium tuberculosis in a MODS culture. *Tuberculosis*, 132, 102158. <https://doi.org/10.1016/j.tube.2021.102158>
- Salido, J., Sánchez, C., Ruiz-Santaquiteria, J., Cristóbal, G., Blanco, S., dan Bueno, G. (2020). A Low-Cost automated digital microscopy platform for automatic identification of diatoms. *Applied Sciences*, 10(17), 6033. <https://doi.org/10.3390/app10176033>
- Samath, M., Kamath, S., Nayak, V., Tendulkar, D. (2022). Implementation of automatic temperature control for confined area. *Journal of Physics Conference Series*, 2325(1), 012030. <https://doi.org/10.1088/1742-6596/2325/1/012030>

Samoylova, N. A., Gureev, A. P., & Popov, V. N. (2023). Methylene Blue Induces Antioxidant Defense and Repair of Mitochondrial DNA in a Nrf2-Dependent Manner during Cisplatin-Induced Renal Toxicity. *International Journal of Molecular Sciences*, 24(7), 6118. <https://doi.org/10.3390/ijms24076118>

Sandeep, P., dan Prakasam, V. (2019). LM35 Temperature Sensor using LabVIEW and NI MyDAQ. *International Journal of Innovative Technology and Exploring Engineering*, 9(1), 3073–3077. <https://doi.org/10.35940/ijitee.a9136.119119>

Saravanan, D., Bhavya, R., Archanaa, G. I., Karthika, D., dan Subban, R. (2017). Research on Detection of Mycobacterium Tuberculosis from Microscopic Sputum Smear Images Using Image Segmentation. In *IEEE Conference Publication — IEEE Xplore*. <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=danarnumber=8524222>

Schrader, P., Burger, I., Maurer, F., Traxl, A., Herrmann, J., dan Rothhaar, U. (2024). Functional testing of prefillable glass syringes aligned with ISO 11040 guidelines. *Schott Pharma*, 16(1).

Schwarzenbach, F., Berteau, C., Filipe-Santos, O., Wang, T., Rojas, H., & Granger, C. (2015). Evaluation of the impact of viscosity, injection volume, and injection flow rate on subcutaneous injection tolerance. *Medical Devices Evidence and Research*, 473. <https://doi.org/10.2147/mder.s91019>

Shenzhen Willhi Electronics Co., Ltd. (n.d.). Thermostat Product Manual [Dataset]. <https://www.ankas.lt/images/stories/PDF/wh7016c.pdf>

Sinchai, A., Boonyang, K., dan Simmala, T. (2024). Development of a Low-Cost automated injection molding device for sustainable plastic recycling and circular economy applications. *Inventions*, 9(6), 124. <https://doi.org/10.3390/inventions9060124>

Southern Biological. (n.d.). SAFETY DATA SHEET (SDS) Carbol Fuchsin 1% [Dataset]. https://www.southernbiological.com/content/MSDS/si4.5_carbol_fuchsin_SDS_2023.pdf

Sua, L. F., Bolaños, J. E., Maya, J., Sánchez, A., Medina, G., Zúñiga-Restrepo, V., dan Fernández-Trujillo, L. (2020). Detection of mycobacteria in paraffin-embedded Ziehl–Neelsen-Stained tissues using digital pathology. *Tuberculosis*, 126, 102025. <https://doi.org/10.1016/j.tube.2020.102025>

Tamura, G., Llano, G., Aristizábal, A., Valencia, J., Sua, L., dan Fernandez, L. (2024). Machine-learning methods for detecting tuberculosis in Ziehl-Neelsen stained slides: A systematic literature review. *Intelligent Systems With Applications*, 22, 200365. <https://doi.org/10.1016/j.iswa.2024.200365>

Telis, V., Telis-Romero, J., Mazzotti, H., & Gabas, A. (2007). Viscosity of aqueous carbohydrate solutions at different temperatures and concentrations. *International Journal of Food Properties*, 10(1), 185–195. <https://doi.org/10.1080/10942910600673636>

User Experience Questionnaire (UEQ). (n.d.). <https://www.ueq-online.org/>

Vilchèze, C., dan Kremer, L. (2017). Acid-Fast Positive and Acid-Fast Negative-*Mycobacterium tuberculosis*: The Koch Paradox. *Microbiology Spectrum*, 5(2). <https://doi.org/10.1128/microbiolspec.tbtb2-0003-2015>

Villarreal, J. G., Sanchez, M. C., dan Soria, W. C. (2021). Implementation of a Low-Cost automatic bacilloscopy system for the diagnosis of tuberculosis. In *IEEE Conference Publication — IEEE Xplore*. <https://ieeexplore.ieee.org/document/9422625>

Wang, Z., Sun, J., Lv, K., Huang, X., Yuan, Z., & Zhang, Y. (2024). Mechanisms of low temperature thickening of different materials for deepwater Water-Based drilling fluids. *Gels*, 10(12), 789. <https://doi.org/10.3390/gels10120789>

World Health Organization. (2023). *Global Tuberculosis Report 2023*. In World Health Organization (ISBN 978-92-4-008385-1). <https://iris.who.int/bitstream/handle/10665/373828/9789240083851-eng.pdf?sequence=1>

World Health Organization: WHO. (2024, August 7). The top 10 causes of death.
<https://www.who.int/news-room/fact-sheets/detail/the-top-10-causes-of-death>

Whulanza, Y., Ammar, H., Haryadi, D., Pangesty, A. I., Widoretno, W., Subekti, D. T., dan Charmet, J. (2024). High-Performance, Easy-to-Fabricate, nanocomposite heater for life sciences and biomedical applications. *Polymers*, 16(8), 1164.
<https://doi.org/10.3390/polym16081164>

Wulandhani, S., Wahyuni, A., Hasyim, A., dan Misnarliah. (2024). PEWARNAAN GRAM ISOLAT BAKTERI DARI LIMBAH BIOMEDIS CAIR RUMAH SAKIT UNHAS DENGAN METODE ZIEHL NEELSEN. *e-journal.my.id*. <https://doi.org/10.30605/biogenerasi.v10i1.4386>

Wu, Y., Chen, Y., dan Cheng, Y. (2024). Building an Arduino-Based Open-Source programmable multichannel syringe pump: a useful tool for fluid delivery in microfluidics and flow chemistry. *Journal of Chemical Education*, 101(5), 1951–1958. <https://doi.org/10.1021/acs.jchemed.4c00033>

Xu, M., Fralick, D., Zheng, J. Z., Wang, B., Tu, X. M., & Feng, C. (2017). The differences and similarities between Two-Sample T-Test and paired T-Test. *PubMed*, 29(3), 184–188. <https://doi.org/10.11919/j.issn.1002-0829.217070>

Yang, Y., Hao, J., Zhang, W., Chen, H., dan Cheng, W. (2023). Research on High-Precision Adaptive Temperature Control Performance of PTC Materials with Ultra-High Resistance-Temperature Coefficient. *SSN*. <https://doi.org/10.2139/ssrn.4643148>

Yang, Y., Shi, N., Zhang, R., Zhou, H., Ding, L., Tao, J., Zhang, N., dan Cao, B. (2024). Study on the Effect of local heating devices on human thermal Comfort in Low-Temperature Built Environment. *Buildings*, 14(12), 3996. <https://doi.org/10.3390/buildings14123996>

Yao, H., Bi, H., Wei, J., Zhan, S., dan Chen, F. (2024). Development, modeling, and control of a syringe-based picoliter-scale microinjection system. *Elsevier*, 85, 136–142. <https://doi.org/10.1016/j.precisioneng.2023.09.011>

Yoon, J., Kim, Y.-L., dan Bang, Y.-B. (2024). Development of an automated assistance system for medication compounding work. *IEEE Journals dan Magazine — IEEE Xplore*, 12. <https://ieeexplore.ieee.org/document/10623147>

Zangana, H. M., Mohammed, A. K., Sallow, Z. B., Mustafa, F. M. (2024). Exploring Image Representation and Color Spaces in Computer Vision: A Comprehensive review. *Indonesian Journal of Computer Science*, 13(3). <https://doi.org/10.33022/ijcs.v13i3.3998>

Zingue, D., Weber, P., Soltani, F., Raoult, D., dan Drancourt, M. (2018). Automatic microscopic detection of mycobacteria in sputum: a proof-of-concept. *Scientific Reports*, 8(1). <https://doi.org/10.1038/s41598-018-29660-8>

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