



## DAFTAR PUSTAKA

- [1] J. Urquiza, C. Cook, W. Shugart-Schmidt, V. Villavicencio, and P. Singh, “UV Meter for Testing Quality of Water treated by a Solar Water Disinfection System,” *2020 IEEE Glob. Humanit. Technol. Conf. GHTC 2020*, 2020, doi: 10.1109/GHTC46280.2020.9342920.
- [2] R. Santhosh and S. Yadav, “Low Cost Multipurpose UV-C Sterilizer box for protection against COVID’19,” *Proc. - Int. Conf. Artif. Intell. Smart Syst. ICAIS 2021*, pp. 1495–1498, 2021, doi: 10.1109/ICAIS50930.2021.9395752.
- [3] H. Kitagawa *et al.*, “Effectiveness of 222-nm ultraviolet light on disinfecting SARS-CoV-2 surface contamination,” *Am. J. Infect. Control*, vol. 49, no. 3, pp. 299–301, 2021, doi: 10.1016/j.ajic.2020.08.022.
- [4] M. Biasin *et al.*, “UV-C irradiation is highly effective in inactivating SARS-CoV-2 replication,” *Sci. Rep.*, vol. 11, no. 1, Dec. 2021, doi: 10.1038/s41598-021-85425-w.
- [5] M. Ploydaeng, N. Rajatanavin, and P. Rattanakaemakorn, “UV-C light: A powerful technique for inactivating microorganisms and the related side effects to the skin,” *Photodermatol. Photoimmunol. Photomed.*, vol. 37, no. 1, pp. 12–19, 2021, doi: 10.1111/phpp.12605.
- [6] P. Li, J. A. Koziel, J. J. Zimmerman, W. S. Jenks, T. Y. Cheng, and D. J. Holtkamp, “Basics of ultraviolet C (UV-C) light: Considerations for use at livestock production facilities,” *Am. Soc. Agric. Biol. Eng. Annu. Int. Meet. ASABE 2021*, vol. 1, pp. 517–525, 2021, doi: 10.13031/aim.202100154.
- [7] S. Banerjee, E. G. Hoch, P. D. Kaplan, and E. L. P. Dumont, “A comparative study of wearable ultraviolet radiometers,” *2017 IEEE Life Sci. Conf. LSC 2017*, vol. 2018-Janua, pp. 9–12, 2018, doi: 10.1109/LSC.2017.8268131.
- [8] A. Serrano, J. Abril-Gago, and C. J. García-Orellana, “Development of a Low-Cost Device for Measuring Ultraviolet Solar Radiation,” *Front.*



*Environ. Sci.*, vol. 9, no. January, pp. 1–16, 2022, doi: 10.3389/fenvs.2021.737875.

- [9] A. B. Wijatna, Sunarno, Y. F. Luckyarno, M. M. Waruwu, and R. Wijaya, “The study of the effects of the ultraviolet radiation on tofu as a skin tissue mimicking material,” *J. Eng. Sci. Technol.*, vol. 14, no. 1, pp. 138–148, 2019.
- [10] C. T. Chiang, C. M. Chang, and C. C. Chang, “Design of an Ultraviolet Light Intensity Monitor for Personally Wearable Devices,” *IEEE Sens. J.*, vol. 18, no. 11, pp. 4673–4678, 2018, doi: 10.1109/JSEN.2018.2828023.
- [11] Y. Akbar, “RANCANG BANGUN DETEKTOR ULTRAVIOLET BERBASIS DETEKTOR GUVA-S12SD.” Yogyakarta, 2021.
- [12] Reza Satria Rinaldi and Ika Novia Anggraini, “Perancangan Sistem Disinfektan UV-C Sterilisasi Paket sebagai Pencegahan Penyebaran Covid-19,” *J. Nas. Tek. Elektro dan Teknol. Inf.*, vol. 10, no. 1, pp. 57–62, 2021, doi: 10.22146/jnteti.v10i1.888.
- [13] “ISO 21348 Definitions of Solar Irradiance Spectral Categories.” .
- [14] J. Fraden, *Handbook of Modern Sensors*, 5th ed. New York: Springer, 2016.
- [15] A. Malvino and D. Bates, *Electronic Principles*, Eighth Edi. New York: McGraw-Hill, 2016.
- [16] E. O. Doebelin, *Measurement Systems Application and Design*, 5th ed. New York: McGraw-Hill, 2003.
- [17] S. Badhiye, S. S. Badhiye, P. N. Chatur, and B. V Wakode, “Data Logger System: A Survey,” *Int. J. Comput. Technol. Electron. Eng.*, no. January 2011, p. 2011, 2011, [Online]. Available: <https://www.researchgate.net/publication/271964052>.
- [18] A. W. Ayeni, “Empirics of Standard Deviation,” *Empirics Stand. Deviat.*, no. 29 July, pp. 1–8, 2014, doi: 10.13140/2.1.1444.6729.
- [19] J. L. Devore, *Probability and Statistics for Engineering and the Sciences*, Ninth Edit. Boston, USA: Cengage Learning, 2015.
- [20] J. O. Rawlings, S. G. Pantula, and D. a Dickey, *Applied Regression Analysis : A Research Tool , Second Edition Springer Texts in Statistics*. 1998.
- [21] P. Thapa, “Accuracy & Precision,” no. March 2019, 2020, doi:





10.13140/RG.2.2.12911.05287.

- [22] R. Mahmoudvand, H. Hassani, and R. Wilson, “Is the sample coefficient of variation a good estimator for the population coefficient of variation?,” *World Appl. Sci. J.*, vol. 2, no. 5, pp. 519–522, 2007, [Online]. Available: <http://mpra.ub.uni-muenchen.de/6106/>.
- [23] Resmiati and M. E. Putra, “Akurasi Dan Presisi Alat Ukur Tinggi Badan Digital,” *J. Endur. Kaji. Ilm. Probl. Kesehat.*, vol. 6, no. 3, pp. 616–621, 2021.
- [24] A. Kamath, T. Mendez, S. Ramya, and S. G. Nayak, “Design and Implementation of Power-Efficient FSM based UART,” *J. Phys. Conf. Ser.*, vol. 2161, no. 1, 2022, doi: 10.1088/1742-6596/2161/1/012052.
- [25] “Sertifikat Pengukuran Sumber UVC HIKARI HK-UV-15W.” Badan Standardisasi Nasional.
- [26] “GUVA-S12SD Technical Datasheet.” Roither LaserTechnik, Vienna, pp. 1–2, 2011.
- [27] “Arduino Uno R3 Manual.” Arduino UNO R3.
- [28] “Sertifikat Kalibrasi UV Light Meter Lutron YK-37UVSD.” Badan Standardisasi Nasional, 2021.
- [29] “UVC LIGHT METER Model UVC-254SD - Operation Manual.” Inspect USA.

