

REFERENSI

- [1] “About the virus,” World Health Organization, 03-Dec-2020. [Online]. Available: <https://www.euro.who.int/en/health-topics/health-emergencies/coronavirus-covid19/novel-coronavirus-2019-ncov>. [Accessed: 06-Oct-2020].
- [2] Occupational Safety and Health Branch Labour Department, *Chemical Safety in the Workplace : Guidance Notes on Safe Use of Chemical Disinfectants*. Hongkong : Labour Department, 2007, First edition. Accessed on: Oct., 30, 2020. [Online]. Available: <https://www.labour.gov.hk/eng/public/os/C/Disinfectants.pdf>
- [3] L. Tajouri, M. Campos, R. Alghafri , and S. McKirdy, “Ultraviolet radiation is a strong disinfectant. It may be what our schools, hospitals and airports need,” *The Conversation*, 02-Dec-2020. [Online]. Available: <https://theconversation.com/ultraviolet-radiation-is-a-strong-disinfectant-it-may-be-what-our-schools-hospitals-and-airports-need-142277>. [Accessed: 3-Nov-2020].
- [4] D. Coffey, “Does UV light kill the new coronavirus?,” *LiveScience*, 12-Jul-2020. [Online]. Available: <https://www.livescience.com/uv-light-kill-coronavirus.html>. [Accessed: 20-Nov-2020].
- [5] D. Welch *et al.*, “Far-UVC light: A new tool to control the spread of airborne-mediated microbial diseases,” *Sci. Rep.*, vol. 8, no. 1, pp. 1–7, 2018, doi: 10.1038/s41598-018-21058-w.
- [6] I. Ahmed *et al.*, “Recent Patents on Light-Based Anti-Infective Approaches,” *Recent Pat. Antiinfect. Drug Discov.*, vol. 13, no. 1, pp. 70–88, 2018, doi: 10.2174/1872213x11666171108104104.
- [7] B. Casini *et al.*, “Casini_2019_Evaluation of an Ultraviolet C (UVC) Light-Emitting Device for Disinfection of High Touch Surfaces in Hospital Critical Areas_130_HA pdf.pdf,” 2019.
- [8] M. Lindblad, E. Tano, C. Lindahl, and F. Huss, “Ultraviolet-C decontamination of a hospital room: Amount of UV light needed,” *Burns*, vol. 46, no. 4, pp. 842–849, 2020, doi: 10.1016/j.burns.2019.10.004.
- [9] A. Baluja, J. Arines, R. Vilanova, J. Cortiñas, C. Bao-Varela, and M. T. Flores-Arias, “UV light dosage distribution over irregular respirator surfaces. Methods and implications for safety,” *J. Occup. Environ. Hyg.*, vol. 17, no. 9, pp. 390–397, 2020, doi: 10.1080/15459624.2020.1786576.
- [10] I. Lede, K. Nolte, and R. Kroes, “A Scalable Method for Ultraviolet C Disinfection of Surgical Facemasks Type IIR and Filtering Facepiece Particle Respirators 1 and 2,” pp. 1–13, 2020

- [11] N. R. A. R. Ropathy, H. L. Choo, C. H. Yeong, and Y. H. Wong, "UVC Light Simulation for Room Disinfection System," MATEC Web Conf., vol. 335, p. 03012, 2021, doi: 10.1051/mateconf/202133503012.
- [12] ANSYS Inc. , "UV DISINFECTING SYSTEM FOR AIRCRAFT CABINS," Southpointe, Canonsburg, PA, USA, 2020. Accessed on: Oct., 7, 2020. [Online]. Available: <https://www.ansys.com/-/media/ansys/corporate/resourcelibrary/application-brief/uv-disinfecting-aircraft-application-brief.pdf?la=en&hash=454875C5ECF4ED4BBE7E167AC656DBE49E0EE526>.
- [13] "UV Light," Stanford Solar Center. [Online]. Available: <http://solar-center.stanford.edu/about/uvlight.html>. [Accessed: 02-Dec-2020].
- [14] "Perbedaan Sinar UVA, UVB dan UVC, Perhatikan Dampaknya pada Kulit Semua Halaman," merdeka.com, 02-Sep-2020. [Online]. Available: <https://www.merdeka.com/jabar/perbedaan-sinar-uva-uvb-dan-uvc-perhatikan-dampaknya-pada-kulit-kln.html?page=all>. [Accessed: 28-May-2021].
- [15] L. Angelo V. Arecchi, "Radiometry: A Simplified Description of Light Measurement," Photonics Media, 08-Mar-2009. [Online]. Available: https://www.photonics.com/Articles/Radiometry_A_Simplified_Description_of_Light/a25123. [Accessed: 10-Dec-2020].
- [16] M. Sages, J. Robinson, and F. Daynouri, "Ultraviolet Lamp Output Measurement: A Concise Derivation of the Keitz Equation," Ozone Sci. Eng., vol. 34, no. 4, pp. 306–309, 2012, doi: 10.1080/01919512.2012.694322.
- [17] R. Chitguppi, "How to use Ultraviolet light (UVC) to fight COVID-19 effectively in dental clinics: Dr Ajay Bajaj," Dental Tribune India, 12-May-2020. [Online]. Available: <https://in.dental-tribune.com/news/how-to-use-ultraviolet-light-uvc-to-fight-covid-19-effectively-in-dental-clinics-dr-ajay-bajaj/>. [Accessed: 03-Oct-2020].
- [18] K. Kahn, "How Much Time is Required for Surface Disinfection in Your Application?," Klaran. [Online]. Available: <https://www.klaran.com/time-required-surface-disinfection>. [Accessed: 28-Oct-2020].
- [19] "The Electromagnetic (EM) Spectrum," Materials Technology Limited. [Online]. Available: <http://www.drb-mattech.co.uk/uv%20spectrum.html>. [Accessed: 30-May-2021].
- [20] "Manfaat Sunscreen Untuk Kesehatan Kulit," My Dailosophy. [Online]. Available: <https://www.yoannafayza.com/2019/01/manfaat-sunscreen-untuk-kesehatan-kulit.html>. [Accessed: 15-Dec-2020].
- [21] "TUV 36W SLV/6 - TUV T8 | PHILIPS," Philips Lighting - LED & Conventional Lighting Solutions, 30-Apr-2021. [Online]. Available: https://www.lighting.philips.com/api/assets/v1/file/PhilipsLighting/content/fp928048604003-pss-global/ADAM-20151211002533594%40en_AA.pdf. [Accessed: 04-May-2021].

- [22] “UVA, UVC LIGHT METER Model : YK-37UVSD,” Micronix. [Online]. Available: <https://eshop.micronix.sk/data/sk/att/004/10258-7710.pdf>. [Accessed: 20-May-2021].
- [23] “Model LX-105 Illuminometer Instruction Manual,” CALRIGHT INSTRUMENTS. [Online]. Available: <https://calright.com/wp-content/uploads/2018/03/8889.pdf>. [Accessed: 28-May-2021].
- [24] “KRISBOW LASER DISTANCE METER 100 M COMPACT,” Krisbow. [Online]. Available: <https://www.krisbow.com/laser-distance-meter-100-m-compact.html>. [Accessed: 31-May-2021].
- [25] C. Taylor, “It's Important to Know the Difference Between Alpha and P-Values,” ThoughtCo, 30-Apr-2019. [Online]. Available: <https://www.thoughtco.com/the-difference-between-alpha-and-p-values-3126420>. [Accessed: 01-Jun-2021].
- [26] O. L. Wedeco et al., “PROPOSED METHOD FOR MEASUREMENT OF THE OUTPUT OF MONOCHROMATIC (254 nm) LOW PRESSURE UV LAMPS,” IUVA news, vol. 10, no. 1, pp. 14–17, 2008.
- [27] “Radiation: Ultraviolet (UV) radiation,” World Health Organization, 09-Mar-2016. [Online]. Available: [https://www.who.int/news-room/q-a-detail/radiation-ultraviolet-\(uv\)](https://www.who.int/news-room/q-a-detail/radiation-ultraviolet-(uv)). [Accessed: 03-Jun-2021].
- [28] T. Dai, M. S. Vrahas, C. K. Murray, and M. R. Hamblin, “Ultraviolet C irradiation: an alternative antimicrobial approach to localized infections?,” Expert review of anti-infective therapy, Feb-2012. [Online]. Available: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3292282/>. [Accessed: 03-Jun-2021].
- [29] “HOW ULTRAVIOLET LIGHT AFFECTS FURNITURE—AND WHAT YOU CAN DO ABOUT IT,” Sun Control Inc, 31-Oct-2017. [Online]. Available: <https://suncontrolinc.net/2017/10/how-ultraviolet-light-affects-furniture-and-what-you-can-do-about-it/>. [Accessed: 03-Jun-2021].
- [30] “How UV Can Harm Your Materials,” AFP, 10-Jun-2019. [Online]. Available: <https://americanflexible.com/uv-can-harm-materials/>. [Accessed: 03-Jun-2021].