

## DAFTAR PUSTAKA

- Abiakam, N., Worsley, P., Jayabal, H., Mitchell, K., Jones, M., Fletcher, J., Spratt, F., & Bader, D. (2021). Personal protective equipment related skin reactions in healthcare professionals during COVID-19. *International Wound Journal*, 18(3). <https://doi.org/10.1111/iwj.13534>
- Aerts, O., Dendooven, E., Foubert, K., Stappers, S., Ulicki, M., & Lambert, J. (2020). Surgical mask dermatitis caused by formaldehyde (releasers) during the COVID-19 pandemic. *Contact Dermatitis*, 83(2), 172–173. <https://doi.org/10.1111/cod.13626>
- Aguilera, S., De La Pena, I., Viera, M., Baum, B., Morrison, B., Amar, O., Beustes-Stefanelli, M., & Hall, M. (2020). The Impact of COVID-19 on the Faces of Frontline Healthcare Workers. *Journal of Drugs in Dermatology*, 19(9), 858–864. <https://doi.org/10.36849/jdd.2020.5259>
- Aisyah S. (2020). *Hubungan Penggunaan Alat Pelindung Diri (APD) dengan Keluhan Penyakit Kulit pada Nelayan di Kelurahan Bagan Deli*. Universitas Sumatera Utara.
- Alkubaisi, T. (2020). *Annoying Skin Reaction Among The Medical Staff Using Personal Protective Equipment During COVID-19*. 1–17.
- Andriani, R., Hudayah, N., & Hasmina, H. (2020). Hubungan Penggunaan Alat Pelindung Diri (APD) dengan Keluhan Penyakit Kulit pada Pekerja Daur Ulang Sampah Plastik Kamboja di Kecamatan Wolio Kota Baubau. *Jurnal Kesehatan Global*, 3(2). <https://doi.org/10.33085/jkg.v3i2.4648>
- Asnawati, S., Manurung, J., Rosa, L., & Sinaga, V. (2020). Penyuluhan Dan Sosialisasi Masker Di Desa Sifahandro Kecamatan Sawo Sebagai Bentuk Kepedulian Terhadap Masyarakat Ditengah Mewabahnya Virus Covid 19. *Jurnal Abdimas Mutiara*, 1(September).
- Az-zahra, S. (2021). *Analisis faktor risiko terjadinya maskne pada masa pandemi covid-19 skripsi*.
- BPS Covid-19. (2020). Hasil Survei Perilaku Masyarakat Di Masa Pandemi Covid-19 (7-14 September 2020). In *Perilaku Masyarakat di Masa Pandemi Covid-19 BPS RI* (Vol. 19, Issue September). <https://www.bps.go.id/publication/download.html?nrbvfeve=ZjM3NmRjMzNjZmNkZWVjNGE1MTRmMDljL3B1YmxpY2F0aW9uLzIwMjAvMDkvMjgvZjM3NmRjMzNjZmNkZWVjNGE1MTRmMDljL3BlcmIsYWt1LW1hc3lhcmFrYXQtZGktbWFzYS1wYW5kZW1pLWNvdmlkLTE5Lmh0bWw%25>
- Budiarisma, P. Y., & Suryawati, N. (2019). Profil Dermatitis Kontak Akibat Kerja pada Karyawan Pencucian Mobil dan Sepeda Motor di Kota Denpasar Selatan pada Tahun 2016. *E-Jurnal Medika Udayana*, 9(3), 4. <https://ojs.unud.ac.id/index.php/eum>
- CDC. (2021). *Improve the Fit and Filtration of Your Mask to Reduce the Spread of COVID-19*.

- <https://www.cdc.gov/coronavirus/2019-ncov/prevent-getting-sick/mask-fit-and-filtration.html#print>
- Chaiyabutr, C., Sukakul, T., Pruksaeakanan, C., Thumrongtharadol, J., & Boonchai, W. (2021). Adverse skin reactions following different types of mask usage during the COVID-19 pandemic. *Journal of the European Academy of Dermatology and Venereology*, 35(3), e176–e178. <https://doi.org/10.1111/jdv.17039>
- Choi, S. Y., Hong, J. Y., Kim, H. J., Lee, G. Y., Cheong, S. H., Jung, H. J., Bang, C. H., Lee, D. H., Jue, M. S., Kim, H. O., Park, E. J., Ko, J. Y., & Son, S. W. (2021). Mask-induced dermatoses during the COVID-19 pandemic: a questionnaire-based study in 12 Korean hospitals. *Clinical and Experimental Dermatology*, 0–3. <https://doi.org/10.1111/ced.14776>
- Christopher, P. M., Roren, R. S., Tania, C., Jayadi, N. N., & Cucunawangsih, C. (2020). Adverse Skin Reactions to Personal Protective Equipment Among Health-Care Workers During COVID-19 Pandemic: A Multicenter Cross-sectional Study in Indonesia. *International Journal of Dermatology and Venereology*, 3(4). <https://doi.org/10.1097/jid.0000000000000132>
- Clawson, R. C., & Pariser, R. (2021). Formaldehyde-Induced Contact Dermatitis From an N95 Respirator Mask. *Cutis*, 108(1), E11–E14. <https://doi.org/10.12788/cutis.0305>
- Dahlan, S. (2014). *Statistik Untuk Kedokteran dan Kesehatan*. Epidemiologi Indonesia.
- Daye, M., Cihan, F. G., & Durduran, Y. (2020). Evaluation of skin problems and dermatology life quality index in health care workers who use personal protection measures during COVID-19 pandemic. *Dermatologic Therapy*, 33(6). <https://doi.org/10.1111/dth.14346>
- Dewi, NKYA. Praharsini, IGGA. Suryawati, N. (2019). PREVALENSI DAN KARAKTERISTIK DERMATITIS KONTAK AKIBAT KERJA PADA PENGRAJIN BAMBU DI DESA BELEGA, BLAHBATUH TAHUN 2017. *E-JURNAL MEDIKA*, 8(3), 31–40.
- Dhandapani, M., Jose, S., & Cyriac, M. C. (2021). Health Problems and Skin Damages Caused by Personal Protective Equipment: Experience of Frontline Nurses Caring for Critical COVID-19 Patients in Intensive Care Units. *Indian Journal of Critical Care Medicine*, 25(2). <https://doi.org/10.5005/jp-journals-10071-23713>
- Dwirusman, C. G. (2020). Peran Dan Efektivitas Masker Dalam Pencegahan Penularan Corona Virus Disease 2019 (Covid-19). *Jurnal Medika Hutama*, 2(1).
- Elisheva, R. (2020). Adverse Effects of Prolonged Mask Use among Healthcare Professionals during COVID-19. *Journal of Infectious Diseases and Epidemiology*, 6(3). <https://doi.org/10.23937/2474-3658/1510130>
- Falamy, R. (2016). Alat Pelindung Diri. *Keselamatan Dan Kesehatan Kerja*, 022, 1–5. [https://dinus.ac.id/repository/docs/ajar/ALAT\\_PELINDUNG\\_DIRI.pdf](https://dinus.ac.id/repository/docs/ajar/ALAT_PELINDUNG_DIRI.pdf)
- Ferusgel, A., Nasution, R. M., & Butar-butar, M. (2018). Jurnal Aisyah : Jurnal Ilmu Kesehatan Keluhan Gangguan Kulit pada Pemulung Wanita Di Tempat Pembuangan Akhir (TPA) Terjun. *Jurnal Aisyah : Jurnal Ilmu Kesehatan*, 3(2), 145–152.
- Gheisari, M., Araghi, F., Moravvej, H., Tabary, M., & Dadkhahfar, S. (2020). Skin reactions to non-glove personal protective equipment: an emerging issue in the COVID-19

- pandemic. *Journal of the European Academy of Dermatology and Venereology*, 34(7), e297–e298. <https://doi.org/10.1111/jdv.16492>
- Gugus Tugas Penanganan Covid-19. (2020). Revisi 3 1. *Standar Alat Pelindung Diri (APD) Untuk Penanganan Covid-19 Di Indonesia, Revisi 3*, 1–42.
- Han, H. S., Shin, S. H., Park, J. W., Li, K., Kim, B. J., & Yoo, K. H. (2021). Changes in skin characteristics after using respiratory protective equipment (medical masks and respirators) in the COVID-19 pandemic among healthcare workers. *Contact Dermatitis*, 85(2), 225–232. <https://doi.org/10.1111/cod.13855>
- Handayani, D., Hadi, D. R., Burhan, E., & Agustin, H. (2020). Corona Virus Disease 2019." *Jurnal Respirologi Indonesia* 40.2 (2020): 119-129. *Jurnal Respirologi Indonesia*, 40(2).
- Hastono, S. (2016). *Analisa Data pada Bidang Kesehatan*. Raja Grafindo Perkasa.
- Hidajat, D. (2020). Maskne: Akne Akibat Masker. *Jurnal Kedokteran*, 9(2).
- Hoernke, K., Djellouli, N., Andrews, L., Lewis-Jackson, S., Manby, L., Martin, S., Vanderslott, S., & Vindrola-Padros, C. (2021). Frontline healthcare workers' experiences with personal protective equipment during the COVID-19 pandemic in the UK: A rapid qualitative appraisal. *BMJ Open*, 11(1). <https://doi.org/10.1136/bmjopen-2020-046199>
- Hu, K., Fan, J., Li, X., Gou, X., Li, X., & Zhou, X. (2020). The adverse skin reactions of health care workers using personal protective equipment for COVID-19. *Medicine*, 99(24), e20603. <https://doi.org/10.1097/MD.00000000000020603>
- Hua, W., Zuo, Y., Wan, R., Xiong, L., Tang, J., Zou, L., Shu, X., & Li, L. (2020). Short-term skin reactions following use of N95 respirators and medical masks. *Contact Dermatitis*, 83(2), 115–121. <https://doi.org/10.1111/cod.13601>
- Johnson, A. T. (2016). Respirator masks protect health but impact performance: A review. *Journal of Biological Engineering*, 10(1). <https://doi.org/10.1186/s13036-016-0025-4>
- Kementerian Kesehatan RI. (2020). Petunjuk Teknis Alat Pelindung Diri (APD) Dalam Menghadapi Wabah Covid-19. *Kementerian Kesehatan Republik Indonesia, April*, Hal: 5-6, 9.
- Kementerian Kesehatan RI. (2021). *Pedoman Pelayanan Rumah Sakit Pada Masa Pandemi COVID-19*.
- Lan, J., Song, Z., Miao, X., Li, H., Li, Y., Dong, L., Yang, J., An, X., Zhang, Y., Yang, L., Zhou, N., Li, J., Cao, J. J., Wang, J., & Tao, J. (2020). Skin damage among health care workers managing coronavirus disease-2019. *Journal of the American Academy of Dermatology*, 82(5). <https://doi.org/10.1016/j.jaad.2020.03.014>
- Lee, H. C., & Goh, C. L. (2021). 'Occupational dermatoses from Personal Protective Equipment during the COVID-19 pandemic in the tropics – A Review.' In *Journal of the European Academy of Dermatology and Venereology* (Vol. 35, Issue 3). <https://doi.org/10.1111/jdv.16925>
- LIPI. (2021). *Tim Riset Whole Genome Sequencing LIPI Deteksi COVID19 Varian Delta*. <http://lipi.go.id/siaranpress/tim-riset-whole-genome-sequencing-lipi-deteksi-covid19-varian-delta/22423>

- Litchman, G., Nair, P., & Atwater, A. (2021). *Contact Dermatitis*. StatPearls Publishing, Treasure Island (FL). <https://www.ncbi.nlm.nih.gov/books/NBK459230/#!po=1.56250>
- Ma, Q. X., Shan, H., Zhang, H. L., Li, G. M., Yang, R. M., & Chen, J. M. (2020). Potential utilities of mask-wearing and instant hand hygiene for fighting SARS-CoV-2. *Journal of Medical Virology*, 92(9), 1567–1571. <https://doi.org/10.1002/jmv.25805>
- MacIntyre, C. R., Chughtai, A. A., Rahman, B., Peng, Y., Zhang, Y., Seale, H., Wang, X., & Wang, Q. (2017). The efficacy of medical masks and respirators against respiratory infection in healthcare workers. *Influenza and Other Respiratory Viruses*, 11(6), 511–517. <https://doi.org/10.1111/irv.12474>
- Mahalmani, V. M., Mahendru, D., Semwal, A., Kaur, S., Kaur, H., Sarma, P., Prakash, A., & Medhi, B. (2020). COVID-19 pandemic: A review based on current evidence. In *Indian Journal of Pharmacology* (Vol. 52, Issue 2). [https://doi.org/10.4103/ijp.IJP\\_310\\_20](https://doi.org/10.4103/ijp.IJP_310_20)
- Mailiani, S. (2020). *Hubungan Antara Penggunaan Masker Dengan Kelainan Kulit Pada Tenaga Kesehatan di Era Pandemi COVID-19*.
- Masturoh, I dan Anggita, N. (2018). *Metodelogi Penelitian Kesehatan*. Kementrian Kesehatan Republik Indonesia.
- Menteri Kesehatan RI. (2004). *Keputusan Menteri Kesehatan Republik Indonesia Nomor 1204/MENKES/SK/X/2004 tentang Persyaratan Kesehatan Lingkungan Rumah Sakit*. <https://persi.or.id/wp-content/uploads/2020/11/kmk12042004.pdf>
- Menteri Tenaga Kerja dan Transmigrasi RI. (2010). *Peraturan Menteri Tenaga Kerja dan Transmigrasi Republik Indonesia Nomor Per.08/Men/VII/2010 tentang Alat Pelindung Diri*. [https://jdih.kemnaker.go.id/data\\_puu/peraturan\\_file\\_PER08.pdf](https://jdih.kemnaker.go.id/data_puu/peraturan_file_PER08.pdf)
- Mescher, A. L. (2012). *Histologi Dasar Junqueira* (12th ed.). Penerbit Buku Kedokteran EGC.
- Notoatmodjo S. (2011). *Kesehatan Masyarakat Ilmu dan Seni*. Rineka Cipta.
- Notoatmodjo S. (2012). *Metodologi Penelitian*. Rineka Cipta.
- Özkesici Kurt, B. (2021). The course of acne in healthcare workers during the COVID-19 pandemic and evaluation of possible risk factors. *Journal of Cosmetic Dermatology*, 20(12), 3730–3738. <https://doi.org/10.1111/jocd.14530>
- Park, S. J., Han, H. S., Shin, S. H., Yoo, K. H., Li, K., Kim, B. J., Seo, S. J., & Park, K. Y. (2021). Adverse skin reactions due to use of face masks: a prospective survey during the COVID-19 pandemic in Korea. *Journal of the European Academy of Dermatology and Venereology*. <https://doi.org/10.1111/jdv.17447>
- Pramuningtyas, R., & Hudini, D. A. (2019). FAKTOR RESIKO DERMATITIS TANGAN PADA PEKERJA TRADISIONAL INDUSTRI GERABAH (SEBUAH STUDI OBSERVASIONAL). *Biomedika*, 11(1). <https://doi.org/10.23917/biomedika.v11i1.7697>
- Purushothaman, P. K., Priyangha, E., & Vaidhyswaran, R. (2021). Effects of Prolonged Use of Facemask on Healthcare Workers in Tertiary Care Hospital During COVID-19 Pandemic. *Indian Journal of Otolaryngology and Head and Neck Surgery*, 73(1). <https://doi.org/10.1007/s12070-020-02124-0>
- Putri DN. (2017). *Personal Hygiene dan Kejadian Penyakit Kulit pada Penghuni Rumah Susun*

*Sederhana Sewa Cokrodirjan Yogyakarta.* Politeknik Kesehatan Kementerian Kesehatan Yogyakarta.

Radonovich, L., Cheng, J., Shenal, B., Hodgson, M., & Bender, B. (2009). Respirator Tolerance in Health Care Workers. *JAMA*, 301, 8–10.

Ruttina, E., Wulan, D., Wardani, S. R., Anggraini, D. I., Kedokteran, F., Lampung, U., Komunitas, B. K., Kedokteran, F., Lampung, U., Ilmu, B., Kulit, P., Kedokteran, F., & Lampung, U. (2018). *Faktor-Faktor yang Berhubungan dengan Kejadian Dermatitis Kontak Akibat Kerja Pada Pedagang Ikan di Pasar Tradisional-Modern Gudang Lelang, Teluk Betung Kota Bandar Lampung Factors Related to Occupational Contact Dermatitis Incident on Fishmonger in Trad.* 8(April), 87–93.

Santoso, S. (2014). *Statistik Parametrik* (Revisi). Elex Media Komputindo.

Sastroasmoro, S. (2014). *Dasar-Dasar Metodologi Penelitian Klinis*. Sagung Seto.

Scarano, A., Inchingolo, F., & Lorusso, F. (2020). Facial skin temperature and discomfort when wearing protective face masks: Thermal infrared imaging evaluation and hands moving the mask. *International Journal of Environmental Research and Public Health*, 17(13), 1–9. <https://doi.org/10.3390/ijerph17134624>

Setia, M. S. (2016). Methodology series module 3: Cross-sectional studies. *Indian Journal of Dermatology*, 61(3). <https://doi.org/10.4103/0019-5154.182410>

Shubhanshu, K., & Singh, A. (2021). Prolonged Use of n95 Mask a Boon or Bane to Healthcare Workers During Covid-19 Pandemic. *Indian Journal of Otolaryngology and Head and Neck Surgery*. <https://doi.org/10.1007/s12070-021-02396-0>

Singh, M., Pawar, M., Bothra, A., Maheshwari, A., Dubey, V., Tiwari, A., & Kelati, A. (2020). Personal protective equipment induced facial dermatoses in healthcare workers managing Coronavirus disease 2019. *Journal of the European Academy of Dermatology and Venereology*, 34(8), e378–e380. <https://doi.org/10.1111/jdv.16628>

Siregar, R. . (2013). *Atlas Berwarna Saripati Penyakit Kulit*. EGC.

Sugiyono. (2016). *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, dan R&D*. Alfabeta.

Suryani, Norma Dewi. Martini. Susanto, H. S. (2017). Perbandingan Faktor Risiko Kejadian Dermatitis Kontak Iritan Antara Petani Garam Dan Petani Sawah Di Kecamatan Kaliori Kabupaten Rembang. *Jurnal Kesehatan Masyarakat (e-Jurnal)*, 5(4), 444–454.

Susilo, A., Rumende, C. M., Pitoyo, C. W., Santoso, W. D., Yulianti, M., Herikurniawan, H., Sinto, R., Singh, G., Nainggolan, L., Nelwan, E. J., Chen, L. K., Widhani, A., Wijaya, E., Wicaksana, B., Maksum, M., Annisa, F., Jasirwan, C. O. M., & Yunihastuti, E. (2020). Coronavirus Disease 2019: Tinjauan Literatur Terkini. *Jurnal Penyakit Dalam Indonesia*, 7(1). <https://doi.org/10.7454/jpdi.v7i1.415>

Syafnidawaty. (2020). *Apa Itu Populasi dan Sampel dalam Penelitian*. [https://raharja.ac.id/2020/11/04/apa-itu-populasi-dan-sampel-dalam-penelitian/%0A%0A](https://raharja.ac.id/2020/11/04/apa-itu-populasi-dan-sampel-dalam-penelitian/)

Szepietowski, J. C., Matusiak, Ł., Szepietowska, M., Krajewski, P. K., & Bialynicki-Birula, R. (2020). Face mask-induced itch: A self-questionnaire study of 2,315 responders during

- the COVID-19 pandemic. *Acta Dermato-Venereologica*, 100(10). <https://doi.org/10.2340/00015555-3536>
- Tan, C. (2021). *How often do you wash your mask? This is how a mask worn for 6 hours looks like*. The Straits Times. <https://www.straitstimes.com/singapore/more-microbes-found-on-mask-worn-for-a-longer-time>
- Techasatian, L., Lebsing, S., Uppala, R., Thaowandee, W., Chaiyarat, J., Supakunpinyo, C., Panombualert, S., Mairiang, D., Saengnipanthkul, S., Wichajarn, K., Kiatchoosakun, P., & Kosalaraksa, P. (2020). The Effects of the Face Mask on the Skin Underneath: A Prospective Survey During the COVID-19 Pandemic. *Journal of Primary Care and Community Health*, 11. <https://doi.org/10.1177/2150132720966167>
- Tirupathi, R., Bharathidasan, K., & Palabindala, V. (2020). Comprehensive review of mask utility and challenges during the COVID-19 pandemic. *Le Infezioni in Medicina*, 2019, 57–63.
- Try Lestari, R., Zakiyah Gifanda, L., Lailia Kurniasari, E., Puspita Harwiningrum, R., Putranda Ilham Kelana, A., Fauziyah, K., Laili Widyasari, S., Islamiah Krisimonika, D., Dwi Christiananta Salean, D., & Priyandani, Y. (2021). Perilaku Mahasiswa Terkait Cara Mengatasi Jerawat. *Jurnal Farmasi Komunitas*, 8(1).
- Wan, X., Lu, Q., Sun, D., Wu, H., & Jiang, G. (2021). Skin Barrier Damage due to Prolonged Mask Use among Healthcare Workers and the General Population during the COVID-19 Pandemic: A Prospective Cross-Sectional Survey in China. *Dermatology*. <https://doi.org/10.1159/000517219>
- Wasono, Hermowo Anggoro., Sani, Nopi., Panongsih, Resati Nando., Shauma, M. (2020). Hubungan Kebersihan Wajah Terhadap Kejadian Akne Vulgaris Pada Siswa Kelas X SMK Negeri Tanjungsari Lampung Selatan Tahun 2020. *Jurnal Medika Malahayati*, 4(April), 82–86.
- WHO. (2020a). *Coronavirus disease (COVID-19)*. <https://www.who.int/news-room/detail/q-a-coronaviruses%0A%0A>
- WHO. (2020b). Penggunaan Masker Dalam Konteks COVID-19. *World Health Organization*, 1–23. [https://www.who.int/docs/default-source/searo/indonesia/covid19/penggunaan-masker-dalam-konteks-covid-19.pdf?sfvrsn=9cfbcc1f\\_5](https://www.who.int/docs/default-source/searo/indonesia/covid19/penggunaan-masker-dalam-konteks-covid-19.pdf?sfvrsn=9cfbcc1f_5)
- WHO. (2020c). *Pertanyaan dan jawaban terkait penggunaan masker*. <https://www.who.int/indonesia/news/novel-coronavirus/qa/qa-use-of-mask>
- WHO. (2020d). *Transmisi SARS-CoV-2: implikasi terhadap kewaspadaan pencegahan infeksi*. 1–10.
- Yan, Y., Chen, H., Chen, L., Cheng, B., Diao, P., Dong, L., Gao, X., Gu, H., He, L., Ji, C., Jin, H., Lai, W., Lei, T., Li, L., Li, R., Liu, D., Liu, W., Lu, Q., ... Li, H. (2020). Consensus of Chinese experts on protection of skin and mucous membrane barrier for health-care workers fighting against coronavirus disease 2019. *Dermatologic Therapy*, 33(4). <https://doi.org/10.1111/dth.13310>
- Zuo, Y., Hua, W., Luo, Y., & Li, L. (2020). Skin reactions of N95 masks and medial masks among health-care personnel: A self-report questionnaire survey in China. *Contact Dermatitis*, 83(2), 145–147. <https://doi.org/10.1111/cod.1355>