

DAFTAR PUSTAKA

1. Lotfinejad N, Peters A, Pittet D. Hand hygiene and the novel coronavirus pandemic: the role of healthcare workers. *J Hosp Infect* [Internet]. 2020;105(4):776–7.
2. Guertler A, Moellhoff N, Schenck TL, Hagen CS, Kendziora B, Giunta RE, et al. Onset of occupational hand eczema among healthcare workers during the SARS-CoV-2 pandemic: Comparing a single surgical site with a COVID-19 intensive care unit. *Contact Dermatitis*. 2020;83(2):108–14.
3. Khosrowpour Z, Ahmad Nasrollahi S, Ayatollahi A, Samadi A, Firooz A. Effects of four soaps on skin trans-epidermal water loss and erythema index. *J Cosmet Dermatol*. 2019;18(3):857–61.
4. Lan J, Song Z, Miao X, Li H, Li Y, Dong L, et al. Skin damage among health care workers managing coronavirus disease-2019. *J Am Acad Dermatol* [Internet]. 2020;82(5):1215–6.
5. Agner T. Hand eczema. *Contact Dermat Fifth Ed*. 2011;395–406.
6. Techasatian L, Thaowandee W, Chaiyarit J, Uppala R, Sitthikarnkha P, Paibool W, et al. hand hygiene habits and prevalence of hand eczema during the covid-19 pandemic. *J Prim Care Community Heal*. 2021;12.
7. Desira ADD, Riyanto P, Afriliana L, Adespin DA. Relationship of *hand sanitizer* usage frequency with the incidence of irritant contact dermatitis during covid-19 pandemic. *Diponegoro Med J (Jurnal Kedokt Diponegoro)*. 2022;11(2):109–13.
8. Khairani NA. Hubungan penggunaan *hand sanitizer* selama pandemi covid-19 dengan terjadinya dermatitis kontak iritan pada mahasiswa fakultas kedokteran universitas sumatera utara. 2021 [cited 2022 Oct 15];
9. Andersen FA. Final report on the safety assessment of Benzyl Alcohol, Benzoic Acid, and Sodium Benzoate. *Int J Toxicol*. 2001;20(SUPPL. 3):23–50.
10. Boehm D, Schmid-Ott G, Finkeldey F, John SM, Dwinger C, Werfel T, et al. Anxiety, depression and impaired health-related quality of life in patients with occupational hand eczema. *Contact Dermatitis*. 2012;67(4):184–92.
11. Nopriyati, Trilisnawati D, Yulia Farida Yahya, Mutia Devi, Theresia L. Toruan. Prevention of Irritant Contact Dermatitis Due to Hand Hygiene in The Era of COVID 19 Pandemic. *Biosci Med J Biomed Transl Res*. 2020;4(4):29–44.
12. Rosenman KD, Fussman C. Prevalence of work-related dermatitis in the working population. *Am J Ind Med*. 2014;57(1):125–6.

13. St Louis T, Ehrlich E, Bunn T, Kanotra S, Fussman C, Rosenman KD. Proportion of dermatitis attributed to work exposures in the working population, United States, 2011 behavioral risk factor surveillance system. *Am J Ind Med.* 2014;57(6):653–9.
14. Chernyshov P V., Kolodzinska L. Prospective study on hand dermatitis in nurses and doctors during COVID-19 pandemic and its improvement by use of adopted recommendations of the European Academy of Dermatology and Venereology Task Force on Contact Dermatitis. *Dermatol Ther.* 2020;33(6).
15. Bhatia R, Sharma VK, Ramam M, Sethuraman G, Yadav CP. Clinical profile and quality of life of patients with occupational contact dermatitis from New Delhi, India. *Contact Dermatitis.* 2015;73(3):172–81.
16. Johannisson A, Pontén A, Svensson Å. Prevalence, incidence and predictive factors for hand eczema in young adults - a follow-up study. *BMC Dermatol.* 2013;13.
17. Agner T, Elsner P. Hand eczema: epidemiology, prognosis and prevention. *J Eur Acad Dermatology Venereol.* 2020;34(S1):4–12.
18. Salvador JFS, Mendaza FH, Garcés MH, Palacios-Martínez D, Camacho RS, Sanz RS, et al. Guidelines for the diagnosis, treatment, and prevention of hand eczema. *Actas Dermosifiliogr [Internet].* 2020;111(1):26–40.
19. Novak-Bilić G, Vučić M, Japundžić I, Meštrović-štefekov J, Stanić-Duktaj S, Lugović-Mihić L. Irritant and allergic contact dermatitis – skin lesion characteristics. *Acta Clin Croat.* 2018;57(4):713–20.
20. Bryld LE, Hindsberger C, Kyvik KO, Agner T, Menne T. Risk factors influencing the development of hand eczema in a population-based twin sample. *Br J Dermatol.* 2003;149(6):1214–20.
21. Callahan A, Baron E, Fekedulegn D, Kashon M, Yucesoy B, Johnson VJ, et al. Winter season, frequent hand washing, and irritant patch test reactions to detergents are associated with hand dermatitis in health care workers. *Dermatitis.* 2013;24(4):170–5.
22. Uter W, Gefeller O, Schwanitz HJ. An epidemiological study of the influence of season (cold and dry air) on the occurrence of irritant skin changes of the hands. *Br J Dermatol.* 1998;138(2):266–72.
23. Lai YC, Yew YW. Smoking and hand dermatitis in the United States adult population. *Ann Dermatol.* 2016;28(2):164–71.
24. Michael Zumwalt M, Jennifer Chen M, and Mark Davis M. Hand dermatitis update [Internet]. 2017 [cited 2022 May 11].
25. Lakshmi C, Srinivas CR. Hand eczema: An update. *Indian J Dermatol Venereol Leprol.* 2012;78(5):569–82.

26. Wollina U. Pompholyx: What's new? Vol. 17, Expert Opinion on Investigational Drugs. 2008. p. 897–904.
27. Indian Journal of Dermatology [Internet]. [cited 2022 May 24].
28. Chen FJ, Liu Z, Zhou Y, Chen YH, Fan YM. Is dermatitis palmaris sicca an irritant contact dermatitis? Dermat contact, atopic, Occup drug [Internet]. 2013 May [cited 2022 May 24];24(3):137–43.
29. Politiek K, Loman L, Pas HH, Diercks GFH, Lemmink HH, Jan SZ, et al. Hyperkeratotic hand eczema: eczema or not? contact dermatitis. 2020 Sep 1;83(3):196–205.
30. Hyperkeratotic palmar dermatitis | DermNet NZ [Internet]. [cited 2022 May 24].
31. Scheinfeld N, Rudikoff D. Nummular dermatitis. atopic dermat eczematous disord [Internet]. 2022 May 2 [cited 2022 May 24];255–65.
32. Leung AKC, Lam JM, Leong KF, Leung AAM, Wong AHC, Hon KL. Nummular eczema: an updated review. recent pat inflamm allergy drug discov [Internet]. 2020 Aug 11 [cited 2022 May 24];14(2):146–55.
33. Fingertip dermatitis | DermNet NZ [Internet]. [cited 2022 May 27].
34. Shockey G. Cross-section illustration of the formation of eczema on the skin in four parts. [Internet]. Alamy. [cited 2022 Apr 10].
35. Lampel HP, Powell HB. Occupational and hand dermatitis: a practical approach. Clin Rev Allergy Immunol. 2019;56(1):60–71.
36. Emanuel P. Eczema pathology | DermNet NZ [Internet]. dermanetnz. 2013 [cited 2022 Apr 10].
37. British Association of Dermatologists. Hand dermatitis / Hand eczema. 2019;(258474):1–6.
38. Perry AD, Trafeli JP. Hand dermatitis: Review of etiology, diagnosis, and treatment. J Am Board Fam Med. 2009;22(2):325–30.
39. wrwsh. Histology eczema dermatitis skin corte histológico [Internet]. 2018 [cited 2022 Apr 19].
40. Bains SN, Nash P. Irritant contact dermatitis. 2018;
41. Menné T, Johansen JD, Sommerlund M, Veien NK. Hand eczema guidelines based on the Danish guidelines for the diagnosis and treatment of hand eczema. Contact Dermatitis. 2011;65(1):3–12.
42. Wold L, Chen JK, Lampel HP. Hand dermatitis: an allergist's nightmare. curr allergy asthma Rep. 2014;14(11):1–9.

43. Nolan K, Marmur E. Moisturizers: reality and the skin benefits. *Dermatol Ther* [Internet]. 2012 May [cited 2022 Apr 21];25(3):229–33.
44. Ghadially R, Halkier-Sorensen L, Elias PM. Effects of petrolatum on stratum corneum structure and function. *J Am Acad Dermatol* [Internet]. 1992;26(3):387–96.
45. Harwood A, Nassereddin A, Krishnamurthy K. Moisturizers. *StatPearls* [Internet]. 2021 Jun 2 [cited 2022 Apr 21];
46. Czarnowicki T, Malajian D, Khattri S, Correa da Rosa J, Dutt R, Finney R, et al. Petrolatum: Barrier repair and antimicrobial responses underlying this “inert” moisturizer. *J Allergy Clin Immunol* [Internet]. 2016 Apr 1 [cited 2022 Apr 21];137(4):1091-1102.e7.
47. Kurnia NR. Formulasi dan uji antibakteri spray *hand sanitizer* dari ekstrak daun piladang (*plectranthus scutellaroides* (l) r.br) terhadap *staphylococcus aureus*. *Junal Kesehat*. 2020;(L).
48. Ahmad FF. Formulasi dan uji efektifitas sediaan gel antiseptik ekstrak sabut kelapa (*Cocos nucifera* Linn.). *Skripsi*. 2012;
49. Shu M. Formulasi sediaan gel *hand sanitizer* dengan bahan aktif triklosan 0,5% dan 1% melisa. *J Ilm Mhs Univ Surabaya*. 2013;2(1):1–14.
50. McDonnell G, Russell AD. Antiseptics and disinfectants: Activity, action, and resistance. *Clin Microbiol Rev*. 1999;12(1):147–79.
51. Sadakane K, Ichinose T. Effect of the hand antiseptic agents Benzalkonium klorida, povidone-iodine, ethanol, and chlorhexidine gluconate on atopic dermatitis in NC/Nga mice. *Int J Med Sci*. 2015;12(2):116–25.
52. Wohlrab J, Jost G, Abeck D. Antiseptic efficacy of a low-dosed topical triclosan/chlorhexidine combination therapy in atopic dermatitis. *Skin Pharmacol Physiol*. 2007;20(2):71–6.
53. Alluhayyan OB, Alshahri BK, Farhat A, Alsugair S, Siddiqui JJ, Alghabawy K, et al. Occupational-related contact dermatitis: prevalence and risk factors among healthcare workers in the al'qassim region, saudi arabia during the covid-19 pandemic. *Cureus*. 2020;(October).
54. WHO. WHO guidelines on hand hygiene in health care first global patient safety challenge clean care is safer care. *World Heal Organ*. 2009;
55. Suryani. Faktor-faktor yang berhubungan dengan dermatitis kontak pada pekerja bagian processing dan filling pt. cosmar indonesia tanggerang selatan. *Phys Rev E*. 2011;(June):53.
56. Lund S, Jackson J, Leggett J, Hales L, Dworkin R, Gilbert D. Reality of glove use and handwashing in a community hospital. *AJIC Am J Infect Control*. 1994;22(6):352–7.

57. M K Fox SBLRWW. How good are hand washing practices? [Internet]. American Journal of Nursing. [cited 2022 Dec 7]. p. 76–8.
58. John M. Boyce MD, Didier Pittet MD. Guideline for hand hygiene in health-care settings [Internet]. Centers for Disease Control and Prevention. 2002 [cited 2022 Dec 7].
59. Article O. A web-based survey on the behavior of moisturizer used in adults with and without atopic dermatitis in Thailand. Asian Pacific J Allergy Immunol. 2024;
60. Purnamawati S, Indrastuti N, Danarti R, Saefudin T. The role of moisturizers in addressing various kinds of dermatitis: a review. Clin Med Res [Internet]. 2017 Dec 1 [cited 2022 Dec 7];15(3–4):75.
61. Meding B, Järholm B. Incidence of hand eczema - A population-based retrospective study. J Invest Dermatol. 2004 Apr 1;122(4):873–7.
62. Lerbaek A, Kyvik KO, Ravn H, Menné T, Agner T. Incidence of hand eczema in a population-based twin cohort: Genetic and environmental risk factors. Br J Dermatol. 2007;157(3):552–7.
63. Araghi F, Tabary M, Gheisari M, Abdollahimajd F, Dadkhahfar S. Hand hygiene among health care workers during covid-19 pandemic: challenges and recommendations. Dermatitis [Internet]. 2020 Jul 1 [cited 2022 Dec 9];31(4):233–7.
64. Balato A, Ayala F, Bruze M, Crepy MN, Gonçalo M, Johansen J, et al. European task force on contact dermatitis statement on coronavirus disease-19 (covid-19) outbreak and the risk of adverse cutaneous reactions. J Eur Acad Dermatology Venereol [Internet]. 2020 Aug 1 [cited 2022 Dec 9];34(8):e353–4.
65. Zirwas MJ, Stechschulte SA. Moisturizer allergy: diagnosis and management. J Clin Aesthet Dermatol [Internet]. 2008 Nov [cited 2022 Dec 7];1(4):38.
66. Ruff SMD, Engebretsen KA, Zachariae C, Johansen JD, Silverberg JI, Egeberg A, et al. The association between atopic dermatitis and hand eczema: a systematic review and meta-analysis. Br J Dermatol. 2018;178(4):879–88.