

DAFTAR PUSTAKA

- Agner, T., 2016. Skin barrier function. In *Curr Probl Dermatol*. Basel: Karger.
- Akdeniz, M., Gabriel, S., Lichterfeld-Kottner, A., Blume-Peytavi, U. dan Kottner, J., 2018. Transepidermal water loss in healthy adults: a systematic review and meta-analysis update. *Br J Dermatol*, 179(5), pp.1049–1055.
- Al-Kotb, H. dan Abdel-Aziz, H.R., 2017. Effect of standardized skin care guidelines on skin dryness among elderly people at Ismailia city. *IOSR-JNHS*, 6(6), pp.12–18.
- Alsaqr, A., Rasouly, M. dan Musteata, F.M., 2015. Investigating transdermal delivery of vitamin D3. *AAPS PharmSciTech*, 16(4), pp.963–972.
- Alshahrani, F.M., Almalki, M.H., Aljohani, N., Alzahrani, A., Alsaleh, Y. dan Holick, M.F., 2013. Vitamin D: light side and best time of sunshine in Riyadh, Saudi Arabia. *Dermatoendocrinol*, 5(1), pp.177–180.
- Armengot-Carbo, M., Hernández-Martín dan Torrelo, A., 2015. The role of filaggrin in the skin barrier and disease development. *Actas Dermosifiliogr*, 106(2), pp.86–95.
- Aronson, J.K., 2016. Calcipotriol. In *Meyler's Side Effect of Drugs*. Elsevier B.V.
- Bandier, J., Johansen, J.D., Petersen, L.J. dan Carlsen, B.C., 2014. Skin pH, atopic dermatitis, and filaggrin mutations. *Dermatitis*, 25(3), pp.127–129.
- Berardesca, E., Barbareschi, M., Veraldi, S. dan Pimpinelli, N., 2001. Evaluation of efficacy of a skin lipid mixture in patients with irritant contact dermatitis, allergic contact dermatitis or atopic dermatitis: a multicenter study. *Contact Dermatitis*, 45(5), pp.280–285.
- Bikle, D.D., 2012. Vitamin D and the skin: physiology and pathophysiology. *Rev Endocr Metab Disord*, 13(1), pp.3–19.
- von Brenken, S., Jensen, J.M., Fartasch, M. dan Proksch, E., 1997. Topical vitamin D3 derivatives impair the epidermal permeability barrier in normal mouse skin. *Dermatology*, 194(2), pp.151–156.
- Bubshait, D.A., Al-Dakheel, D.A. dan Alanii, F.M., 2018. Topical vitamin D3: a randomized controlled trial (RCT). *Clin Nutr ESPEN*, 27, pp.16–19.
- Chafidz, M. dan Dwiyantri, E., 2018. Hubungan lama kontak, jenis pekerjaan dan penggunaan APD dengan kejadian dermatitis kontak pada pekerja tahu, Kediri. *IJOSH*, 6(2), p.156.
- Chairunnisa, I., Wijayadi, L.J. dan Dewi Nataprawira, S.M., 2020. Gambaran kadar hidrasi kulit dan kejadian dermatitis kontak iritan pada petugas kebersihan di Universitas Tarumanagara. *Jurnal Bakti Masyarakat Indonesia*, 3(1), pp.29–36.
- Chern, A., Chern, C.M. dan Lushniak, B.D., 2019. Occupational skin diseases. In S. Kang, M. Amagai, A. L. Bruckner, A. H. Enk, D. J. Margolis, A. J. McMichael, & J. S. Orringer, eds. *Fitzpatrick's Dermatology in General Medicine*. New York: McGraw-Hill Education, pp. 438–56.
- Christina, N., 2017. *Prevalensi dermatitis kontak akibat kerja di industri batik tradisional Daerah Istimewa Yogyakarta*. skripsi. Yogyakarta. Universitas Gadjah Mada.
- Clijnsen, R. dan Taeymans, J., 2011. Hydration measurements of the stratum

- corneum: comparison between the capacitance method (digital version of the Corneometer CM 825 (R)) and the impedance method (Skicon-200EX (R)). *Skin Res Technol*, 18(3), pp.316-23.
- Coady, A., Holness, L., Hudon, S., Johnson, N., Muller, M., Shiller, S. *et al.*, 2019. *Recommendations for the prevention, detection and management of occupational contact dermatitis in health care settings*, Ontario: Public Health Ontario.
- Dahlan, M.S., 2010. *Besar sampel dan cara pengambilan sampel dalam penelitian kedokteran dan kesehatan* 3rd edn., Jakarta: Salemba Medika.
- Dijkhoff, I.M., Drasler, B., Karakocak, B.B., Petri-Fink, A., Valacchi, G., Eeman, M. *et al.*, 2020. Impact of airborne particulate matter on skin: a systematic review from epidemiology to in vitro studies. *Part Fibre Toxicol*, 17(1), pp.1–28.
- Draelos, Z.D., 2009. 'Proper skin hydration and barrier function', *Personal care and cosmetic technology*, William Andrew Publishing, pp.355-363.
- Eberting, C.L., Blickenstaff, N. dan Goldenberg, A., 2014. Pathophysiologic treatment approach to irritant contact dermatitis. *Curr Treat Options Allergy*, 1, pp.317–328.
- Febriana, S.A., Erdina, E., Dewi, K., Ridora, Y., Anggraeni, A., Indrastuti, N. *et al.*, 2023. Risk factors of occupational skin diseases among traditional batik manufacturing workers in Yogyakarta, Indonesia. *BMC Res Notes*, 16(1), pp.1–13.
- Febriana, S.A., Ridora, Y., Indrastuti, N., Dewi, K., Erdina, Oginawati, K. *et al.*, 2023. Hazard identification and the prevalence of occupational skin disease in Indonesian batik workers. *Sci Rep*, 13.
- Febriana, S.A., Ridora, Y., Indrastuti, N., Waskito, F. dan Schuttelaar, M.L.A., 2020. Occupationally relevant positive patch test reactions in Indonesian batik workers. *Contact Dermatitis*, 82(6), pp.387–389.
- Firooz, A., Sadr, B., Babakoochi, S., Sarraf-Yazdy, M., Fanian, F., Kazerouni-Timsar, A. *et al.*, 2012. Variation of biophysical parameters of the skin with age, gender, and body region. *Sci World J*, 2012.
- Firooz, A., Zartab, H., Sadr, B., Bagherpour, L.N., Masoudi, A., Fanian, F. *et al.*, 2016. Daytime changes of skin biophysical characteristics: a study of hydration, transepidermal water loss, pH, sebum, elasticity, erythema, and color index on middle eastern skin. *Indian J Dermatol*, 61(6), p.700.
- Heinrich, U., Koop, U., Leneveu-Duchemin, M-C., Osterrieder, K., Bielfeldt, S., Chkarnat, C. *et al.*, 2003. Multicentre comparison of skin hydration in terms of physical-, physiological- and product-dependent parameters by the capacitive method (Corneometer CM 825). *Int J Cosmet Sci*, 25(1–2), pp.45–53.
- Holick, M.F., 2009. Vitamin D status: measurement, interpretation and clinical application. *Ann Epidemiol*, 19(2), pp.73–8.
- Honari, G. dan Maibach, H.I., 2014. 'Chapter 1. Skin structure and function', *Applied Dermatotoxicology*, Academic Press, pp.1-10.
- Hovsepian, S., Amini, M., Aminorroaya, A., Amini, P. dan Iraj, B., 2011. Prevalence of vitamin D deficiency among adult population of Isfahan city,

- Iran. *J Health Popul Nutr*, 29(2), pp.149–155.
- Hudyo, J., 2002. Dermatositis Akibat Kerja. *Majalah Kedokteran Indonesia*, 49(9), pp.16–23.
- Hurlow, J. dan Bliss, D.Z., 2011. Dry skin in older adults. *Geriatr Nurs*, 32(4), pp.257–262.
- Husein, E. dan Lestari, A.B.S., 2019. Optimasi formula sediaan krim *sunflower* (*Helianthus annuus L.*) oil. *Jurnal Ilmu Kefarmasian Indonesia*, 17(1), p.62.
- Jacobi, U., Gautier, J., Sterry, W. dan Lademann, J., 2005. Gender-related differences in the physiology of the stratum corneum. *Dermatology*, 211(4), pp.312–317.
- Jakasa, I., Thyssen, J.P., Kezic, S., Allergy, N., Hospital, G. dan Kezic, S., 2018. The role of skin barrier in occupational contact dermatitis. *Exp Dermatol*, 27(8), pp.909–914.
- Kang, B.C., Kim, Y.E., Kim, Y.J., Chang, M.J., Choi, H.D., Li, K. *et al.* 2014. Optimizing EEMCO guidance for the assessment of dry skin (xerosis) for pharmacies. *Skin Res Technol*, 20(1), pp.87–91.
- Kezic, S. dan Jakasa, I., 2016. Filaggrin and skin barrier function. *Cur Probl Dermatol*, 49, pp.1–7.
- Khoirunnisa, N.A., 2021. *Efek vitamin D topikal pada penguapan air melalui epidermis*. skripsi. Yogyakarta. Universitas Gadjah Mada.
- Kim, J.H., Yoon, N.Y., Kim, D.H., Jung, M., Jun, M., Park, H.Y. *et al.*, 2018. Impaired permeability and antimicrobial barriers in type 2 diabetes skin are linked to increased serum levels of advanced glycation end-product. *Exp Dermatol*, 27(8), pp.815–823.
- Kubo, A. dan Amagai, M., 2019. Skin barrier. In S. Kang, M. Amagai, A. L. Bruckner, A. H. Enk, D. J. Margolis, A. J. McMichael, & J. S. Orringer, eds. *Fitzpatrick's Dermatology in General Medicine*. New York: McGraw-Hill Education, pp. 206–31.
- Lambers, H., Piessens, S., Bloem, A., Pronk, H. dan Finkel, P., 2017. Natural skin surface pH is on average below 5, which is beneficial for its resident flora. *Int J Cosmet Sci*, 28(5), pp.359–70.
- Lee, J.H., Kim, Y. dan So, W.Y., 2020. Correlation between blood pressure and skin health in Korean college female students. *Iran J Public Health*, 49(7), pp.1378–1379.
- Li, X., Galzote, C., Yan, X., Li, L. dan Wang, X., 2013. Characterization of Chinese body skin through in vivo instrument assessments, visual evaluations, and questionnaire: influences of body area, inter-generation, season, sex, and skin care habits. *Skin Res Technol*, 20(1), pp.14–22.
- Lodén, M., 2003. Role of topical emollients and moisturizers in the treatment of dry skin barrier disorders. *Am J Clin Dermatol*, 4(11), pp.771–788.
- Man, M.Q., Wakefield, J.S., Mauro, T.M. dan Elias, P.M., 2022. Alterations in epidermal function in type 2 diabetes: implications for the management of this disease. *J Diabetes*, 14(9), pp.586–595.
- Mostafa, W.Z. dan Hegazy, R.A., 2013. Vitamin D and the skin: focus on a complex relationship: a review. *J Adv Res*, 6(6), pp.793–804.
- Nafaisa, H.Y.A., 2022. Efektivitas pemberian losion vitamin D3: studi kulit kering

- dan kadar serum vitamin D pada lanjut usia. thesis. Yogyakarta. Universitas Gadjah Mada.
- Nedorost, S.T., 2019. Irritant dermatitis. In S. Kang, M. Amagai, A. L. Bruckner, A. H. Enk, D. J. Margolis, A. J. McMichael, & J. S. Orringer, eds. *Fitzpatrick's Dermatology in General Medicine*. New York: McGraw-Hill Education, pp. 414–27.
- du Plessis, J. Stefaniak, A., Eloff, F., John, S., Agner, T., Chou, T.C., *et al.*, 2013. International guidelines for the in vivo assessment of skin properties in non-clinical settings: part 2. transepidermal water loss and skin hydration. *Skin Res Technol*, 19(3), pp.265–278.
- Poonja, P.P., 2022. Skin Barrier Changes in T1DM and T2DM. *Int J Diabetes Res*, 9(2).
- Prakoeswa, C.R.S., Damayanti, Anggraeni, S., Umborowati, M.A., Febriana, S.A., Oginawati, K. *et al.* 2022. Profile of transepidermal water loss (TEWL), skin hydration, and skin acidity (pH) in Indonesian batik workers. *Dermatol Res Pract*, 2022, pp.1–7.
- Prakoeswa, C.R.S., Rahmadewi, R., Setyaningrum, T., Damayanti, D., Mappamasing, H., Anggraeni, S. *et al.*, 2021. Contact dermatitis knowledge level in batik workers of Desa Batik, Tanjung Bumi, Bangkalan, Madura. *Berk Ilmu Kesehatan*, 33(2), p.93.
- Purnamawati, S., Indrastuti, N., Danarti, R. dan Saefudin, T., 2017. The role of moisturizers in addressing various kinds of dermatitis: a review. *Clin Med Res*, 15(3–4), pp.75–87.
- Qassem, M. dan Kyriacou, P., 2019. Review of modern techniques for the assessment of skin hydration. *Cosmetics*, 6(1), p.19.
- Rahrovan, S., Fanian, F., Mehryan, P., Humbert, P. dan Firooz, A., 2018. Male versus female skin: what dermatologists and cosmeticians should know. *Int J Womens Dermatol*, 4(3), pp.122–130.
- Ramos Pinheiro, R., Borges, A.S. dan Brasileiro, A., 2018. Textile allergic contact dermatitis caused by occupational exposure—An overlooked condition. *Contact Dermatitis*, 79(5), pp.323–324.
- Raulf, M., Brüning, T., Jensen-Jarolim, E. dan Van Kampen, V., 2017. Gender-related aspects in occupational allergies - secondary publication and update. *World Allergy Organ J*, 10(1), pp.1–10.
- Rawlings, A. V dan Harding, C.R., 2004. Moisturization and skin barrier function. *Dermatol Ther*, 17(1), pp.43–8.
- van Rensburg, S.J., Franken, A. dan du Plessis, J.L., 2019. Measurement of transepidermal water loss, stratum corneum hydration and skin surface pH in occupational settings: a review. *Skin Res Technol*, 25(5), pp.595–605.
- Rietschel, R.L. dan Fowler, J.F., 2008. *Fisher's Contact Dermatitis* 6th ed., NC: PMPH USA.
- Rogiers, V., 2001. EEMCO guidance for the assessment of transepidermal water loss in cosmetic sciences. *Skin Pharmacol Appl Skin Physiol*, 14(2), pp.117–128.
- Russell, M., 2012. Assessing the relationship between vitamin D3 and stratum corneum hydration for the treatment of xerotic skin. *Nutrients*, 4(9), pp.1213–

1218.

- Sadat-Ali, M., Bubshait, D.A., Al-Turki, H.A., Al-Dakheel, D.A. dan Al-Olayani, W.S., 2014. Topical delivery of vitamin D3: a randomized controlled pilot study. *Int J Biomed Sci*, 10(1), pp.21–24.
- Saleem, M.D., Maibach, H.I. dan Feldman, S.R., 2019. Principles of topical therapy. In S. Kang, M. Amagai, A. L. Bruckner, A. H. Enk, D. J. Margolis, A. J. McMichael, & J. S. Orringer, eds. *Fitzpatrick's Dermatology in General Medicine*. New York: McGraw-Hill Education, pp. 3363–81.
- Sandjaja, S., Budiman, B., Harahap, H., Ernawati, F., Soekatri, M., Widodo, Y. *et al.*, 2013. Food consumption and nutritional and biochemical status of 0-5-12-year-old Indonesian children: The SEANUTS study. *Br J Nutr*, 110, pp. S11-20.
- Sastroasmoro, S. dan Ismael, S., 2014. *Dasar-dasar metodologi penelitian klinis* 5th ed., Jakarta: Sagung Seto.
- Schauber, J., Dorschner, R.A., Yamasaki, K., Brouha, B. dan Gallo, R.L., 2006. Control of the innate epithelial antimicrobial response is cell-type specific and dependent on relevant microenvironmental stimuli. *Immunology*, 118(4), pp.509–519.
- Schmid-Wendtner, M.H. dan Korting, H.C., 2006. The pH of the skin surface and its impact on the barrier function. *Skin Pharmacol Physiol*, 19(6), pp.296–302.
- Seirafi, H., Farsinejad, K., Firooz, A., Davoudi, S.M., Robati, R.M., Hoseini, M.S. *et al.*, 2009. Biophysical characteristics of skin in diabetes: a controlled study. *J Eur Acad Dermatol Venereol*, 23(2), pp.146–149.
- Serup, J., 1995. EEMCO guidance for the assessment of dry skin (xerosis) and ichthyosis: clinical scoring systems. *Skin Res Technol*, 1(3), pp.109–114.
- Seyfarth, F., Schliemann, S., Antonov, D. dan Elsner, P., 2011. Dry skin, barrier function, and irritant contact dermatitis in the elderly. *Clin Dermatol*, 29(1), pp.31–36.
- Soebaryo, R.W., 2012. Batik manufacturing workers. In: *Kanerva's Occupational Dermatology*. Berlin: Springer.
- Sowah, D., Fan, X., Dennett, L., Hagtvedt, R. dan Straube, S., 2017. Vitamin D levels and deficiency with different occupations: a systematic review. *BMC Public Health*, 17(1), pp.1–25.
- Spada, F., Lui, A.H. dan Barnes, T.M., 2019. Use of formulations for sensitive skin improves the visible signs of aging, including wrinkle size and elasticity. *Clin Cosmet Investig Dermatol*, 12, pp.415–425.
- Thomsen, S.F., 2014. Atopic Dermatitis: natural history, diagnosis, and treatment. *ISRN Allergy*, 2014, pp.1–7.
- Uhoda, E., Piérard-Franchimont, C., Petit, L. dan Piérard, G., 2003. Skin weathering and ashiness in black Africans. *Eur J Dermatol*, 13(6), pp.574-8.
- Umar, M., Sastry, K.S., Al Ali, F., Al-Khulaifi, M., Wang, E. dan Chouchane, A.I., 2018. Vitamin D and the pathophysiology of inflammatory skin diseases. *Skin Pharmacol Physiol*, 31(2), pp.74–86.
- UNESCO, 2009. Indonesian batik. *United Nations Educational, Scientific and Cultural Organization*. Terdapat di: <https://ich.unesco.org/en/RL/indonesian-batik-00170>.

- Verdier-Sévrain, S., Bonté, F., Recherche, L. dan Braye, S.J. De, 2007. Skin hydration : a review on its molecular mechanisms. *J Cosmet Dermatol*, 6(2), pp.75–82.
- Visscher, M. dan Narendran, V., 2014. The ontogeny of skin. *Adv Wound Care (New Rochelle)*, 3(4), pp.291–303.
- Wan, D.C., Wong, V.W., Longaker, M.T., Yang, G.P. dan Wei, F.C., 2014. Moisturizing different racial skin types. *J Clin Aesthet Dermatol*, 7(6), pp.25–32.
- Wardani, H.K., Mashoedjo, M. dan Bustamam, N., 2018. Faktor yang berhubungan dengan dermatitis kontak akibat kerja pada pekerja proyek bandara. *IJOSH*, 7(2), p.249.
- Wickett, R.R. dan Visscher, M.O., 2006. Structure and function of the epidermal barrier. *Am J Infect*, 34(10), pp.98–110.
- Witasari, D. dan Sukanto, H., 2014. Dermatitis kontak akibat kerja: penelitian retrospektif. *Berk Ilmu Kesehat*, 26(3), pp.161–167.
- Young, E., Andersen, K.E., Bruze, M., Giménez-Arnau, A., Ross-Hansen, K., Johansen, J.D. *et al.*, 2019. Twenty-eight-day follow-up of patch test reactions to p-phenylenediamine and p-phenylenediamine dihydrochloride: a multicentre study on behalf of the European Environmental and Contact Dermatitis Research Group. *Contact Dermatitis*, 81(1), pp.1–8.