

DAFTAR PUSTAKA

- Akdeniz, M., Gabriel, S., Lichterfeld-Kottner, A., Blume-Peytavi, U., & Kottner, J., 2018. Transepidermal water loss in healthy adults: a systematic review and meta-analysis update. *Br. J. Dermatol.* 179: 1049–1055. doi:10.1111/bjd.17025
- Alsaqr, A., Rasouly, M., & Musteata, F.M., 2015. Investigating Transdermal Delivery of Vitamin D3. *AAPS PharmSciTech* 16: 963–972. doi:10.1208/s12249-015-0291-3
- Anggraini, D.I., Rihatmadja, R., & Yusharyahya, S.N., 2020. Comparison between Moisturizing Cream Containing 10% Urea and 10% Lanolin in Petrolatum in Skin Hydration Improvement among Elderly. *Biomed. Pharmacol. J.* 13: 1513–1521. doi:10.13005/bpj/2025
- Augustin, M., Wilsmann-Theis, D., Körber, A., Kerscher, M., Itschert, G., Dippel, M., et al., 2019. Diagnosis and treatment of xerosis cutis – a position paper. *JDDG - J. Ger. Soc. Dermatology* 17: 3–33. doi:10.1111/ddg.13906
- Barco, D., & Giménez-arnau, A., 2008. Xerosis : a Dysfunction of the Epidermal Barrier. *Actas Dermo-Sifiliográficas (English Ed.* 99: 671–682.
- Bikle, D.D., 2013. Vitamin D and The Skin: Physiology and Patophysiology. *PMC* 13: 3–19.
- Bikle, D.D., 2011. Vitamin D Metabolism and Function in the Skin. *Else* 347: 80–89.
- Bikle, D.D., 2004. Vitamin D Regulated Keratinocyte Differentiation. *J. Cell. Biochem.* 92: 436–444.
- Blichmann, C.W., & Serup, J., 1988. Assesment of Skin Mouisture : Measurement of Electrical Conductance, Capacitance and Transepidermal Water Loss.
- Bubshait, D.A., Al-Dakheel, D.A., & Alanii, F.M., 2018. Topical vitamin D3: A randomized controlled trial (RCT). *Clin. Nutr. ESPEN* 27: 16–19. doi:10.1016/j.clnesp.2018.05.009
- Callender, V.D., & Taylor, S.C., 2012. Efficacy and Safety of Clindamycin Phosphate 1.2% and Tretinoin 0.025% Gel for the Treatment of Acne and Acne-induced Post-inflammatory Hyperpigmentation in Patients with Skin of Color. *J. Clin. Aesthet. Dermatol.* 5: 25–31.
- Choi, M.J., & Maibach, H.I., 2005. Role of Ceramides in Barrier Function of Healthy and Diseased Skin 6: 215–223.
- Clarys, P., Clijsen, R., Taeymans, J., & Barel, A.O., 2011. Hydration Measurements of the Stratum Corneum: Comparison Between the Capacitance Method (Digital Version of the Corneometer CM 825®) and the Impedance Method (Skicon-200EX®). *John Wiley Sons* 0: 1–8.
- Dahlan, M.S., 2010. Besar Sample dan Cara Pengambilan Sampel dalam Penelitian Kedokteran dan Kesehatan, 3rd ed, Salemba Medika. Salemba Medika, Jakarta.
- Danby, S.G., 2016. Biological Variation in Skin Barrier Function : From A (Atopic Dermatitis) to X (Xerosis). *Karger* 49: 47–60.
- Dao, H., & Kazin, R.A., 2007. Gender differences in skin: A review of the literature. *Gend. Med.* 4: 308–328. doi:10.1016/S1550-8579(07)80061-1

- Draelos, Z.D., 2013. Modern moisturizer myths, misconceptions, and truths. *Cutis* 91: 308–314.
- Elkeeb, R., Hui, X., Chan, H., Tian, L., & Maibach, H.I., 2010. Correaltion of Transepidermal Water Loss with Skin Barrier Properties In Vitro : Comparison of Three Evaporimeters. *Wiley* 16: 9–15.
- Gallagher, J.C., 2013. Vitamin D and Aging. *Endocrinol. Metab. Clin. North Am.* 42: 319–332. doi:10.1016/j.ecl.2013.02.004.Vitamin
- Guiraud A Pons, 2007. Dry skin in dermatology : a complex physiopathology. *J. Eur. Acad. Dermatology Venereol.* 21: 1–4.
- Harding, Watkinson, Rawlings, & Scott, 2000. Dry skin, moisturization and corneodesmolysis. *Int. J. Cosmet. Sci.* 22: 21–52. doi:10.1046/j.1467-2494.2000.00001.x
- Hasanah, A.U., 2016. Perbandingan Efektivitas dan Keamanan Krim Pelembap yang Mengandung Centella Asiatica Ekstrak Etanol Dalam Nanopartikel Kitosan dengan Centella Asiatica Ekstrak Etanol dan dengan Krim Pelembab Dasar terhadap Kulit Kering pada Populasi Geriatri.
- Heinrich, U.Ä., Koop, U., Leneveu-duchemin, M., Osterrieder, K., Bielfeldt, S., & Chkarnat, C., 2003. Multicentre comparison of skin hydration in terms parameters by the capacitive method (Corneometer CM 825). *Int. J. Cosmet. Sci.* 25: 45–53.
- Hurlow, J., & Bliss, D.Z., 2011. Dry Skin in Older Adults. *Geriatr. Nurs. (Minneap)*. 32: 257–262.
- Jafferany, M., Huynh, T. V, Silverman, M.A., & Zaidi, Z., 2012. Geriatric dermatoses : a clinical review of skin diseases in an aging population. *Int. J. Dermatol.* 51: 509–522.
- Jiang, Y., Liao, L., Li, J., Wang, L., & Xie, Z., 2020. Older Age Is Associated with Decreased Levels of VDR, CYP27B1, and CYP24A1 and Increased Levels of PTH in Human Parathyroid Glands. *Int. J. Endocrinol.* 2020. doi:10.1155/2020/7257913
- 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. *Ski. Res. Technol.* 20: 87–91. doi:10.1111/srt.12089
- Kottner, J., Lichterfeld, A., & Blume-Peytavi, U., 2013. Transepidermal water loss in young and aged healthy humans: A systematic review and meta-analysis. *Arch. Dermatol. Res.* 305: 315–323. doi:10.1007/s00403-012-1313-6
- Kweder, H., & Eidi, H., 2018. Vitamin D deficiency in elderly: Risk factors and drugs impact on vitamin D status. *Avicenna J. Med.* 8: 139–146. doi:10.4103/ajm.AJM_20_18
- Lee, S.H., Jeong, S.K., & Ahn, S.K., 2006. An Update of the Defensive Barrier Function of Skin. *Yonsei Med. J.* 47: 293–306.
- Long, C.C., & Finlay, A.Y., 1991. The finger-tip unit—a new practical measure. *Clin. Exp. Dermatol.* 16: 444–447. doi:10.1111/j.1365-2230.1991.tb01232.x
- Machado, M., Hadgraft, J., & Lane, M.E., 2010. Assessment of the variation of skin barrier function with anatomic site , age , gender and ethnicity 397–409. doi:10.1111/j.1468-2494.2010.00587.x
- Mandrekar, J.N., 2011. Measures of interrater agreement. *J. Thorac. Oncol.* 6: 6–7.

doi:10.1097/JTO.0b013e318200f983

- Mekić, S., Jacobs, L.C., Gunn, D.A., Mayes, A.E., Ikram, M.A., Pardo, L.M., et al., 2019. Prevalence and determinants for xerosis cutis in the middle-aged and elderly population: A cross-sectional study. *J. Am. Acad. Dermatol.* 81: 963-969.e2. doi:10.1016/j.jaad.2018.12.038
- Mohajer, S., Ghasemi, A., Moonaghi, H.K., & Mazlom, S.R., 2018. Does self-management education for elderly people with chronic diseases improve their quality of life? *MOJ Gerontol. Geriatr.* 3: 433-435. doi:10.15406/mojgg.2018.03.00161
- Mostafa, W.Z., & Hegazy, R.A., 2013. Vitamin D and the skin: Focus on a complex relationship: A review. *J. Adv. Res.* 6: 793-804. doi:10.1016/j.jare.2014.01.011
- Norman, R.A., 2003. Xerosis and pruritus in the elderly: Recognition and management. *Dermatol. Ther.* 16: 254-259. doi:10.1046/j.1529-8019.2003.01635.x
- Nørreslet, L.B., Serup, J., Kezic, S., Aasen, K., Jacob, E., Tove, P.T., et al., 2019. Tattoos and skin barrier function : Measurements of TEWL , stratum corneum conductance and capacitance , pH , and filaggrin 1-7. doi:10.1111/srt.12664
- Nugrahaningrum, S., 2019. Sebaran Intensitas Ultraviolet Eleoterapi Alami (Daylight Phototherapy) di Daerah Istimewa Yogyakarta. Universitas Gadjah Mada.
- Pereira, M.P., & Ständer, S., 2018. Therapy for pruritus in the elderly: a review of treatment developments. *Expert Opin. Pharmacother.* 19: 443-450. doi:10.1080/14656566.2018.1444752
- Piotrowska, A., Wierzbicka, J., & Zmijewski, M.A., 2016. Vitamin D In The Skin Physiology And Pathology. *Acta Biochim. Pol.* 63: 1-13.
- Plessis, J. Du, 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. *Ski. Res. Technol.* 19: 265-278. doi:10.1111/srt.12037
- Plessis, J., Stefaniak, A., Eloff, F., John, S., Agner, T., Nixon, R., et al., 2015. International Guidelines for the In Vivo Assessment of Skin Properties in Non-Clinical Settings: Part 2. Transepidermal Water Loss and Skin Hydration. *Ski. Rs Technol* 19: 265-278.
- Proksch, E., Brandner, J.M., & Jensen, J., 2008. The skin : an indispensable barrier. *Clin. Exp. Dermatol.* 17: 1063-1072.
- Qiu, H., Long, X., Ye, J.C., Hou, J., Senee, J., Laurent, A., et al., 2011. Influence of season on some skin properties: Winter vs. summer, as experienced by 354 Shanghaiese women of various ages. *Int. J. Cosmet. Sci.* 33: 377-383. doi:10.1111/j.1468-2494.2011.00639.x
- Rogiers, V., 2001. EEMCO guidance for the assessment of transepidermal water loss in cosmetic sciences. *Skin Pharmacol. Appl. Skin Physiol.* 14: 117-128. doi:10.1159/000056341
- Russell, M., 2012. Assessing the Relationship between Vitamin D3 and Stratum Corneum Hydration for the Treatment of Xerotic Skin. *Nutrients* 3: 1213-1218.

- Sadat-Ali, M., Bubshait, D.A., Al-Turki, H.A., Al-Dakheel, D.A., & Al-Olayani, W.S., 2014. Topical delivery of vitamin D3: A randomized controlled pilot study. *Int. J. Biomed. Sci.* 10: 21–24.
- Sato, N., Kitahara, T., & Fujimura, T., 2014. Age-related changes of stratum corneum functions of skin on the trunk and the limbs. *Skin Pharmacol. Physiol.* 27: 181–187. doi:10.1159/000353912
- Sawarkar, S., & Ashtekar, A., 2020. Transdermal vitamin D supplementation—A potential vitamin D deficiency treatment. *J. Cosmet. Dermatol.* 19: 28–32. doi:10.1111/jocd.13085
- Sewon, K., Masayuki, A., Anna, L.B., Alexander, H.E., David, J.M., Amy, J.M., et al., 2019. Fitzpatrick's Dermatology 9th Edition, 9th ed. McGraw-Hill.
- Seyfarth, F., Schliemann, S., Antonov, D., & Elsner, P., 2011. Dry skin , barrier function , and irritant contact dermatitis in the elderly. *Clin. Dermatol.* 29: 31–36.
- Tončić, R.J., Kezić, S., Hadžavdić, S.L., & Marinović, B., 2018. Skin barrier and dry skin in the mature patient. *Clin. Dermatol.* 36: 109–115. doi:10.1016/j.clindermatol.2017.10.002
- Wang, Z., Man, M.Q., Li, T., Elias, P.M., & Mauro, T.M., 2020. Aging-associated alterations in epidermal function and their clinical significance. *Aging (Albany, NY)*. 12: 5551–5565. doi:10.18632/aging.102946
- Wat, H., & Dytoc, M., 2014. Off-label uses of topical vitamin D in dermatology: A systematic review. *J. Cutan. Med. Surg.* 18: 91–108. doi:10.2310/7750.2013.13109
- Werner, Y., & Lindberg, M., 1985. TEWL in dry and clinically normal skin (1985).pdf.
- White-chu, E.F., & Reddy, M., 2011. Dry skin in the elderly : Complexities of a common problem. *Clin. Dermatol.* 29: 37–42.