

DAFTAR PUSTAKA

- Adam JMF. 2014. Dislipidemia. Dalam: Reksodiputro AH, Rudijayanto A, Madjid A, Hermawan AG, Rachman AM, Tambunan AS, Rani AA et al (6). Buku Ajar Ilmu Penyakit Dalam jilid II. Jakarta Pusat: Internal Publishing, pp: 2549-2558.
- Adam JMF. 2010. Dislipidemia. Dalam: Sudoyo AW, Setiyohadi B, Alwi I, Simadibrata M, Setiati S.,Buku Ajar Ilmu Penyakit Dalam. Jakarta: Interna Publishing; p.1984-1992.
- Baroni A, Orlando M, Donnarumma G et al., 2006. Toll like receptor 2 (TLR2) mediates intracellular signalling in human keratinocytes in response to *Malassezia furfur*. Arch Dermatol Res ; 297: 280–8.
- Batra R, Boekhout T, Gueho E, Cabanes FJ, Dawson TL Jr, GuptaAK., 2005. *Malassezia* Baillon, emerging clinical yeasts. FEMS Yeast Res; 5: 1101–3.
- Basit Saleem Qazi ,1 Kai Tang,1 and Asma Qazi , 2011. Recent Advances in Underlying Pathologies Provide Insight into Interleukin-8 Expression-Mediated Inflammation and Angiogenesis, Hindawi, volume 2011
- Begum K, Nur F, Shahid MS. 2019.Isolation and characterization of *Malassezia* species from dandruff samples and determination of its sensitivity towards antifungal agents. Bangladesh pharmaceutical journal;22(2):146-152.
- Bhaduri A, Ungewickell A, Boxer LD, Lopez-Pajares V, Zarnegar BJ, et al., 2015. Network analysis identifies mitochondrial regulation of epidermal differentiation by MPZL3 and FDXR. Dev Cell 35: 444-457.
- Biobelemony N, Ogba OM, Abia LN. Dandruff aetiology and the effects of edible lipids on the growth of isolates. 2016. European journal of pharmaceutical and medical research;3(9):71-76.
- Bintang, Maria. 2010. Biokimia Teknik Penelitian. Erlangga, Jakarta
- Borda LJ, Wikramanayake TC., 2015. Seborrheic Dermatitis and Dandruff: A Comprehensive Review. J Clin Investigat Dermatol.;3(2): 10.
- Botham KM, Mayes PA. Bioenergetika dan metabolisme karbohidrat serta lipid. In: Murray RK, Granner DK, Mayes PA, Rodwell VW, editors. Biokimia Harper (Edisi 27). Jakarta: EGC; p.95-249.
- Bramono K., 2002. Pitiriasis sika atau ketombe : etiopatogenesis. In : Sjarif Wasitaatmaja, Sri Linuwih M, Tjut Jacobeb, Sandra Widaty, editor. Kesehatan dan keindahan rambut. Jakarta: Kelompok Studi Dermatologi Kosmetik Indonesia; p. 1-9.
- Brat DJ, Bellail AC, Van Meir EG (2005)."The role of interleukin-8 and its receptors in gliomagenesis and tumoral angiogenesis".Neuro-Oncology. 7 (2): 122–133.
- Buchvald, D., 2010. Lipophilic yeasts of the genus *Malassezia* and skin diseases. Seborrheic dermatitis. Epidemiol Mikrobiol Imunol 59,119–125.
- Bukvic Mokos Z, Kralj M, Basta-Juzbasic A, Lakos Jukic I., 2012. Seborrheic dermatitis: an update. Acta Dermatovenerol Croat 20: 98-104.
- Burdge, G. and Calder, P., 2014. Introduction to Fatty Acids and Lipids. *World Review of Nutrition and Dietetics*, pp.1-16.
- Clavaud Cecile, Roland Jourdain et al., 2013. Dandruff Is Associated with Disequilibrium in the Proportion of the Major Bacterial and Fungal Populations Colonizing the Scalp. PLoS One; 8(3): e58203.

- De Angelis YM, Gemmer CM, Kaczvinsky JR, Kenneally DC, Schwartz JR, Dawson TL Jr., 2005. Three etiologic facets of dandruff and seborrheic dermatitis: *Malassezia* fungi, sebaceous lipids, and individual sensitivity. *J Invest Dermatol Symp Proc* ; 10:295–7.
- De Angelis YM, Saunders CW, Johnstone KR et al., 2007. Isolation and expression of a *Malassezia globosa* lipase gene, *LIP1*. *J Invest Dermatol*; 127: 2138–46.
- Dawson TL Jr., 2007. *Malassezia globosa* and *restricta*: breakthrough understanding of the etiology and treatment of dandruff and seborrheic dermatitis through whole-genome analysis. *J Invest Dermatol Symp Proc*; 12: 15–19.
- Elias, P. M. Stratum corneum acidification: how and why? *Exp. Dermatol.* 24, 179–180 (2015)
- E. Hoffmann, O. Dittrich-Breiholz, H. Holtmann, and M. Kracht, “Multiple control of interleukin-8 gene expression,” *Journal of Leukocyte Biology*, vol. 72, no. 5, pp. 847–855, 2002.
- Ermertcan AT, Öztürk F, Gündüz K., 2011. Toll-like receptors and skin. *J Eur Acad Dermatol Venerol.* 25:997-1006.
- Faergemann J, Bergbrant IM, Dohse M, Scott A, Westgate G., 2001. Seborrheic dermatitis and *Pityrosporum (Malassezia) folliculitis*: characterization of inflammatory cells and mediators in the skin by immunohistochemistry. *Br J Dermatol* 144: 549-556.
- Grimalt R., 2007. A Practical Guide to Scalp Disorders. *J Invest Dermatol Symp Proc.* 12(2):10–4.
- G. A. Turner, M. Hoptroff and C. R. Harding., 2012. Stratum corneum dysfunction in dandruff. *International Journal of Cosmetic Science*, 34, 298–306.
- Gaitanis G, Magiatis P, Hantschke M, Bassukas ID, Velegraki A., 2013. The *Malassezia* genus in skin and systemic diseases. *Clin Microbiol Rev*; 25: 106–41.
- Gemmer CM, DeAngelis YM, Theelen B, Boekhout T, Dawson JT Jr., 2002. Fast, non invasive method for molecular detection and differentiation of *Malassezia* yeast species on human skin and application of the method to dandruff microbiology. *J Clin Microbiol*; 40:3350–7.
- Gaitanis G, Velegraki A, Mayser P, Bassukas ID., 2012. Skin diseases associated with *Malassezia* yeasts: facts and controversies. *Clin Dermatol*; 31: 455–63.
- Goldman, L., Ausiello, D. and Cecil, R., 2008. *Cecil medicine*. Philadelphia: Saunders, Elsevier.
- Grimshaw SG, Smith AM, Arnold DS, Xu E, Hoptroff M, Murphy B (2019) The diversity and abundance of fungi and bacteria on the healthy and dandruff affected human scalp. *PLoS ONE* 14(12)
- Guo, R., Chen, Y., Borgard, H., Jijiwa, M., Nasu, M., He, M. and Deng, Y., 2020. The Function and Mechanism of Lipid Molecules and Their Roles in The Diagnosis and Prognosis of Breast Cancer. *Molecules*, 25(20), p.4864.
- Harding CR., 2004. The stratum corneum: structure and function in health and disease. *Dermatol Ther* 17 Suppl 1: 6-15.
- Hayashi K, Cao T, Passmore H, Jourdan-Le Saux C, Fogelgren B, et al., 2004. Progressive hair loss and myocardial degeneration in rough coat mice:

- reduced lysyl oxidase-like (LOXL) in the skin and heart. *J Invest Dermatol* 123: 864-871.
- Hiruma M, Cho O, Hiruma M, Kurakado S, Sugita T, Ikeda S., 2014. Genotype analyses of human commensal scalp fungi, *Malassezia globosa*, and *Malassezia restricta* on the scalps of patients with dandruff and healthy subjects. *Mycopathologia*; 177: 263–9.
- Hitendra, Tamke, Dipak C, Deotale, Vijayashri S. 2021. *Malassezia* species distribution in cases of pityriasis versicolor and dandruff in tertiary care rural hospital: a cross-sectional study. *Journal of clinical and diagnostic research*;15(5):4-7.
- Hoger H, Gialamas J, Adamiker D., 1994. Reduced tumour incidence in mice with inherited seborrhoeic dermatitis. *Lab Anim* 28: 340-346.
- Honnar P, Chakrabarti A, Dhaliwal M, Dogra S, Handa S, Lakshmi PVM, et al. 2021. Sociodemographic characteristic and spectrum of *Malassezia* species in individuals with and without seborrhoeic dermatitis/dandruff: A comparison of residents of the urban and rural populations. *International society for human and animal micology*;0:1-6.
- Houten, S., Violante, S., Ventura, F. and Wanders, R., 2016. The Biochemistry and Physiology of Mitochondrial Fatty Acid β -Oxidation and Its Genetic Disorders. *Annual Review of Physiology*, 78(1), pp.23-44.
- Hay, R.J., 2011. *Malassezia*, dandruff and seborrhoeic dermatitis: an overview. *Brit J Dermatol*.165(suppl. 2), 2–8.
- Indran NR. Global survey reveals high incidence of dandruff among young Indians. Diunduh dari: <http://apnnews.com/2011/06/02/global-survey-reveals-high-incidence-of-dandruff-among-young-indians/>.
- Ishibashi Y, Sugita T, Nishikawa A., 2006. Cytokine secretion profile of human keratinocytes to *Malassezia* yeasts. *FEMS Immunol Med Microbiol*; 48: 400–9.
- J. S. Rogers, A. E. Moore, H. Meldrum., 2003. Increased scalp skin lipids in response to antidandruff treatment containing zinc pyrithione. *Archives of Dermatological Research*, 2003, Vol. 295, Number 3, Page 127.
- James R. Schwartz 1, Andrew G. Messenger et al., 2013. A Comprehensive Pathophysiology of Dandruff and Seborrhoeic Dermatitis – Towards a More Precise Definition of Scalp Health. *Acta Derm Venereol*; 93: 131–137.
- James, A. G., Abraham, K. H., Cox, D. S., Moore, A. E. & Pople, J. E., 2013. Metabolic analysis of the cutaneous fungi *Malassezia globosa* and *M. restricta* for insights on scalp condition and dandruff. *Int J Cosmet Sci* 35, 169–175.
- Jourdain, R., Moga, A., Vingler, P., el Rawadi, C., Pouradier, F., Souverain, L., Bastien, P., Amalric, N. and Breton, L., 2016. Exploration of scalp surface lipids reveals squalene peroxide as a potential actor in dandruff condition. *Archives of Dermatological Research*, 308(3), pp.153-163.
- Jusuf NK, Nasution TA, Ulyana S., 2018. Diagnostic value of nested-PCR for identification of *Malassezia* species in dandruff. *Earth and environmental science*;125:1-7.

- Kauhanen D et al. Development and validation of a high-throughput LC-MS/MS assay for routine measurement of molecular ceramides. *Analytical and bioanalytical chemistry* (2016).
- Kerr K, Darcy T, Henry J et al., 2011. Epidermal changes associated with symptomatic resolution of dandruff: biomarkers of scalp health. *Int J Dermatol*; 50: 102–13.
- Findley, K. et al. Topographic diversity of fungal and bacterial communities in human skin. *Nature* 498, 367–370 (2013).
- Kim SY, Kim HS et al., 2016. Isolation and identification of *Malassezia* species from Chinese and Korean patient with seborrheic dermatitis and in vitro studies on their bioactivity on sebaceous lipids. *Blackwell Verlag GmbH. Mycoses*, 59 : 274-280.
- Kovar J, Havel RJ. 2002. Sources and properties of triglyceride-rich lipoproteins containing apoB-48 and apoB-100 in postprandial blood plasma of patients with primary combined hyperlipidemia. *J Lipid Res*; 43: 1026-34.
- Lee YW, Yim SM, Lim SH, Choe YB, Ahn KJ., 2006. Quantitative investigation on the distribution of *Malassezia* species on healthy human skin in Korea. *Mycoses* 2006; 49: 405–10.
- Lee YW, Lee SY, Lee Y, Jung WH., 2013. Evaluation of expression of lipases and phospholipases of *Malassezia restricta* in patients with seborrheic dermatitis. *Ann Dermatol* 2013; 2:310–14.
- Iinuma K, Sato T, Akimoto N et al., 2009. Involvement of *Propionibacterium acnes* in the augmentation of lipogenesis in hamster sebaceous glands in vivo and in vitro. *J Invest Dermatol*; 129: 2113–19.
- Lorch, J.M.; Palmer, J.M.; Vanderwolf, K.J.; Schmidt, K.Z.; Verant, M.L.; Weller, T.J.; Blehert, D.S. (2018). *Malassezia vespertilionis* sp. nov.: a new cold-tolerant species of yeast isolated from bats. *Persoonia - Molecular Phylogeny and Evolution of Fungi*. 41 (1): 56–70
- Matteo Ludovici, Nina Kozul, Stefano Materazzi, Roberta Risoluti, Mauro Picardo & Emanuela Camera. Influence of the sebaceous gland density on the stratum corneum lipidome, *Scientific Reports* volume 8, Article number: 11500 (2018)
- Maibach GKS.HI., 1993. *Pocket Atlas of Dermatology*. New York: Georg Thieme Verlag
- Maietta G, Fomaro P, Rongioletti F, Reboora A., 1990. Patients with mood depression have a high prevalence of seborrheic dermatitis. *Acta Derm Venereol* 70:432-34.
- Manuel F, Ranganathan S., 2011. A new postulate on two stages of dandruff: a clinical perspective. *Int J Trichology* 3: 3-6.
- Madiono B, et al. 2010. Perkiraan besar sampel. In : *Dasar-dasar Metodologi Penelitian Klinis*, ed. 3 Sagung Seto, Jakarta ;302-331.
- Mahsa Rostami Chaijan, Farhad Handjani, Mohammadmehdi Zarshenas, Massih Sedigh Rahimabadi, Ali Tavakkoli., 2018. The myrtus communis L. solution versus ketoconazole shampoo in treatment of dandruff: A double blinded randomized clinical trial. *JPM* 68: 715.
- Mondon, P., Ringenbach, C., Doridot, E. and Genet, V., 2017. Reinforcement of barrier function and scalp homeostasis by Senkyunolide A to fight against dandruff. *International Journal of Cosmetic Science*, 39(6), pp.617-621.

- Nelson AM, Thiboutot.,2012. Biology of the sebaceous glands.In : Wolff K, Goldsmith LA, Katz SI, Gilcrest BA, Paller AS. Fitzpatrick's in general medicine. Edisi ke-8. New York: Mc Graw-Hill;h. 893-7.
- Nguyen, P., Leray, V., Diez, M., Serisier, S., Bloc'h, J., Siliart, B. and Dumon, H., 2008.Liver lipid metabolism. *Journal of Animal Physiology and Animal Nutrition*, 92(3), pp.272-283.
- NK Jusuf, TA Nasution, S Ulyana., 2018.Diagnostic value of nested PCR for identification of *Malassezia* species in dandruff. IOP conf series: Earth and environmental Science 125 IOP Publishing.
- Oh BH, Lee YW, Choe YB, Ahn KJ., 2010. Epidemiologic study of *Malassezia* yeasts in seborrheic dermatitis patients by the analysis of 26S rDNAPCR-RFLP. *Ann Dermatol*; 22:149–55.
- Park, H., Oh, J., Lee, Y., Park, S., Lee, Y., Lee, S., Kang, H. and Kim, J., 2020. Inflammasome- mediated Inflammation by *Malassezia* in human keratinocytes: A comparative analysis with different strains. *Mycoses*, 64(3), pp.292-299.
- Park M, Cho YJ, Lee YW, Jung WH., 2017. Whole genome sequencing analysis of the cutaneous pathogenic yeast *Malassezia restricta* and identification of the major lipase expressed on the scalp of patients with dandruff.*Mycoses*.;60(3):188-197.
- Pierard-Franchimont C, Pierard GE., 2002.A double-blind placebo-controlled study of ketoconazole + desonide gel combination in the treatment of facial seborrheic dermatitis. *Dermatology* 204: 344-347
- Piérard-Franchimont,E. Xhauftaire-Uhoda, G. E. Piérard., 2006. Revisiting dandruff. *International Journal of Cosmetic Science*, 28, 311–318.
- Rader DJ, Hobbs HH. 2008. Disorders of lipoprotein metabolism. In: Fauci AS, Braunwald E, Kasper DL, Hauser SL, Longo DL, Jameson JL, Loscalzo J, editors. *Harrison's Principles of Internal Medicine*. New York: McGrawHill Medical:2416-28.
- Raditya, I. G. B., , C. D. W. H. Sundari, dan I. W., Karta. 2018. Gambaran Kadar Kolesterol Low Density Lipoprotein (Ldl) Pada Perokok Aktif. 6(2), 78–87.
- Ranganathan and T Mukhopadhyay. 2010. Dandruff the most commercially exploited skin disease. *Indian J Dermatol*. Apr-Jun; 55(2): 130–134.
- Reeves EP, Williamson M, O'Neill SJ, Grealley P, McElvaney NG (Jun 2011). "Nebulized hypertonic saline decreases IL-8 in sputum of patients with cystic fibrosis". *American Journal of Respiratory and Critical Care Medicine*. 183 (11): 1517–23
- Ro BI, Dawson TL., 2005. The role of sebaceous gland activity and scalp microfloral metabolism in the etiology of seborrheic dermatitis and dandruff. *J Investig Dermatol Symp Proc*10: 194–7.
- Rodwell, V., Botham, K., Bender, D., Kennelly, P. and Weil, P., 2015. *Harper's illustrated biochemistry*. New York: McGraw Hill education.
- Rudramurthy SM, Honnavar P, Dogra S, Yegneswaran PP, Handa S, Chakrabarti A. 2014. Association of *Malassezia* species with dandruff. *Indian journal of medical research*;139:431-437.
- Sampaio AL, Nunes AP., 2011. Study of frequency of human leukocyte antigen (HLA) in seborrheic dermatitis patients in a miscegenated population.

- School of Medicine.Federal University of Rio de Janeiro, Rio de Janeiro, Brazil.
- Saunte, D., Gaitanis, G. and Hay, R., 2020. Malassezia-Associated Skin Diseases, the Use of Diagnostics and Treatment. *Frontiers in Cellular and Infection Microbiology*, 10.
- Shinichi Watanabe, Rui Kano, Hiroko Sato, Yuka Nakamura, Atsuhiko Hasegawa., 2001. The Effects of Malassezia Yeasts on Cytokine Production by Human Keratinocytes. *Journal of Investigative Dermatology* Volume 116, Issue 5, May, Pages 769-773.
- Siringoringo, H. E., dan E. Chundrayetti. 2016. Perbedaan Rerata Kadar Profil Lipid pada Preeklampsia dengan Kehamilan Normal pada Etnik Minangkabau. Sumatra Barat: Universitas Andalas
- Schwartz JR, Messenger AG, Tosti A et al., 2013. A comprehensive pathophysiology of dandruff and seborrheic dermatitis—towards a more precise definition of scalp health. *ActaDermVenereol*; 93: 131–7.
- Sommer, B., Overy, D. P. & Kerr, R. G. 2015. Identification and characterization of lipases from *Malassezia restricta*, a causative agent of dandruff. *FEMS Yeast Res* 15.
- Statistics by Country for Dandruff. Rev. Mei 2003. Diunduh dari:http://cureresearch.com/d/dandruff/stats-country_printer.htm
- Talbert RL. 2005. Hyperlipidemia. In: DiPiro JT, Talbert RL, Yee GC, et al., editors. *Pharmacotherapy: a Pathophysiologic Approach*. ed 6. New York: McGraw-Hill.
- Tajima M, Sugita T, Nishikawa A, Tsuboi R., 2008. Molecular analysis of *Malassezia* microflora in seborrheic dermatitis patients: comparison with other diseases and healthy subjects. *J Invest Dermatol*;128: 345–51.
- Thomas DS, Ingham E, Bojar RA, Holland KT., 2008. In vitro modulation of human keratinocyte pro- and anti-inflammatory cytokine production by the capsule of *Malassezia* species. *FEMS Immunol Med Microbiol*; 54: 203–14.
- Theresia L, Nopriyati, Theodorus , Sari, Y.M. 2017. The Relationship between Serum Lipid Profile and Sebum Secretion in Seborrheic Dermatitis Patients. *International Journal of Health Sciences & Research* (www.ijhsr.org). Vol.7; Issue: 4; April 2017.
- Tumanov, S. & Kamphorst, J. J. Recent advances in expanding the coverage of the lipidome. *Curr.Opin.Biotechnol.*43, 127–133 (2016).
- Turner GA, Hoptroff M, Harding CR., 2012. Stratum corneum dysfunction in dandruff. *Int J Cosmet Sci* 34: 298-306.
- Van Smeden, J. & Bouwstra, J. A. Stratum Corneum Lipids: Their Role for the Skin Barrier Function in Healthy Subjects and Atopic Dermatitis Patients. *Curr.Probl.Dermatol.*49, 8–26 (2016).
- Watanabe S, Kano R, Sato H, Nakamura Y, Hasegawa A., 2001. The effects of *Malassezia* yeasts on cytokine production by human keratinocytes. *J Invest Dermatol*; 116:769–73.
- Watuseke, A. E., H. Polii, P. M. Wowor. 2016. Gambaran kadar lipid trigliserida pada pasien usia produktif di Puskesmas Bahu Kecamatan Malalayang Kota Manado periode November 2014 – Desember 2014. Sulawesi Utara: Fakultas Kedokteran Universitas Sam Ratulangi Manado.
- World Health Organization *World Health Statistics 2012*. 2012.

- Wikramanayake, T., Borda, L., Miteva, M. and Paus, R., 2019. Seborrheic dermatitis—Looking beyond *Malassezia*. *Experimental Dermatology*, 28(9), pp.991-1001.
- Yoon, J., Shim, J., Lim, J. and Park, S., 2020. Biophysical characteristics of dandruff- affected scalp categorized on the basis of sebum levels. *Journal of Cosmetic Dermatology*, 20(3), pp.1002-1008.
- Zareei M, Mohammadi SR, Shahbazi S. 2015. Molecular identification of *Malassezia* species with direct DNA extraction from scalp of patients with dandruff and seborrheic dermatitis. *Journal of pure and applied microbiology*;9(4):2781-87.
- Zhijue Xu, Zongxiu Wang, Chao Yuan, Xiaoping Liu, Fang Yang, Ting Wang, *et al.*, 2016. Dandruff is associated with the conjoined interactions between host and microorganisms. *Scientific Reports* | 6:24877
- Zhang H, Ran Y, Xie Z, Zhang R. 2013. Identification of *Malassezia* species in patients with seborrheic dermatitis in China. *Mycopathologia*;175: 83–89.
- Zhang E, Tanaka T, Tajima M, Tsuboi R, Nishikawa A, Sugita T.2011. Characterization of the skin fungal microbiota in patients with atopic dermatitis and in healthy subjects. *Microbiol Immunol*; 55:625–32.

