

DAFTAR PUSTAKA

- AlQassimi, Sarah, Safiya AlBrashdi, Hassan Galadari, and Muhammad Jawad Hashim. 2020. "Global Burden of Psoriasis – Comparison of Regional and Global Epidemiology, 1990 to 2017." *International Journal of Dermatology* 59(5):566–71.
- Antiga E, Bonciolini V, Volpi W, Bianco ED, Caproni M. Oral curcumin (Meriva) is effective as an adjuvant treatment and is able to reduce IL-22 serum level in patients with psoriasis vulgaris. *BioMed research International*. 2015:1-7.
- Arakawa, Akiko, Katherina Siewert, Julia Stöhr, Petra Besgen, Song-Min Kim, *et al.* 2015. "Melanocyte Antigen Triggers Autoimmunity in Human Psoriasis." *Journal of Experimental Medicine* 212(13):2203–12.
- Arif, MZ. 2017. "Pengaruh Madu Terhadap Luka Bakar." *Medula* 7(5):71–74.
- Armstrong, April W., and Charlotte Read. 2020. "Pathophysiology, Clinical Presentation, and Treatment of Psoriasis." *JAMA* 323(19):1945.
- Atabati, Hadi, Seyed Alireza Esmaili, Ehsan Saburi, Maedeh Akhlaghi, Amir Raofi, *et al.* 2020. "Probiotics with Ameliorating Effects on the Severity of Skin Inflammation in Psoriasis: Evidence from Experimental and Clinical Studies." *Journal of Cellular Physiology* 235(12):8925–37.
- Belinchón Romero, Isabel, Esteban Dauden, Carlos Ferrándiz Foraster, Álvaro González-Cantero, and Jose Manuel Carrascosa Carrillo. 2021. "Therapeutic Goals and Treatment Response Evaluation in Moderate to Severe Psoriasis: An Experts Opinion Document." *Annals of Medicine* 53(1):1727–36.
- Benezeder, Theresa, Clemens Painsi, VijayKumar Patra, Saptaswa Dey, Martin Holcmann, *et al.* 2020. "Dithranol Targets Keratinocytes, Their Crosstalk with Neutrophils and Inhibits the IL-36 Inflammatory Loop in Psoriasis." *ELife* 9.
- Bergfeld, V., Donald Belsito, R. Hill, C. Klaassen, D. Liebler, J. Marks, *et al.* 2018. "Safety Assessment of Parabens as Used in Cosmetics." *Cosmetic Ingredient Review* 128.
- Bianchi, Gerolamo, Roberto Caporali, Monica Todoerti, and Paolo Mattana. 2016. "Methotrexate and Rheumatoid Arthritis: Current Evidence Regarding Subcutaneous Versus Oral Routes of Administration." *Advances in Therapy* 33(3):369–78.
- Boehncke, Wolf-Henning, and Michael P. Schön. 2015. "Psoriasis." *The Lancet* 386(9997):983–94.
- Bożek, Agnieszka, and Adam Reich. 2017. "The Reliability of Three Psoriasis Assessment Tools: Psoriasis Area and Severity Index, Body Surface Area and Physician Global Assessment." *Advances in Clinical and Experimental Medicine* 26(5):851–56.
- Branisteanu, Daciana, Catalina Cojocar, Roxana Diaconu, Elena Porumb, Anisia Alexa, *et al.* 2022. "Update on the Etiopathogenesis of Psoriasis (Review)."

Experimental and Therapeutic Medicine 23(3):201.

- Brezinski, Elizabeth A., Jaskaran S. Dhillon, and April W. Armstrong. 2015. "Economic Burden of Psoriasis in the United States." *JAMA Dermatology* 151(6):651.
- Bronckers, I. M. G. J., A. S. Paller, M. J. van Geel, P. C. M. van de Kerkhof, and M. M. B. Seyger. 2015. "Psoriasis in Children and Adolescents: Diagnosis, Management and Comorbidities." *Pediatric Drugs* 17(5):373–84.
- Buhas MC, Candrea R, Gavrilas LI, Miere D, Tataru A, Boca A *et al.* Transforming Psoriasis Care: Probiotics and Prebiotics as Novel Therapeutic Approaches. *Int. J. of Mol. Sci.* 2023;24:1125: 1-17.
- Capon, Francesca. 2017. "The Genetic Basis of Psoriasis." *International Journal of Molecular Sciences* 18(12):2526.
- Chen, Lihui, Jie Li, Wu Zhu, Yehong Kuang, Tao Liu, *et al.* 2020. "Skin and Gut Microbiome in Psoriasis: Gaining Insight Into the Pathophysiology of It and Finding Novel Therapeutic Strategies." *Frontiers in Microbiology* 11.
- Chen, Yi-Hsing, Chieh-Shan Wu, Ya-Husan Chao, Chi-Chen Lin, Hui-Yun Tsai, *et al.* 2017. "*Lactobacillus* Pentosus GMNL-77 Inhibits Skin Lesions in Imiquimod-Induced Psoriasis-like Mice." *Journal of Food and Drug Analysis* 25(3):559–66.
- Colamatteo A, Carbone F, Bruzzaniti S, Galgani M, Fusco C, Maniscalco GT *et al.* Molecular mechanisms controlling FOXP3 expression in health and autoimmunity: From epigenetic to post-translational regulation. *Front Immunol.* 2020;10.
- Damiani G, Bragazzi NL, Karimkhani Aksut C. 2021. "The Global, Regional, and National Burden of Psoriasis: Results and Insights From the Global Burden of Disease 2019 Study. (Lausanne). 2021;8:743180." *Front Med* 8:743180.
- Deng, Yadan, Zhifeng Fang, Shumao Cui, Jianxin Zhao, Hao Zhang, *et al.* 2021. "Evaluation of Probiotics for Inhibiting Hyperproliferation and Inflammation Relevant to Psoriasis in Vitro." *Journal of Functional Foods* 81:104433.
- Dogra, Sunil, and Rahul Mahajan. 2016. "Psoriasis: Epidemiology, Clinical Features, Co-Morbidities, and Clinical Scoring." *Indian Dermatology Online Journal* 7(6):471.
- Farahnik, Benjamin, Mio Nakamura, Rasnik K. Singh, Michael Abrouk, Tian Hao Zhu, *et al.* 2016. "The Patient's Guide to Psoriasis Treatment. Part 2: PUVA Phototherapy." *Dermatology and Therapy* 6(3):315–24.
- Fatma, Iffa Illiyya, Lilis Nuraida, and Didah Nur Faridah. 2022. "Potensi Probiotik Bakteri Asam Laktat Asal Madu Dari Tiga Jenis Lebah Yang Berbeda." *Jurnal Teknologi Dan Industri Pangan* 33(2):189–99.
- Fawzy, Ahmad. 2023. "An Updated Review on Hypertension." *International Journal of Current Innovations in Advanced Research* 03(05):17.

- Ferreira, Bárbara Isabel Roque Cunha, José Luís Pio Da Costa Abreu, José Pedro Gaspar Dos Reis, and Américo Manuel Da Costa Figueiredo. 2016. "Psoriasis and Associated Psychiatric Disorders: A Systematic Review on Etiopathogenesis and Clinical Correlation." *The Journal of Clinical and Aesthetic Dermatology* 9(6):36–43.
- Foerster, John, Kirsty Boswell, Jonathan West, Heather Cameron, Colin Fleming, *et al.* 2017. "Narrowband UVB Treatment Is Highly Effective and Causes a Strong Reduction in the Use of Steroid and Other Creams in Psoriasis Patients in Clinical Practice" edited by N. Oiso. *Plos One* 12(8):e0181813.
- França, Katlein. 2021. "Topical Probiotics in Dermatological Therapy and Skincare: A Concise Review." *Dermatology and Therapy* 11(1):71–77.
- Frasca, Loredana, Raffaella Palazzo, Maria S. Chimenti, Stefano Alivernini, Barbara Toluoso, *et al.* 2018. "Anti-LL37 Antibodies Are Present in Psoriatic Arthritis (PsA) Patients: New Biomarkers in PsA." *Frontiers in Immunology* 9(SEP):1–16.
- Freitas, Egídio, Maria Alexandra Rodrigues, and Tiago Torres. 2020. "Diagnosis, Screening and Treatment of Patients with Palmoplantar Pustulosis (PPP): A Review of Current Practices and Recommendations." *Clinical, Cosmetic and Investigational Dermatology* Volume 13:561–78.
- Fu L, Peng J, Zhao S, Zhang Y, Su Xiurong, Wang Y. Lactic acid bacteria-specific induction of CD4 FOXP3 T cells ameliorates shrimp tropomyosin-induced allergic response in mice via suppression of mTOR signaling. *Scientific Reports*. 2017;7:1-14.
- Gabros S, Nessel TA, Zito PM. Topical Corticosteroid. National Library of medicine. lastupdate: 10 July,2023
- Ge, Yun, Man Huang, and Yong Ming Yao. 2020. "Biology of Interleukin-17 and Its Pathophysiological Significance in Sepsis." *Frontiers in Immunology* 11(July):1–13.
- Gudjonsson JE, Elder JT. 2019. "Fitzpatrick's Dermatology in General Medicine." Pp. 457–97 in, edited by *et al* Kang S, Amagai M, Bruckner AL, Enk AH, Margolis DJ, McMichael AJ. New York: McGraw-Hill.
- Hadeler, Edward, Megan Mosca, Julie Hong, Nicholas Brownstone, Tina Bhutani, *et al.* 2021. "Nail Psoriasis: A Review of Effective Therapies and Recommendations for Management." *Dermatology and Therapy* 11(3):799–831.
- Han, Kyoung Jun, Ji Eun Lee, Na Kyoung Lee, and Hyun Dong Paik. 2020. "Antioxidant and Anti-Inflammatory Effect of Probiotic *Lactobacillus Plantarum* KU15149 Derived from Korean Homemade Diced-Radish Kimchi." *Journal of Microbiology and Biotechnology* 30(4):591–98.
- Hawkes, Jason E., Tom C. Chan, and James G. Krueger. 2017. "Psoriasis Pathogenesis and the Development of Novel Targeted Immune Therapies." *Journal of Allergy and Clinical Immunology* 140(3):645–53.

- Herwina, H., S. Salmah, M. N. Janra, Mairawita, J. Nurdin, Jasmi, *et al.* 2021. "Stingless Bee-Keeping (Hymenoptera: Apidae: Meliponini) and Its Potency for Other Related-Ventures in West Sumatra." *Journal of Physics: Conference Series* 1940(1):012073.
- Hidalgo-Cantabrana, C., J. Gómez, S. Delgado, S. Requena-López, R. Queiro-Silva, A. Margolles, *et al.* 2019. "Gut Microbiota Dysbiosis in a Cohort of Patients with Psoriasis." *British Journal of Dermatology* 181(6):1287–95.
- Hsu, Daniel K., Maxwell A. Fung, and Hung Lin Chen. 2020. "Role of Skin and Gut Microbiota in the Pathogenesis of Psoriasis, an Inflammatory Skin Disease." *Medicine in Microecology* 4(December 2019):100016.
- Hu Y, Jiang L, Lei L, Luo L, Guo H, Huang J et al. Establishment and validation of psoriasis evaluation models. *Fundamental Research*. 2(1);2222:166-176.
- International Federation of Psoriasis Association (IFPA)*. 2015. "World Psoriasis Day 2015." diunduh dari <https://www.iapo.org.uk/news/2015/sep/28/world-psoriasis-day-giving-global-voice-more-125-million-people-psoriasis/24> Maret 2023
- Jensen, Peter, and Lone Skov. 2017. "Psoriasis and Obesity." *Dermatology* 232(6):633–39.
- Juráňová, Jana, Jana Franková, and Jitka Ulrichová. 2017. "The Role of Keratinocytes in Inflammation." *Journal of Applied Biomedicine* 15(3):169–79.
- Kaeley, Gurjit S., Lihi Eder, Sibel Zehra Aydin, Phoebe Rich, and Catherine J. Bakewell. 2021. "Nail Psoriasis: Diagnosis, Assessment, Treatment Options, and Unmet Clinical Needs." *The Journal of Rheumatology* 48(8):1208–20.
- Kaji, Rumi, Junko Kiyoshima-Shibata, Satoshi Tsujibe, Masanobu Nanno, and Kan Shida. 2018. "Short Communication: Probiotic Induction of Interleukin-10 and Interleukin-12 Production by Macrophages Is Modulated by Co-Stimulation with Microbial Components." *Journal of Dairy Science* 101(4):2838–41.
- Kamata, Masahiro, and Yayoi Tada. 2020. "Efficacy and Safety of Biologics for Psoriasis and Psoriatic Arthritis and Their Impact on Comorbidities: A Literature Review." *International Journal of Molecular Sciences* 21(5):1690.
- Kelwick, Richard, Ines Desanlis, Grant N. Wheeler, and Dylan R. Edwards. 2015. "The ADAMTS (A Disintegrin and Metalloproteinase with Thrombospondin Motifs) Family." *Genome Biology* 16(1).
- Khushali Trivedi, Mrs. Padmini Ravikumar. 2016. "Topical Formulations In Psoriasis Management: An Overview." *Indo American Journal of Pharmaceutical Research* 6(11).
- Kim, Jaehwan, and James G. Krueger. 2017. "Highly Effective New Treatments for Psoriasis Target the IL-23/Type 17 T Cell Autoimmune Axis." *Annual Review of Medicine* 68(1):255–69.
- Kim, Jaehwan, Chil-Hwan Oh, Jiehyun Jeon, Yoosang Baek, Jaewoo Ahn, *et al.*

2016. "Molecular Phenotyping Small (Asian) versus Large (Western) Plaque Psoriasis Shows Common Activation of IL-17 Pathway Genes but Different Regulatory Gene Sets." *Journal of Investigative Dermatology* 136(1):161–72.
- Kim, Whan B., Dana Jerome, and Jensen Yeung. 2017. "Diagnosis and Management of Psoriasis." *Canadian Family Physician Medecin de Famille Canadien* 63(4):278–85.
- Kimmel, Grace W., and Mark Lebwohl. 2018. "Psoriasis: Overview and Diagnosis." *Part of Springer Nature*. 1–16 in.
- Kishimoto, Megumi, Mayumi Komine, Miho Sashikawa-Kimura, Tuba Musarrat Ansary, Koji Kamiya, *et al.* 2021. "Stat3 Activation in Psoriasis and Cancers." *Diagnostics* 11(10):1–9.
- Kleyn, Elise C., Elaine Morsman, Lizelle Griffin, Jashin J. Wu, Peter Cm van de Kerkhof, *et al.* 2019. "Review of International Psoriasis Guidelines for the Treatment of Psoriasis: Recommendations for Topical Corticosteroid Treatments." *Journal of Dermatological Treatment* 30(4):311–19.
- Korman, N. J. 2020. "Management of Psoriasis as a Systemic Disease: What Is the Evidence?" *British Journal of Dermatology* 182(4):840–48.
- Kutwin, Magdalena, Monika Migdalska-Sęk, Ewa Brzezińska-Lasota, Piotr Zelga, and Anna Woźniacka. 2021. "An Analysis of Il-10, Il-17a, Il-17ra, Il-23a and Il-23r Expression and Their Correlation with Clinical Course in Patients with Psoriasis." *Journal of Clinical Medicine* 10(24):1–17.
- Lebwohl, Mark G., Arthur Kavanaugh, April W. Armstrong, and Abby S. Van Voorhees. 2016. "US Perspectives in the Management of Psoriasis and Psoriatic Arthritis: Patient and Physician Results from the Population-Based Multinational Assessment of Psoriasis and Psoriatic Arthritis (MAPP) Survey." *American Journal of Clinical Dermatology* 17(1):87–97.
- Lebwohl, Mark G., Emil A. Tangheiti, Linda Stein Gold, James Q. Del Rosso, Nelly K. Gilyadov, *et al.* 2021. "Fixed-Combination Halobetasol Propionate and Tazarotene in the Treatment of Psoriasis: Narrative Review of Mechanisms of Action and Therapeutic Benefits." *Dermatology and Therapy* 11(4):1157–74.
- Liang, Yun, Mrinal K. Sarkar, Lam C. Tsoi, and Johann E. Gudjonsson. 2017. "Psoriasis: A Mixed Autoimmune and Autoinflammatory Disease." *Current Opinion in Immunology* 49:1–8.
- Liao, Wilson, Rasnik Singh, Kristina Lee, Derya Ucmak, Merrick Brodsky, *et al.* 2016. "Erythrodermic Psoriasis: Pathophysiology and Current Treatment Perspectives." *Psoriasis: Targets and Therapy* Volume 6:93–104.
- Llewellyn A, Foey A. 2017. "Probiotic Modulation of Innate Cell Pathogen Sensing and Signaling Events." *Nutrients* 9(10):1156.
- Lunjani N, Ahearn-Ford S, Dube FS, Hlela C, O'Mahony L. Mechanism of microbe-immune system dialogue with the skin. *Genes & Immunity*. 2021; 22:276-88.

- Mabuchi, Tomotaka, and Noriaki Hirayama. 2016. "Binding Affinity and Interaction of LL-37 with HLA-C*06:02 in Psoriasis." *Journal of Investigative Dermatology* 136(9):1901–3.
- Mahil, Satveer K., Francesca Capon, and Jonathan N. Barker. 2016. "Update on Psoriasis Immunopathogenesis and Targeted Immunotherapy." *Seminars in Immunopathology* 38(1):11–27.
- Manchanda Y, De A, Das S, Chakraborty D. Diseases Assessment in Psoriasis. *Indian J Dermatol.* 2023;68(3):278-281.
- Mansouri, Bobbak, Katie Benjegerdes, Kimberly Hyde, and Dario Kivelevitch. 2016. "Pustular Psoriasis: Pathophysiology and Current Treatment Perspectives." *Psoriasis: Targets and Therapy* Volume 6:131–44.
- Martinez-Lopez M., Iborra S., Conde-Garroza R., *et al.* 2019. "Microbiota Sensing by Mincle-Syk Axis in Dendritic Cells Regulates Interleukin-17 and -22 Production and Promotes Intestinal Barrier Integrity." *Immunity* 50:446–61.
- Mazziotta, Chiara, Mauro Tognon, Fernanda Martini, Elena Torreggiani, and John Charles Rotondo. 2023. *Probiotics Mechanism of Action on Immune Cells and Beneficial Effects on Human Health.* Vol. 12.
- McCullough, Patrick J., William P. McCullough, Douglas Lehrer, Jeffrey B. Travers, and Steven J. Repas. 2021. "Oral and Topical Vitamin D, Sunshine, and UVB Phototherapy Safely Control Psoriasis in Patients with Normal Pretreatment Serum 25-Hydroxyvitamin D Concentrations: A Literature Review and Discussion of Health Implications." *Nutrients* 13(5).
- Melia, Sri, Salam N. Aritonang, Indri Juliyarsi, Yulianti Fitri Kurnia, Rusdimansyah, and Vira Oktavia Hernita. 2022. "The Screening of Probiotic Lactic Acid Bacteria from Honey of Stingless Bee from West Sumatra, Indonesia and Using as Starter Culture." *Biodiversitas* 23(12):6379–85.
- Meslamani, Lowlwa, Badriya Al Lenjaw, Shawkia Al Majid, and Hashim Mohamed. 2019. "Palmoplantar Psoriasis Successfully Treated with Raw Natural Honey: A Case Report." *Dermatology – Open Journal* 4(1):1–6.
- Micali, Giuseppe, Anna Elisa Verzì, Giorgia Giuffrida, Enrico Panebianco, Maria Letizia Musumeci, *et al.* 2020. "Inverse Psoriasis: From Diagnosis to Current Treatment Options." *Clinical, Cosmetic and Investigational Dermatology* Volume 12:953–59.
- Mori, Hiroki, Kojo Arita, Takayuki Yamaguchi, Midori Hirai, and Yoichi Kurebayashi. 2016. "Effects of Topical Application of Betamethasone on Imiquimod-Induced Psoriasis-like Skin Inflammation in Mice." *Kobe Journal of Medical Sciences* 62(4):E79–88.
- Mosca, Megan, Julie Hong, Edward Haderl, Marwa Hakimi, Wilson Liao, *et al.* 2021. "The Role of IL-17 Cytokines in Psoriasis." *ImmunoTargets and Therapy* 10(November):409–18.
- Mushtaq, Sabha, and Rashmi Sarkar. 2020. "Sulfasalazine in Dermatology: A Lesser

Explored Drug with Broad Therapeutic Potential.” *International Journal of Women’s Dermatology* 6(3):191–98.

Nair PA, Badri T. 2022. *Psoriasis*. StatPearls Publishing.

Navarini, A, Burden, F. Capon, U. Mrowietz, L. Puig, S. Köks, *et al.* 2017. “European Consensus Statement on Phenotypes of Pustular Psoriasis.” *Journal of the European Academy of Dermatology and Venereology* 31(11):1792–99.

Navarro-Lopez, V Martinez-Andres A, Ramirez-Bosca A, Ruzafa-Costas B, Nunez-Delegido E, Carrion-Gutierrez MA *et al.* Efficacy and Safety of Oral Administration of a Mixture of Probiotic Strains in Patients with Psoriasis: a Randomized Controlled Clinical Trial. *Acta Derm Venereol.* 2019;99.

O'Connor R, Anderton SM. Inflammation-associated genes: risks and benefits to FOXP3 regulatory T-cell function. *Immunology.* 2015;146:194-205.

Ogdie, Alexis, Ryan W. Harrison, Robert R. McLean, Tin chi Lin, Mark Lebwohl, *et al.* 2022. “Prospective Cohort Study of Psoriatic Arthritis Risk in Patients with Psoriasis in a Real-World Psoriasis Registry.” *Journal of the American Academy of Dermatology* 87(6):1303–11.

Oostveen, A. M., M. J. Van Geel, and M. M. B. Seyger. 2016. “Psoriasis in Children.” *Nederlands Tijdschrift Voor Dermatologie En Venereologie* 24(10):647–48.

Parisi, Rosa, Ireny Y. K. Iskandar, Evangelos Kontopantelis, Matthias Augustin, Christopher E. M. Griffiths, and Darren M. Ashcroft. 2020. “National, Regional, and Worldwide Epidemiology of Psoriasis: Systematic Analysis and Modelling Study.” *BMJ* m1590.

Parisi, Rosa, Deborah P. M. Symmons, Christopher E. M. Griffiths, and Darren M. Ashcroft. 2020. “Global Epidemiology of Psoriasis: A Systematic Review of Incidence and Prevalence.” *Journal of Investigative Dermatology* 133(2):377–85.

Paveljse D, Ivicak-Kocjan K, Treven P, Bencina M, Jerala R, Rogelj I. Distinctive probiotic features share common TLR-2 dependent signalling in intestinal epithelial cells. *Cell Microbiol.* 2021;23(1)e13264.

PERDOSKI. 2017. *Panduan Praktik Klinis Bagi Dokter Spesialis Kulit Dan Kelamin Di Indonesia*. Jakarta: PP PERDOSKI.

Peters Rita, Agnes Shanley, Susan Haigney, Adeline Siew, Jennifer Markarian, Feliza Mirasol, *et al.* 2018. *Advancing Development and Manufacturing Pharmaceutical Technology*. Publishing in Pharmaceutical Technology : 32-36p.

Prakoewa, C. R. S., N. Herwanto, R. Prameswari, L. Astari, S. Sawitri, A. N. Hidayati, *et al.* 2017. “*Lactobacillus Plantarum* IS-10506 Supplementation Reduced SCORAD in Children with Atopic Dermatitis.” *Beneficial Microbes* 8(5):833–40.

Prete R, Garcia-Gonzales N, Mattia CD, Corsetti A, Battista N. Food-borne *Lactiplantibacillus plantarum* protect normal intestinal cells against inflammation

- by modulating reactive oxygen species and IL-23/IL-17 axis. *Scientific reports*. 2020; (10):16340:1-11.
- Puebla-Barragan, Scarlett, and Gregor Reid. 2021. "Probiotics in Cosmetic and Personal Care Products: Trends and Challenges." *Molecules* 26(5):1–11.
- Puspitasari, Winda Dwi, Ratih Ayu Felista, and Damai Santosa. 2022. "Hiperkalemia Yang Disebabkan Oleh Siklosporin Pada Pasien Myelodysplastic Syndrome (MDS)." *Medica Hospitalia : Journal of Clinical Medicine* 9(1):93–98.
- Raposo, Inês, and Tiago Torres. 2016. "Palmoplantar Psoriasis and Palmoplantar Pustulosis: Current Treatment and Future Prospects." *American Journal of Clinical Dermatology* 17(4):349–58.
- Rather, Irfan A., Vivek K. Bajpai, Yun Suk Huh, Young-Kyu Han, Eijaz A. Bhat, *et al.* 2018. "Probiotic *Lactobacillus*—Sakei ProBio-65 Extract Ameliorates the Severity of Imiquimod Induced Psoriasis-Like Skin Inflammation in a Mouse Model." *Frontiers in Microbiology* 9.
- Raychaudhuri, Smriti K., Emanuel Maverakis, and Siba P. Raychaudhuri. 2016. "Diagnosis and Classification of Psoriasis." *Autoimmunity Reviews* 13(4–5):490–95.
- Reddy Kudamala, Ramesh, S. V Satyanarayana, and Jayasankar Reddy Veeram. 2019. "Clobetasol-Loaded Dermal Nanostructured Lipid Carriers for the Treatment of Imiquimod Induced Psoriasis in Mice." *Asian Journal of Pharmaceutics* 13(4):340.
- Reid, Gregor. 2016. "Probiotics: Definition, Scope and Mechanisms of Action." *Best Practice and Research: Clinical Gastroenterology* 30(1):17–25.
- Rendon, Adriana, and Knut Schäkel. 2019. "Psoriasis Pathogenesis and Treatment." *International Journal of Molecular Sciences* 20(6):1475.
- Roslund M, Puhakka R, Grönroos M, Nurminen N, Oikarinen S, Gazali A, *et al.* Biodiversity intervention enhances immune regulation and health-associated commensal microbiota among daycare children. *Sci Adv*. 2020;6: eaba2578.
- Salem, Iman, Amy Ramser, Nancy Isham, and Mahmoud A. Ghannoum. 2018. "The Gut Microbiome as a Major Regulator of the Gut-Skin Axis." *Frontiers in Microbiology* 9(JUL):1–14.
- Sanin De, Prendergast CT, Mountford AP. IL-10 production in macrophages is regulated by a TLR-driven CREB-mediated mechanism that is linked to genes involved in cell metabolism. *J Immunol*. 2015;195(3):1218-32.
- Sarkar, Rashmi, Shikha Chugh, and Shivani Bansal. 2016. "General Measures and Quality of Life Issues in Psoriasis." *Indian Dermatology Online Journal* 7(6):481.
- Sarma, Nilendu. 2017. "Evidence and Suggested Therapeutic Approach in Psoriasis of Difficult-to-Treat Areas: Palmoplantar Psoriasis, Nail Psoriasis, Scalp Psoriasis, and Intertriginous Psoriasis." *Indian Journal of Dermatology*

62(2):113.

- Savino, Francesco, Maria Garro, Paola Montanari, Ilaria Galliano, and Massimiliano Bergallo. 2018. "Crying Time and ROR γ /FOXP3 Expression in *Lactobacillus Reuteri* DSM17938-Treated Infants with Colic: A Randomized Trial." *Journal of Pediatrics* 192:171-177.e1.
- Shi, Lye Huey, Kunasundari Balakrishnan, Kokila Thiagarajah, Nor Ismaliza Mohd Ismail, and Ooi Shao Yin. 2016. "Beneficial Properties of Probiotics." *Tropical Life Sciences Research* 27(2):73-90.
- Simpson, M. J., C. Chow, H. Morgenstern, T. A. Luger, and C. N. Ellis. 2015. "Comparison of Three Methods for Measuring Psoriasis Severity in Clinical Studies (Part 2 of 2): Use of Quality of Life to Assess Construct Validity of the Lattice System Physician's Global Assessment, Psoriasis Area and Severity Index and Static Physician." *Journal of the European Academy of Dermatology and Venereology* 29(7):1415-20.
- Singh, Rasnik K., Kristina M. Lee, Margareth V. Jose, Mio Nakamura, Derya Ucmak, et al. 2016. "The Patient's Guide to Psoriasis Treatment. Part 1: UVB Phototherapy." *Dermatology and Therapy* 6(3):307-13.
- Singh, Tej Pratap, Howard H. Zhang, Samuel T. Hwang, and Joshua M. Farber. 2019. "IL-23- and Imiquimod-Induced Models of Experimental Psoriasis in Mice." *Current Protocols in Immunology* 125(1):1-15.
- Smith, Mary Patricia, Karen Ly, Quinn Thibodeaux, Tina Bhutani, Wilson Liao, et al. 2019. "Acrodermatitis Continua of Hallopeau: Clinical Perspectives." *Psoriasis: Targets and Therapy* Volume 9:65-72.
- Sodré, Monaliza Teresa Campos, Fernanda Avelino Ferraz, Amanda Karoline Vieira Alencar, Karinny Farias Silva, et al. 2023. "The Potential of Lactiplantibacillus Plantarum ATCC 14917 in the Development of Alginate-Based Gel Formulations with Anti-Staphylococcus Aureus Properties." *Pharmaceuticals* 16(8).
- Stavropoulou, Elisavet, and Eugenia Bezirtzoglou. 2020. "Probiotics in Medicine: A Long Debate." *Frontiers in Immunology* 11.
- Syngai, Gareth Gordon, Ragupathi Gopi, Rupjyoti Bharali, Sudip Dey, G. M. Alagu Lakshmanan, et al. 2016. "Probiotics - the Versatile Functional Food Ingredients." *Journal of Food Science and Technology* 53(2):921-33.
- Takeshita, Junko, Sungat Grewal, Sinéad M. Langan, Nehal N. Mehta, Alexis Ogdie, et al. 2017. "Psoriasis and Comorbid Diseases." *Journal of the American Academy of Dermatology* 76(3):377-90.
- Thappa, DM, and M. Malathi. 2017. "Topical Therapy of Psoriasis: Where Do We Stand?" *Journal of Postgraduate Medicine* 63(4):210.
- Torsekar, R., and Manjyot M Gautam. 2017. "Topical Therapies in Psoriasis." *Indian Dermatology Online Journal* 8(4):235.
- Trzaskowska, Monika. 2022. "Nondairy probiotic products : Functional Food that

Require More Attention” *Nutrients*, 14, 753.

Tsoi, Lam C., Philip E. Stuart, Chao Tian, Johann E. Gudjonsson, Sayantan Das, *et al.* 2017. “Large Scale Meta-Analysis Characterizes Genetic Architecture for Common Psoriasis Associated Variants.” *Nature Communications* 8(1):15382.

Umborowati EA, Syamsuri A, EndaryantoA, Surono IS, Thio HB, Prakoeswa CRS. Correlation between disease severity and quality of life index in psoriasis patients treated with *Lactobacillus plantarum*-10506. *Int J of Health Sci.*2022;2433-43.

Varma, S.; Sivaprakasam, T.; Mishra, A.; Prabhu, S. Imiquimod-induced psoriasis-like inflammation in differentiated Human keratinocytes: Its evaluation using curcumin. *Eur. J. Pharmacol.* 2017, 813, 33–41.

Vieyra-Garcia, Pablo A., and Peter Wolf. 2021. “A Deep Dive into UV-Based Phototherapy: Mechanisms of Action and Emerging Molecular Targets in Inflammation and Cancer.” *Pharmacology & Therapeutics* 222:107784.

Von Stebut, Esther, Wolf Henning Boehncke, Kamran Ghoreschi, Tommaso Gori, Ziya Kaya, *et al.* 2020. “IL-17A in Psoriasis and Beyond: Cardiovascular and Metabolic Implications.” *Frontiers in Immunology* 10(January):1–15.

World Health Organization (WHO). 2016. “Global Report on Psoriasis, 2016.” diunduh dari <https://www.who.int/publications/i/item/9789241565189/> 25 Maret 2023.

Withers, David R., and Matthew R. Hepworth. 2017. “Group 3 Innate Lymphoid Cells: Communications Hubs of the Intestinal Immune System.” *Frontiers in Immunology* 8(OCT).

Wu, Jashin J., Corey Pelletier, Brian Ung, and Marc Tian. 2019. “Real-World Treatment Patterns and Healthcare Costs among Biologic-Naive Patients Initiating Apremilast or Biologics for the Treatment of Psoriasis.” *Journal of Medical Economics* 22(4):365–71.

Xiao, Xianjun, Xiaoshen Hu, Junpeng Yao, Wei Cao, Zihao Zou, *et al.* 2023. “The Role of Short-Chain Fatty Acids in Inflammatory Skin Diseases.” *Frontiers in Microbiology* 13(February):1–11.

Yan, Bing-Xi, Xue-Yan Chen, Li-Ran Ye, Jia-Qi Chen, Min Zheng, and Xiao-Yong Man. 2021. “Cutaneous and Systemic Psoriasis: Classifications and Classification for the Distinction.” *Frontiers in Medicine* 8.

Zabotti, Alen, Orazio De Lucia, Garifallia Sakellariou, Alberto Batticciotto, Gilberto Cincinelli, *et al.* 2021. “Predictors, Risk Factors, and Incidence Rates of Psoriatic Arthritis Development in Psoriasis Patients: A Systematic Literature Review and Meta-Analysis.” *Rheumatology and Therapy* 8(4):1519–34.

Zákostelská, Zuzana, Jana Málková, Klára Klimešová, Pavel Rossmann, Michaela Hornová, *et al.* 2016. “Intestinal Microbiota Promotes Psoriasis-Like Skin Inflammation by Enhancing Th17 Response” edited by T. M. Oberyszyn. *PLOS ONE* 11(7):e0159539.

Zawistowska-Rojek, Anna, Tomasz Zaręba, and Stefan Tyski. 2022. “Microbiological Testing of Probiotic Preparations.” *International Journal of Environmental Research and Public Health* 19(9).

Zeng, Liuting, Ganpeng Yu, Yang Wu, Wensa Hao, and Hua Chen. 2021. “The Effectiveness and Safety of Probiotic Supplements for Psoriasis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials and Preclinical Trials” edited by D. Maria-Ferreira. *Journal of Immunology Research* 2021:1–14.

Zhang, Ping, and Mei X. Wu. 2018. “A Clinical Review of Phototherapy for Psoriasis.” *Lasers in Medical Science* 33(1):173–80.

Zito PM, Mazzoni T. 2022. *Acitretin*. StatPearls Publishing.

