

DAFTAR PUSTAKA

1. Malleswari K, Rama BramhaReddy D, Rajeswari K. Atopic dermatitis. *International Journal of Scientific Research in Engineering and Management*. 2024;8(02)245–262.
2. Global Report on Atopic Dermatitis 2022 [Internet]. Diakses 11 Juli 2025. Tersedia dari: www.atopicdermatitisatlas.org.
3. Tsai TF, Rajagopalan M, Chu CY, Encarnacion L, Gerber RA, Santos-Estrella P, et al. Burden of atopic dermatitis in Asia. *Journal of Dermatology*. 2019;46(10):825–834.
4. Soegiarto G, Abdullah MS, Damayanti LA, Suseno A, Effendi C. The prevalence of allergic diseases in school children of metropolitan city in Indonesia shows a similar pattern to that of developed countries. *Asia Pac Allergy*. 2019;9(2):1-10.
5. Langan SM, Irvine AD, Weidinger S. Atopic dermatitis. www.thelancet.com [Internet]. 2020. Diakses 11 Juli 2025. Tersedia dari: <http://www.homeforeczema.org/>
6. Douladiris N, Vakirlis E, Vassilopoulou E. Atopic Dermatitis and Water: Is There an Optimum Water Intake Level for Improving Atopic Skin? *Children*. Multidisciplinary Digital Publishing Institute (MDPI); 2023;10,273.
7. Gallay C, Meylan P, Mermoud S, Johannsen A, Lang C, Rivolta C, et al. Genetic predisposition and environmental factors associated with the development of atopic dermatitis in infancy: a prospective birth cohort study. *Eur J Pediatr*. 2020;179(9):1367–1377.
8. Li H, Zhang Z, Zhang H, Guo Y, Yao Z. Update on the Pathogenesis and Therapy of Atopic Dermatitis. *Clin Rev Allergy Immunol*. 2021;61(3):324–338.
9. Malik K, Heitmiller KD, Czarnowicki T. An Update on the Pathophysiology of Atopic Dermatitis. *Dermatol Clin*. 2017;35(3):317–326.
10. Rosso J Del, Zeichner J, Alexis A, Cohen D, Berson D. Understanding the Epidermal Barrier in Healthy and Compromised Skin: Clinically Relevant Information for the Dermatology Practitioner. *J Clin Aesthet Dermatol*. 2016;9.
11. Douladiris N, Vakirlis E, Vassilopoulou E. Atopic Dermatitis and Water: Is There an Optimum Water Intake Level for Improving Atopic Skin? *Children*. 2023;10(2).
12. Murota H, Yamaga K, Katayama I. Skin barrier function in atopic dermatitis. In: *Evolution of Atopic Dermatitis in the 21st Century*. Springer Singapore; 2018;144 :61–68.

13. Camilion J V, Khanna S, Anasseri S, Laney C, Mayrovitz HN. Physiological, Pathological, and Circadian Factors Impacting Skin Hydration. *Cureus*. 2022;14(8).
14. Thyssen JP, Rinnov MR, Vestergaard C. Disease mechanisms in atopic dermatitis: A review of aetiological factors. *Acta Dermato-Venereologica. Medical Journals/Acta D-V*; 2020;100:341–348.
15. Man M.-Q, Elias P.M. Stratum corneum hydration regulates key epidermal function and serves as an indicator and contributor to other conditions. *Journal of the European Academy of Dermatology and Venereology*. 2019;33(1):15–16.
16. Augustin M, Kirsten N, Körber A, Wilsmann-Theis D, Itschert G, Staubach-Renz P, et al. Prevalence, predictors and comorbidity of dry skin in the general population. *Journal of the European Academy of Dermatology and Venereology*. 2019;33(1):147–150.
17. Zainal H, Jamil A, Md Nor N, Tang MM. Skin pH mapping and its relationship with transepidermal water loss, hydration and disease severity in adult patients with atopic dermatitis. *Skin Research and Technology*. 2020;26(1):91–98.
18. Lotfollahi Z. The anatomy, physiology and function of all skin layers and the impact of ageing on the skin. *Wound Practice and Research. Cambridge Media*; 2024;32(1):6–10
19. Hofmann E, Schwarz A, Fink J, Kamolz LP, Kotzbeck P. Modelling the Complexity of Human Skin In Vitro. *Biomedicines. MDPI*; 2023;11:794
20. Rajkumar J, Chandan N, Lio P, Shi V. The Skin Barrier and Moisturization: Function, Disruption, and Mechanisms of Repair. *Skin Pharmacol Physiol*. 2023;36(4):174–185.
21. Sagrafena I, Morin M, Paraskevopoulos G, Nilsson EJ, Hrdinová I, Kováčik A, et al. Structure and function of skin barrier lipids: Effects of hydration and natural moisturizers in vitro. *Biophys J*. 2024;123(22):3951–3963.
22. Schleusener J, Salazar A, Hagen J von, Lademann J, Darvin ME. Retaining skin barrier function properties of the stratum corneum with components of the natural moisturizing factor—a randomized, placebo-controlled double-blind in vivo study. *Molecules*. 2021;26(6).
23. Zanna N. Defeating dry skin: treatments, topical ingredients and the role of nutrition. *Journal of Aesthetic Nursing*. 2016;4(10):478–85.
24. Ding X, Hernandez-Serrano AI, Young JJ, Pickwell-MacPherson E. Variation of skin hydration profile with biophysical factors and lifestyle revealed by in vivo terahertz sensing. *Biomed Opt Express*. 2024;15(9):5180.

25. Amalia RS, Rahmayunita G, Yusharyahya N, Sunardi D. Asupan Cairan dan Kelembapan Kulit. *Jurnal Kedokteran Indonesia*. 2022;7.
26. Butarbutar MET, Chaerunisaa AY. Peran Pelembab dalam Mengatasi Kondisi Kulit Kering. *Majalah Farmasetika*. 2020;6(1).
27. Gidado IM, Qassem M, Triantis IF, Kyriacou PA. Review of Advances in the Measurement of Skin Hydration Based on Sensing of Optical and Electrical Tissue Properties. *Sensors*. MDPI; 2022.
28. Aisyah I, Zulkarnain I. Profil Nilai pH dan Transepidermal Water Loss (TEWL) Pada Pasien Dermatitis Atopik Anak. 2019. Report.
29. Widiawaty A, Sukasihati, Ayda KP, Nasution SA. Skin Moisture Profile of Normal Skin and Inflammatory Skin Disease Using Skin Analyzer. In: 4th Riau Medical Scientific and Expo. *Galaxy Science*; 2022.
30. Westermann TVA, Viana VR, Berto Junior C, Detoni da Silva CB, Carvalho ELS, Pupe CG. Measurement of skin hydration with a portable device (SkinUp® Beauty Device) and comparison with the Corneometer®. *Skin Research and Technology*. 2020;26(4):571–576.
31. Criado PR, Miot HA, Bueno-Filho R, Ianhez M, Criado RFJ, de Castro CCS. Update on the pathogenesis of atopic dermatitis. *An Bras Dermatol*. 2024.
32. Schuler CF, Billi AC, Maverakis E, Tsoi LC, Gudjonsson JE. Novel insights into atopic dermatitis. *Journal of Allergy and Clinical Immunology*. United States: Elsevier Inc.; 2023; :1145–1154.
33. Avena-Woods C, Pharm BS. Overview of Atopic Dermatitis [Internet]. 2017. Diakses 6 Juli 2025. Tersedia dari: www.ajmc.com
34. Effendi A, Silvia E, Nurmalasari Y, Lawren J. Hubungan antara Jenis Kelamin dengan Angka Kejadian Dermatitis Atopik di Poliklinik Kulit dan Kelamin Rumah Sakit Umum Daerah Dr. H. Abdul Moeloek Provinsi Lampung Tahun 2019. *Jurnal Medika Malahayati*. 2020;104.
35. Hadiqo N, Hadi S, Sanyoto DD, Savitri D, Rahmiati. Profil Pasien Dermatitis Atopik di Poliklinik Kulit dan Kelamin RSUD Ulin Banjarmasin Tahun 2019-2021. *Homeostasis*. 2023;6(3):735–746.
36. Earlia N, Elfa Wirdani Fitri, Bulqiah M, Tasrif AY. Pengaruh Fototerapi Terhadap Mikrobioma Kulit dan Keparahan Penyakit Pada Pasien Dermatitis Atopik. *J Med Sci*. 2024;5(1):34–42.
37. Napolitano M, Fabbrocini G, Martora F, Genco L, Noto M, Patruno C. Children atopic dermatitis: Diagnosis, mimics, overlaps, and therapeutic implication. *Dermatol Ther*. 2022;35(12).
38. Paternoster L, Standl M, Waage J, Baurecht H, Hotze M, Strachan DP, et al. Multi-ancestry genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. *Nat Genet*. 2015;47(12):1449–1456.

39. Gonçalves GM, Miot HA, Brianezi G. The pH of the main Brazilian commercial moisturizers and liquid soaps: Considerations on the repair of the skin barrier. *An Bras Dermatol*. 2017;92(5):736–738.
40. Torres T, Ferreira EO, Gonçalo M, Mendes-Bastos P, Selores M, Filipe P. Update on atopic dermatitis. *Acta Med Port*. 2019;32(9):606–613.
41. Kapur S, Watson W, Carr S. Atopic dermatitis. *Allergy, Asthma and Clinical Immunology*. 2018;14.
42. Mollanazar NK, Smith PK, Yosipovitch G. Mediators of Chronic Pruritus in Atopic Dermatitis: Getting the Itch Out? *Clinical Reviews in Allergy and Immunology*. Humana Press Inc.; 2016:263–292.
43. Evina B. Clinical Manifestations and Diagnostic Criteria of Atopic Dermatitis. *J Majority*. 2015;4:23.
44. Katsarou A, Armenaka MC, Zafiriou E, Vakirlis E. Atopic Dermatitis in the Aged. In: *Textbook of Aging Skin [Internet]*. Berlin, Heidelberg: Springer Berlin Heidelberg; 2017. p. 971–989. Available from: http://link.springer.com/10.1007/978-3-662-47398-6_62
45. Gooderham MJ, Bissonnette R, Grewal P, Lansang P, Papp KA, Hong CH. Approach to the assessment and management of adult patients with atopic dermatitis: A consensus document. Section II: Tools for assessing the severity of atopic dermatitis. *J Cutan Med Surg*. 2018;22:10S-16S.
46. Djuanda A. Ilmu Penyakit Kulit dan Kelamin [Internet]. 7th ed. Menaldi SLS, editor. Fakultas Kedokteran Universitas Indonesia; 2016:167. Diakses 10 Agustus 2025. Tersedia dari: www.bpfkui.com
47. Kelompok Studi Dermatologi Anak Indonesia (KSDAI), Kelompok Studi Immunodermatologi dan Dermatoses Akibat Kerja (KSIDAK), Unit Kelompok Kerja Alergi Immunologi (IDAI). Panduan diagnosis dan tata laksana dermatitis atopik pada anak dan dewasa di Indonesia, Edisi 2024. Jakarta: Centra Communications; 2024.
48. Dizon MP, Yu AM, Singh RK, Wan J, Chren MM, Flohr C, et al. Systematic review of atopic dermatitis disease definition in studies using routinely collected health data. *British Journal of Dermatology*. Blackwell Publishing Ltd; 2018:1280–1287.
49. Celiksoy M, Topal E, Demir O. Age related risk factors associated with severity of atopic dermatitis in children. *Ann Med Res*. 2019;26(2):165.
50. Yosipovitch G, Berger T, Fassett MS. Neuroimmune interactions in chronic itch of atopic dermatitis. *Journal of the European Academy of Dermatology and Venereology*. Blackwell Publishing Ltd; 2020:239–250.
51. Artaria MD. Dasar Biologis Variasi Jenis Kelamin, Gender, dan Orientasi Seksual hal. BioKultur. 2016. Report.

52. Weninggalih E, Kartasasmita CB, Setiabudiawan B, Ilmu B, Anak K, Kedokteran F, et al. Hubungan Antara Atopi Dengan Riwayat Penyakit Alergi Dalam Keluarga Dan Manifestasi Penyakit Alergi Pada Balita. 2017.
53. Kusumawati D, Rosita Sigit Prakoeswa C. Profil Kadar Interleukin-31 Serum pada Pasien Dermatitis Atopik Berkala Ilmu Kesehatan Kulit Kelamin. 2017;29(2):142-151.
54. Kanda N, Hoashi T, Saeki H. The roles of sex hormones in the course of atopic dermatitis. *Int J Mol Sci.* 2019;20(19).
55. Natasya Artha Putri, Mia Yasmina Andrarini, Lisa Adhia Garina. Karakteristik Klinis Dermatitis Atopik di RS Muhammadiyah Bandung Tahun 2020-2022. *Jurnal Riset Kedokteran.* 2024;4(1):31–38.
56. Widiawaty A, Indriatmi W, Jatmiko W, Novianto E. Profil Demografi dan Klinis Pasien Dermatitis Atopik Studi Deskriptif di Indonesia. *Jurnal Ilmu Kedokteran.* 2025;163–170.
57. De Martinis M, Sirufo MM, Suppa M, Di Silvestre D, Ginaldi L. Sex and gender aspects for patient stratification in allergy prevention and treatment. *International Journal of Molecular Sciences.* MDPI AG; 2020.
58. F. Pereira C, R. Ferreira F. Atopic Dermatitis: Epidemiological Profile and Associated Allergic Conditions - Data from a Referral Service in Southeastern Brazil. *Journal of the Portuguese Society of Dermatology and Venereology.* 2021;79(4):339–343.
59. Hidajat D. Studi Retrospektif Pasien Dermatitis Atopik Selama 5 Tahun di Poliklinik Rawat Jalan Kulit dan Kelamin Rumah Sakit Umum Daerah Provinsi Nusa Tenggara Barat. *Unram Medical Journal.* 2023;12(4):366–370.
60. Das RR, Ramakrishna G, Gulla KM, Kumar K. Allergy/Atopic March and United Airway Disease: What We Know and What We Need to Know? *Journal of Pediatric Pulmonology.* 2024;3(1):16–22.
61. Septioni Bangun S, Andina AF, Yuniarno S. Dermatitis Atopik (DA) dan faktor-faktor yang berpengaruh di Desa Panusupan, Kecamatan Cilongok, Kabupaten Banyumas. *Tropical Public Health Journal.* 2025;5(1).
62. Kim J, Kim BE, Leung DYM. Pathophysiology of atopic dermatitis: Clinical implications. In: *Allergy and Asthma Proceedings.* OceanSide Publications Inc.; 2019:84–92.
63. Chiesa Fuxench ZC. Atopic Dermatitis: Disease Background and Risk Factors. *Advances in experimental medicine and biology.* 2017. p. 11–19.
64. Soewito Sutanto S, Gusti Putu Raka Ariani N, Author C. Atopic Dermatitis: A Review on Diagnosis and Management. *International Journal of Research and Review (ijrrjournal.com).* 2020;7(6):113.

65. Al-Adawiyah R, Putera AM, Astari L, Ariyanto FC. Determinant factors of recurrence atopic dermatitis symptoms in children: A cross-sectional study. *Annals of Medicine and Surgery*. 2021;70.
66. Kwon BY, Kim D, Shim K, Nguyen C, Lee HC, Kang D, et al. Area-Specific Assessment of Stratum Corneum Hydration and Transepidermal Water Loss in Pediatric Patients With Atopic Dermatitis. *Dermatol Res Pract*. 2025;2025(1).
67. Chairani L, Ayu Saraswati N, Hastuti R, Dwi Vayari T. Hubungan Derajat Keparahan Dermatitis Atopik pada Bayi dan Anak dengan Kualitas Hidup Keluarga. *Syifa' MEDIKA*. 2020;11(1).
68. Wrona J, Kaźmierczyk A, Kęsik J, Madycka D, Michta K, Słaboń M, et al. Atopic dermatitis - the review. *Quality in Sport*. 2025;37:56851.
69. Kelbore AG, Enbiale W, van Wyk JM, Mosam A. Atopic dermatitis in Ethiopian children: a multicenter study of clinical severity, characteristics, and sociodemographic factors. *Front Med (Lausanne)*. 2024;11.
70. Batbileg L, Baasanjav S, Tulгаа K, Byambasukh O, Naymdavaa K, Yadamsuren E, et al. Skin Physiological Parameters and Their Association with Severe Atopic Dermatitis in Mongolian Children. *J Clin Med*. 2025;14(1).
71. Sreekantaswamy S, Meyer J, Grinich E, Leshem Y, Simpson E, Abuabara K. Utility of transepidermal water loss-stratum corneum hydration ratio in atopic dermatitis. *Skin Research and Technology*. 2024;30.
72. Hoyer A, Rehbinder EM, Färdig M, Asad S, Lødrup Carlsen KC, Endre KMA, et al. Filaggrin mutations in relation to skin barrier and atopic dermatitis in early infancy. *British Journal of Dermatology*. 2022;186(3):544–552.