

## DAFTAR PUSTAKA

- Afshari, M., Kolackova, M., Rosecka, M., Čelakovská, J., & Krejsek, J. (2024). Unraveling the skin; a comprehensive review of atopic dermatitis, current understanding, and approaches. *Frontiers in Immunology*, 15. <https://doi.org/10.3389/fimmu.2024.1361005>
- Anuradhabr, H., Vijayanbr, K., & Manjula, C. (2013). A novel and efficient protocol for the isolation of genomic DNA from mulberry (*Morus L.*). *Emirates Journal of Food and Agriculture*, 25(2), 124. <https://doi.org/10.9755/ejfa.v25i2.11660>
- Armengot-Carbo, M., Hernández-Martín, Á., & Torrelo, A. (2015). The Role of Filaggrin in the Skin Barrier and Disease Development. *Actas Dermo-Sifiliográficas (English Edition)*, 106(2), 86–95. <https://doi.org/10.1016/j.adengl.2014.12.007>
- Bin, L., & Leung, D. Y. M. (2016). Genetic and epigenetic studies of atopic dermatitis. *Allergy, Asthma & Clinical Immunology*, 12(1). <https://doi.org/10.1186/s13223-016-0158-5>
- Brookes, A. J. (1999). The essence of SNPs. *Gene*, 234(2), 177–186. [https://doi.org/10.1016/s0378-1119\(99\)00219-x](https://doi.org/10.1016/s0378-1119(99)00219-x)
- Chan, L. N., Magyari, A., Ye, M., Al-Alusi, N. A., Langan, S. M., Margolis, D., McCulloch, C. E., & Abuabara, K. (2021). The epidemiology of atopic dermatitis in older adults: A population-based study in the United Kingdom. *PLOS ONE*, 16(10), e0258219. <https://doi.org/10.1371/journal.pone.0258219>
- Chang, Y. S., & Chiang, B. L. (2018). Sleep disorders and atopic dermatitis: A 2-way street? *Journal of Allergy and Clinical Immunology*, 142(4), 1033–1040. <https://doi.org/10.1016/j.jaci.2018.08.005>
- Chawla, H., Kosta, S., Namdeo, C., Kataria, R., Bhatia, K., Sahu, R., & Joshi, P. (2023). Genotype study of filaggrin gene loss-of-function mutations in central India population with atopic dermatitis and ichthyosis vulgaris. *Indian Dermatology Online Journal*, 14(5), 611. [https://doi.org/10.4103/idoj.idoj\\_636\\_22](https://doi.org/10.4103/idoj.idoj_636_22)
- Cheng, R., Li, M., Zhang, H., & Yao, Z. (2014). Filaggrin Gene Mutations in Asian Races. *Filaggrin*, 129–135. [https://doi.org/10.1007/978-3-642-54379-1\\_13](https://doi.org/10.1007/978-3-642-54379-1_13)
- Cho, S., Kim, H. J., Oh, S. H., Park, C. O., Jung, J. Y., & Lee, K. H. (2010). The Influence of Pregnancy and Menstruation on the Deterioration of Atopic Dermatitis Symptoms. *Annals of Dermatology*, 22(2), 180. <https://doi.org/10.5021/ad.2010.22.2.180>
- Cook, E. C. L., Redondo-Urzainqui, A., & Iborra, S. (2022). Obesity can turn a therapy into an antitherapy in atopic dermatitis. *Allergy*, 77(11), 3473–3475. <https://doi.org/10.1111/all.15482>
- Del Rosso, J., Zeichner, J., Alexis, A., Cohen, D., & Berson, D. (2016). Understanding the Epidermal Barrier in Healthy and Compromised Skin: Clinically Relevant Information for the Dermatology Practitioner. *The Journal Of Clinical And Aesthetic Dermatology*, 9(4), 52–58.

- Deng, N., Zhou, H., Fan, H., & Yuan, Y. (2017). Single nucleotide polymorphisms and cancer susceptibility. *Oncotarget*, 8(66), 110635–110649. <https://doi.org/10.18632/oncotarget.22372>
- Djuanda, A., Hamzah, M., & Aisah, S. (Eds.). (2010). *Ilmu Penyakit Kulit dan Kelamin* (6th ed.). Fakultas Kedokteran, Universitas Indonesia.
- Durdiaková, J., Kamodyová, N., Ostatníková, D., Vlčková, B., & Celec, P. (2012). Comparison of different collection procedures and two methods for DNA isolation from saliva. *Clinical Chemistry and Laboratory Medicine*, 50(4). <https://doi.org/10.1515/cclm.2011.814>
- Dvornyk, V., Ponomarenko, I., Belyaeva, T., Reshetnikov, E., & Churnosov, M. (2021). Filaggrin gene polymorphisms are associated with atopic dermatitis in women but not in men in the Caucasian population of Central Russia. *PLOS ONE*, 16(12), e0261026. <https://doi.org/10.1371/journal.pone.0261026>
- Ezzamouri, B., Palys, T. J., Jackson, B. P., Coto, S. D., Madan, J. C., Flohr, C., Karagas, M. R., & Peacock, J. L. (2022). Water hardness and atopic dermatitis in the first year of life in the New Hampshire Birth Cohort Study. *Clinical & Experimental Allergy*, 53(3), 362–366. <https://doi.org/10.1111/cea.14272>
- Ferrucci, S., Angileri, L., Tavecchio, S., Fumagalli, S., Iurlo, A., Cattaneo, D., Marzano, A. V., & Maronese, C. A. (2022). Elevation of peripheral blood eosinophils during dupilumab treatment for atopic dermatitis is associated with baseline comorbidities and development of facial redness dermatitis and ocular surface disease. *Journal of Dermatological Treatment*, 33(5), 2587–2592. <https://doi.org/10.1080/09546634.2022.2049588>
- Gallay, C., Meylan, P., Mermoud, S., Johannsen, A., Lang, C., Rivolta, C., & Christen-Zaech, S. (2020). Genetic predisposition and environmental factors associated with the development of atopic dermatitis in infancy: a prospective birth cohort study. *European Journal of Pediatrics*, 179(9), 1367–1377. <https://doi.org/10.1007/s00431-020-03616-5>
- Gariyban, L., & Avashia, N. (2013). Polymerase Chain Reaction. *Journal of Investigative Dermatology*, 133(3), 1–4. <https://doi.org/10.1038/jid.2013.1>
- Goldsmith, L., Katz, S., Gilchrist, B., Paller, A., Leffell, D., & Wolff, K. (2012). *Fitzpatrick's Dermatology in General Medicine, Eighth Edition, 2 Volume set*. McGraw Hill Professional.
- Gupta, N. (2019). DNA extraction and polymerase chain reaction. *Journal of Cytology*, 36(2), 116. [https://doi.org/10.4103/joc.joc\\_110\\_18](https://doi.org/10.4103/joc.joc_110_18)
- Hassani, B., Isaian, A., Shariat, M., Mollanoori, H., Sotoudeh, S., Babaei, V., Ziaali, A., & Teimourian, S. (2018). Filaggrin gene polymorphisms in Iranian ichthyosis vulgaris and atopic dermatitis patients. *International Journal of Dermatology*, 57(12), 1485–1491. <https://doi.org/10.1111/ijd.14213>
- Herawati, E., Setyawan, V. A., & Listyawati, S. (2023). Peptida Kolagen Ikan Layang Biru (*Decapterus macarellus*) Mempercepat Penyembuhan Luka Pada Mencit. *Journal of Pharmaceutical Science and Clinical Research*, 8(2), 278. <https://doi.org/10.20961/jpscr.v8i2.74260>

- High, W., Del Rosso, J. Q., & Levin, J. (2013). Skin Structure And Function : Translation of Research to Patient Care. *J Clin Aesthet Dermatol*, 6(11), 20–27.
- Imoto, Y., Enomoto, H., Fujieda, S., Okamoto, M., Sakashita, M., Susuki, D., Okada, M., Hirota, T., Tamari, M., Ebe, K., Arinami, T., & Noguchi, E. (2010). S2554X mutation in the filaggrin gene is associated with allergen sensitization in the Japanese population. *Journal of Allergy and Clinical Immunology*, 125(2), 498-500.e2. <https://doi.org/10.1016/j.jaci.2009.10.062>
- Karki, R., Pandya, D., Elston, R. C., & Ferlini, C. (2015). Defining “mutation” and “polymorphism” in the era of personal genomics. *BMC Medical Genomics*, 8(1). <https://doi.org/10.1186/s12920-015-0115-z>
- Kaur, S., Ali, A., Ahmad, U., Siahbalaei, Y., Pandey, A. K., & Singh, B. (2019). Role of single nucleotide polymorphisms (SNPs) in common migraine. *The Egyptian Journal of Neurology, Psychiatry and Neurosurgery*, 55(1). <https://doi.org/10.1186/s41983-019-0093-8>
- Kim, M., Yoo, J., Kim, J., Park, J., Han, E., Jang, W., Chae, H., Lee, J. H., Park, Y. M., & Kim, Y. (2017). Association of FLG single nucleotide variations with clinical phenotypes of atopic dermatitis. *PLOS ONE*, 12(12), e0190077. <https://doi.org/10.1371/journal.pone.0190077>
- Kim, J., Kim, B. E., & Leung, D. Y. M. (2019). Pathophysiology of atopic dermatitis: Clinical implications. *Allergy and Asthma Proceedings*, 40(2), 84–92. <https://doi.org/10.2500/aap.2019.40.4202>
- Kim, B. E., Kim, J., Goleva, E., Berdyshev, E., Lee, J., Vang, K. A., Lee, U. H., Han, S. Y., Leung, S., Hall, C. F., Kim, N. R., Bronova, I., Lee, E. J., Yang, H. R., Leung, D. Y., & Ahn, K. (2021). Particulate matter causes skin barrier dysfunction. *JCI Insight*, 6(5). <https://doi.org/10.1172/jci.insight.145185>
- Kosta, S., Chawla, H., Namdeo, C., Kataria, R., Bhatia, K., Sahu, R., & Joshi, P. (2023). Genotype study of filaggrin gene loss-of-function mutations in central India population with atopic dermatitis and ichthyosis vulgaris. *Indian Dermatology Online Journal*, 14(5), 611. [https://doi.org/10.4103/idoj.idoj\\_636\\_22](https://doi.org/10.4103/idoj.idoj_636_22)
- Krien, P. M., & Moyal, D. (1994). Sunscreens with broad-spectrum absorption decrease the trans to cis photoisomerization of urocanic acid in the human stratum corneum after multiple uv light exposures. *Photochemistry and Photobiology*, 60(3), 280–287. <https://doi.org/10.1111/j.1751-1097.1994.tb05105.x>
- Langan, S. M., Irvine, A. D., & Weidinger, S. (2020). Atopic dermatitis. *The Lancet*, 396(10247), 345–360. [https://doi.org/10.1016/s0140-6736\(20\)31286-1](https://doi.org/10.1016/s0140-6736(20)31286-1)
- Lee, P. Y., Costumbrado, J., Hsu, C. Y., & Kim, Y. H. (2012). Agarose Gel Electrophoresis for the Separation of DNA Fragments. *Journal of Visualized Experiments*, 62. <https://doi.org/10.3791/3923>
- Lorenz, T. C. (2012). Polymerase Chain Reaction: Basic Protocol Plus Troubleshooting and Optimization Strategies. *Journal of Visualized Experiments*, 63. <https://doi.org/10.3791/3998>

- Lübbe, J., Stucky, L., & Saurat, J. H. (2003). Rosaceiform Dermatitis with Follicular <i>Demodex</i> after Treatment of Facial Atopic Dermatitis with 1% Pimecrolimus Cream. *Dermatology*, 207(2), 205–207. <https://doi.org/10.1159/000071800>
- Lyons, J. J., Milner, J. D., & Stone, K. D. (2015). Atopic Dermatitis in Children. *Immunology and Allergy Clinics of North America*, 35(1), 161–183. <https://doi.org/10.1016/j.iac.2014.09.008>
- McGrath, J. A., & Uitto, J. (2016). Structure and Function of the Skin. In *Rook's Textbook of Dermatology* (9th ed., Vol. 1). Wiley Blackwell. <https://doi.org/10.1002/9781118441213.rtd0002>
- Mescher, A. L. (2013). *Junqueira's Basic Histology - Text and Atlas (13th Ed)*. New York McGraw-Hill Inc. [http://books.google.ie/books?id=YYycmAEACAAJ&dq=1259072320&hl=&cd=2&source=gsbs\\_api](http://books.google.ie/books?id=YYycmAEACAAJ&dq=1259072320&hl=&cd=2&source=gsbs_api)
- Möhrenschlager, M., Schäfer, T., Huss-Marp, J., Eberlein-König, B., Weidinger, S., Ring, J., Behrendt, H., & Krämer, U. (2005). The course of eczema in children aged 5-7 years and its relation to atopy: differences between boys and girls. *British Journal of Dermatology*, 154(3), 505–513. <https://doi.org/10.1111/j.1365-2133.2005.07042.x>
- Moosbrugger-Martinz, V., Leprince, C., Méchin, M. C., Simon, M., Blunder, S., Gruber, R., & Dubrac, S. (2022, May 10). Revisiting the Roles of Filaggrin in Atopic Dermatitis. *International Journal of Molecular Sciences*, 23(10), 5318. <https://doi.org/10.3390/ijms23105318>
- Nedoszytko, B., Reszka, E., Gutowska-Owsiak, D., Trzeciak, M., Lange, M., Jarczak, J., Niedoszytko, M., Jablonska, E., Romantowski, J., Strapagiel, D., Skokowski, J., Siekierzycka, A., Nowicki, R., Dobrucki, I., Zaryczńska, A., & Kalinowski, L. (2020). Genetic and Epigenetic Aspects of Atopic Dermatitis. *International Journal of Molecular Sciences*, 21(18), 6484. <https://doi.org/10.3390/ijms21186484>
- Nomura, T., Wu, J., Kabashima, K., & Guttman-Yassky, E. (2020). Endophenotypic Variations of Atopic Dermatitis by Age, Race, and Ethnicity. *The Journal of Allergy and Clinical Immunology: In Practice*, 8(6), 1840–1852. <https://doi.org/10.1016/j.jaip.2020.02.022>
- Osawa, R., Akiyama, M., & Shimizu, H. (2011). Filaggrin Gene Defects and the Risk of Developing Allergic Disorders. *Allergology International*, 60(1), 1–9. <https://doi.org/10.2332/allergolint.10-rai-0270>
- Ousmael, K., Whetten, R. W., Xu, J., Nielsen, U. B., Lamour, K., & Hansen, O. K. (2023). Identification and high-throughput genotyping of single nucleotide polymorphism markers in a non-model conifer (*Abies nordmanniana* (Steven) Spach). *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-49462-x>
- Pareek, A., Kumari, L., Pareek, A., Chaudhary, S., Ratan, Y., Janmeda, P., Chuturgoon, S., & Chuturgoon, A. (2024, February 28). *Unraveling Atopic Dermatitis: Insights into Pathophysiology, Therapeutic Advances, and Future Perspectives*. *Cells*. <https://doi.org/10.3390/cells13050425>
- Park, K. Y., Li, K., Seok, J., & Seo, S. J. (2016). An Analysis of the Filaggrin Gene Polymorphism in Korean Atopic Dermatitis Patients. *Journal of Korean Medical Science*, 31(7), 1136.

<https://doi.org/10.3346/jkms.2016.31.7.1136>

- Rajeshwari, K. A., Thomas, M. M., & Nagaraj, G. (2023). Filaggrin Gene Mutation in Pediatric Patients with Atopic Dermatitis: A Look into Indian Gene Pool, a Pilot Study. *Indian Journal of Dermatology*, 68(2), 135–150. [https://doi.org/10.4103/ijd.ijd\\_403\\_22](https://doi.org/10.4103/ijd.ijd_403_22)
- Ricci, G., Bellini, F., Dondi, A., Patrizi, A., & Pession, A. (2011). Atopic dermatitis in adolescence. *Dermatology Reports*, 4(1), e1. <https://doi.org/10.4081/dr.2012.e1>
- Rothenberg-Lausell, C., Bar, J., Del Duca, E., & Guttman-Yassky, E. (2024). Diversity of atopic dermatitis and selection of immune targets. *Annals of Allergy, Asthma & Immunology*, 132(2), 177–186. <https://doi.org/10.1016/j.anai.2023.11.020>
- Savva, M., Papadopoulos, N. G., Gregoriou, S., Katsarou, S., Papapostolou, N., Makris, M., & Xepapadaki, P. (2024). Recent Advancements in the Atopic Dermatitis Mechanism. *Frontiers in Bioscience-Landmark*, 29(2), 84. <https://doi.org/10.31083/j.fbl2902084>
- Smieszek, S. P., Welsh, S., Xiao, C., Wang, J., Polymeropoulos, C., Birznieks, G., & Polymeropoulos, M. H. (2020). Correlation of age-of-onset of Atopic Dermatitis with Filaggrin loss-of-function variant status. *Scientific Reports*, 10(1). <https://doi.org/10.1038/s41598-020-59627-7>
- Subianto, M., Earlia, N., Niode, N. J., & Idroes, R. (2023). Evaluation of Gradient Boosted Classifier in Atopic Dermatitis Severity Score Classification. *Heca Journal of Applied Sciences*, 1(2), 54–61. <https://doi.org/10.60084/hjas.v1i2.85>
- Suhendra, R., Suryadi, S., Husdayanti, N., Maulana, A., Novianidy, T. R., Sasmita, N. R., Subianto, M., Earlia, N., Niode, N. J., & Idroes, R. (2023). Evaluation of Gradient Boosted Classifier in Atopic Dermatitis Severity Score Classification. *Heca Journal of Applied Sciences*, 1(2), 54–61. <https://doi.org/10.60084/hjas.v1i2.85>
- Syamsidi, A., Aanisah, N., Fiqam, R., & Jultri, I. A. (2021). Primer Design and Analysis for Detection of mecA gene. *Journal of Tropical Pharmacy and Chemistry*, 5(3), 245–253. <https://doi.org/10.25026/jtpc.v5i3.297>
- Tong, A. K. F., & Mimh, M. C. (1986). The Pathology of Atopic Dermatitis. *CLIN REV ALLERGY*, 4, 27–42.
- Vinnik, T., Kreinin, A., Abildinova, G., Batpenova, G., Kirby, M., & Pinhasov, A. (2020). Biological Sex and IgE Sensitization Influence Severity of Depression and Cortisol Levels in Atopic Dermatitis. *Dermatology*, 236(4), 336–344. <https://doi.org/10.1159/000504388>
- Virolainen, S. J., Satish, L., Biagini, J. M., Chaib, H., Chang, W. C., Dexheimer, P. J., Dixon, M. R., Dunn, K. A., Fletcher, D., Forney, C., Granitto, M., Hestand, M. S., Hurd, M., Kaufman, K., Lawson, L. P., Martin, L. J., Peña, L. D., Phelan, K. J., Shook, M. S., . . . Kottyan, L. C. (2024). Filaggrin loss-of-function variants are associated with atopic dermatitis phenotypes in a diverse, early life prospective cohort. *JCI Insight*. <https://doi.org/10.1172/jci.insight.178258>
- Wan, Wong, Longaker, Yang, & Wei. (2014). Moisturizing Different Racial Skin Types. *The Journal of Clinical Aesthetic Dermatology*, 7(6), 25–32.



- Weidinger, S., & Novak, N. (2016, March). Atopic dermatitis. *The Lancet*, 387(10023), 1109–1122. [https://doi.org/10.1016/s0140-6736\(15\)00149-x](https://doi.org/10.1016/s0140-6736(15)00149-x)
- Wittmeier, P., & Hummel, S. (2022). Agarose gel electrophoresis to assess PCR product yield: comparison with spectrophotometry, fluorometry and qPCR. *BioTechniques*, 72(4), 155–158. <https://doi.org/10.2144/btn-2021-0094>
- Yang, H. W., Wu, Y. F., Yang, S. Y., & Lin, K. I. (2023). The roles of epidermal Blimp-1 in atopic dermatitis. *the Journal of Immunology*, 210 <https://doi.org/10.4049/jimmunol.210.suppl.151.02>
- Yao, X., Song, Z. Q., Li, W., Liang, Y. S., Zhao, Y., Cao, H., Chen, T., Chen, X., Feng, A. P., Geng, S. M., Gu, H., Guo, S. P., He, Y. L., Kuang, Y. H., Li, C. Y., Li, X. H., Li, Z. X., Liang, J. Q., Liu, H. Y., . . . Zou, Y. (2021, January 19). Guidelines for Diagnosis and Treatment of Atopic Dermatitis in China (2020). *International Journal of Dermatology and Venereology*, 4(1), 1–9. <https://doi.org/10.1097/jd9.0000000000000143>
- Yousaf, M., Ayasse, M., Ahmed, A., Gwillim, E., Janmohamed, S., Yousaf, A., Patel, K., Thyssen, J., & Silverberg, J. (2021). Association between atopic dermatitis and hypertension: a systematic review and meta-analysis\*. *British Journal of Dermatology*, Supplement, 186(2), 227–235. <https://doi.org/10.1111/bjd.20661>
- Yu, L., & Li, L. (2022). Potential biomarkers of atopic dermatitis. *Frontiers in Medicine*, 9. <https://doi.org/10.3389/fmed.2022.1028694>
- Yusharyahya, S. N. (2021). Mekanisme Penuaan Kulit sebagai Dasar Pencegahan dan Pengobatan Kulit Menua. *eJurnal Kedokteran Indonesia*, 9(2), 150. <https://doi.org/10.23886/ejki.9.49.150>
- Ziaali, A., Sharifi, L., Teimourian, S., Hasani, B., Isaian, A., & Shariat, M. (2021). Clinical features of children with atopic dermatitis according to filaggrin gene variants. *Allergologia Et Immunopathologia*, 49(4), 162–166. <https://doi.org/10.15586/aei.v49i4.209>
- Zhong, W. L., Wu, X., Yu, B., Zhang, J., Zhang, W., Xu, N., Zhou, J., Zheng, J. C., Chen, X. F., & Dou, X. (2016). Filaggrin Gene Mutation c.3321delA is Associated with Dry Phenotypes of Atopic Dermatitis in the Chinese Han Population. *Chinese Medical Journal*, 129(12), 1498–1500. <https://doi.org/10.4103/0366-6999.183424>
- Zhong, Y., Huang, T., Li, X., Luo, P., & Zhang, B. (2024). GSDMD suppresses keratinocyte differentiation by inhibiting FLG expression and attenuating KCTD6-mediated HDAC1 degradation in atopic dermatitis. *PeerJ*, 12, e16768. <https://doi.org/10.7717/peerj.16768>
- Ziaali, A., Sharifi, L., Teimourian, S., Hasani, B., Isaian, A., & Shariat, M. (2021). Clinical features of children with atopic dermatitis according to filaggrin gene variants. *Allergologia Et Immunopathologia*, 49(4), 162–166. <https://doi.org/10.15586/aei.v49i4.209>