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DAFTAR PUSTAKA

Bergeron, C., & Hamid, Q. (n.d.). *Relationship between Asthma and Rhinitis: Epidemiologic, Pathophysiologic, and Therapeutic Aspects*.

Boursiquot, J.-N., Gagnon, R., Quirt, J., & Ellis, A. K. (2024). Allergen immunotherapy. Allergy Asthma and Clinical Immunology, 20(S3), 66–66. https://doi.org/10.1186/s13223-024-00935-2

Dai, L., Liu, J., Zhao, Q., Li, M., Zhou, Y., Chen, Z., & Zhang, Y. (2022). Investigation of Allergic Sensitizations in Children With Allergic Rhinitis and/or Asthma. Frontiers in Pediatrics, 10. https://doi.org/10.3389/fped.2022.842293

De Carli, M., Capezzali, E., Tonon, S., & Frossi, B. (2023). Mechanism and clinical evidence of immunotherapy in allergic rhinitis. Frontiers in Allergy, 4. https://doi.org/10.3389/falgy.2023.1217388

Endaryanto, A. (2019). *Pengaruh Dermatitis Atopik, Urtikaria dan Gangguan Saluran Cerna sebagai Komorbiditas dalam Perbaikan Klinis dan Kepuasan Orang Tua Pasien pada Anak Alergi dengan Gejala Saluran Nafas Tingkat Moderate-Persistent yang Mendapatkan Imunoterapi Alergen Debu Rumah*. https://e-journal.unair.ac.id/BIKK/article/download/12279/pdf/51959

Espada-Sánchez, M., Sáenz de Santa María, R., Martín-Astorga, M. del C., Lebrón-Martín, C., Delgado, M. J., Eguiluz-Gracia, I., Rondón, C., Mayorga, C., Torres, M. J., Aranda, C. J., & Cañas, J. A. (2023). Diagnosis and Treatment in Asthma and Allergic Rhinitis: Past, Present, and Future. In *Applied Sciences (Switzerland)* (Vol. 13, Issue 3). MDPI. https://doi.org/10.3390/app13031273

Fang, L., & Roth, M. (2021). Airway Wall Remodeling in Childhood Asthma—A Personalized Perspective from Cell Type-Specific Biology. Journal of Personalized Medicine, 11(11), 1229–1229. https://doi.org/10.3390/jpm11111229

Fang, Z., Fu, Y., Yi, F., Chen, Z., Li, Y., Wang, Z., Dong, J., Yang, P., Xu, D., Liu, X., & Xie, J. (2025). Neural control of the pathophysiology of allergic airway disease and its clinical implications: A focus on allergic rhinitis and asthma. Journal of Allergy and Clinical Immunology, 156(2), 259–269. https://doi.org/10.1016/j.jaci.2025.05.017

Goldin, J., Hashmi, M. F., & Cataletto, M. E. (2024). Asthma. StatPearls. StatPearls Publishing. Diakses dari NCBI Bookshelf: https://www.ncbi.nlm.nih.gov/books/NBK430901/

Goodarzi, E., Rashidi, K., Zare, Z., Momenabadi, V., & Khazaei, Z. (2022). The Burden of Asthma in Children Aged 0-14 Years in Asia: A Systematic Analysis for the Global Burden of Disease Study 2019. *The Journal of Pediatric Research*, *9*(2), 105–115. https://doi.org/10.4274/jpr.galenos.2021.29577

Håkansson, K. E. J., Cabrera Guerrero, S., Backer, V., Ulrik, C. S., & Rastogi, D. (2023). Burden and unmet need for specialist care in poorly controlled and

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GADJAH MADA
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severe childhood asthma in a Danish nationwide cohort. Respiratory Research, 24, 173. https://doi.org/10.1186/s12931-023-02482-7

Harding, A. T., & Heaton, N. S. (2022). The Impact of Estrogens and Their Receptors on Immunity and Inflammation during Infection. In *Cancers* (Vol. 14, Issue 4). MDPI. https://doi.org/10.3390/cancers14040909

Hesti Febriani Listyaningrum1*, P. S. P. V. (2023). Hubungan Obesitas dengan Kejadian Rinitis Alergi pada Siswa SMP di Surakarta Berdasarkan Kuesioner ISAAC. *MSHMJ*.

Hough, K. P., Curtiss, M. L., Blain, T. J., Liu, R.-M., Trevor, J., Deshane, J. S., & Thannickal, V. J. (2020). Airway Remodeling in Asthma. Frontiers in Medicine, 7, 191–191. https://doi.org/10.3389/fmed.2020.00191

Hoof, I., Klaus Bønnelykke, Stranzl, T., Brand, S., Li, X., Shamji, M. H., Meyers, D. A., Bateman, E. D., Bleecker, E., & Andersen, P. S. (2023). Genetic and T2 biomarkers linked to the efficacy of HDM sublingual immunotherapy in asthma. Thorax, 79(4), 332–339. https://doi.org/10.1136/thorax-2023-220707

Iordache, A., Constantin Balica, N., Horhat, I. D., Morar, R., Tischer, A. A., Milcu, A. I., Casiana Salavat, M., & Borugă, V. M. (2023). Review A Review Regarding the Connections between Allergic Rhinitis and Asthma-Epidemiology, Diagnosis and Treatment. *Current Health Sciences Journal*, *49*(1). https://doi.org/10.12865/CHSJ.49.01.01

Irawati, N., Vania, E., Poerbonegoro, N. L., & Anatriera, R. A. (2022). Comprehensive therapy in united airway disease: Evidence Based Case Report. Oto Rhino Laryngologica Indonesiana, 52(1). https://doi.org/10.32637/orli.v52i1.548

Istiqomah, D. & Imanto, M. (2023). Relationship Between Allergic Rhinitis with Incidence of Bronchial Asthma. Medical Profession Journal of Lampung, 13(1), 77–82. https://doi.org/10.53089/medula.v13i1.611

Kairavini, A., Ariani, T., Utami, S., & Hikmallah, N. (2020). 'Hubungan Tungau Debu Rumah terhadap Angka Kejadian Rinitis Alergi yang Berobat di Poli THT RSUD Bangli Tahun 2019'. Jurnal Kedokteran, 5(2), 57-68. doi:10.36679/kedokteran.v5i2.237

Kawamatawong, T., Sangasapaviriya, A., Saiphoklang, N., Oer-Areemitr, N., Sriprasa, T., Kamalaporn, H., Amnuaypattanapon, K., Rerkpattanapipat, T., Chirakalwasan, N., Kulpraneet, M., Wongsa, C., Chantaphakul, H., Silairatana, S., & Poachanukoon, O. (2022). Guidelines for the management of asthma in adults: Evidence and recommendations. In Asian Pacific Journal of Allergy and Immunology (Vol. 40, Issue 1, pp. 1–21). Allergy and Immunology Society of Thailand. https://doi.org/10.12932/AP-210421-1118

Kim, T. H., Kim, H., Oh, J., Kim, S., Miligkos, M., Yon, D. K., & Papadopoulos, N. G. (2025). Global burden of asthma among children and adolescents with projections to 2050: a comprehensive review and forecasted modeling study. *Clinical and Experimental Pediatrics*. https://doi.org/10.3345/cep.2025.00423

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Kumar, P., Singh, G., Goya, J., Khera, D., & Singh, K. (2019). Association of common comorbidities with asthma in children: a cross-sectional study. Sudanese Journal of Paediatrics, 19(2), 88–92. https://doi.org/10.24911/sjp.106-1544873451

Kazuyuki Nakagome, & Nagata, M. (2020). Role of Allergen Immunotherapy in Asthma Treatment and Asthma Development. *Allergies*, *1*(1), 33–45. https://doi.org/10.3390/allergies1010003

Li, X., Shang, J., Liu, J., & Zhu, Y. (2024). A meta-analysis investigating the efficacy and safety of allergen-specific immunotherapy in the management of respiratory allergies. Journal of Asthma, 61(10), 1337–1346. https://doi.org/10.1080/02770903.2024.2349604

Nakagome, K., & Nagata, M. (2021). Allergen Immunotherapy in Asthma. Pathogens, 10(11), 1406. https://doi.org/10.3390/pathogens10111406

Onubogu, U., & West, B. (2021). The Pattern of Comorbidities of Childhood Asthma as Seen in the Rivers State University Teaching Hospital, Nigeria. Open Journal of Respiratory Diseases, 11(01), 1–18. https://doi.org/10.4236/ojrd.2021.111001

Pasaribu, T. P., Tobing, J., & Simanjuntak, S. G. U. (2021). LITERATURE REVIEW HUBUNGAN RHINITIS ALERGI SEBAGAI FAKTOR PENCETUS ANGKA KEJADIAN ASMA. In *Jurnal Kedokteran Methodist* (Vol. 14, Issue 2). https://ejurnal.methodist.ac.id/index.php/jkm/article/view/1348

Reddel, H. K., Bacharier, L. B., Bateman, E. D., Brightling, C. E., Brusselle, G. G., Buhl, R., Cruz, A. A., Duijts, L., Drazen, J. M., FitzGerald, J. M., Fleming, L. J., Inoue, H., Ko, F. W., Krishnan, J. A., Levy, M. L., Lin, J., Mortimer, K., Pitrez, P. M., Sheikh, A., … Boulet, L. P. (2022). Global Initiative for Asthma Strategy 2021 Executive Summary and Rationale for Key Changes. *American Journal of Respiratory and Critical Care Medicine*, *205*(1), 17–35. https://doi.org/10.1164/rccm.202109-2205PP

Rosenfield, L., Keith, P. K., Quirt, J., Small, P., & Ellis, A. K. (2024). Allergic rhinitis. Allergy, Asthma & Clinical Immunology, 20(S3). https://doi.org/10.1186/s13223-024-00923-6

Shah, R. & Newcomb, D. C. (2018). Sex Bias in Asthma Prevalence and Pathogenesis. Frontiers in Immunology, 9, 2997. https://doi.org/10.3389/fimmu.2018.02997

Sriprasart, T., Saiphoklang, N., Kawamatawong, T., Boonsawat, W., Mitthamsiri, W., Chirakalwasan, N., Chiewchalermsri, C., Athipongarporn, A., Kamalaporn, H., Kornthatchapong, K., Kulpraneet, M., Sompornrattanaphan, M., Oer-Areemitr, N., Rerkpattanapipat, T., Silairatana, S., Thawanaphong, S., Gaensan, T., Jirakran, K., & Poachanukoon, O. (2023). Allergic rhinitis and other comorbidities associated with asthma control in Thailand. *Frontiers in Medicine*, *10*. https://doi.org/10.3389/fmed.2023.1308390

Stern, J., Chen, M., Fagnano, M. and Halterman, J.S. (2022). Allergic rhinitis co-morbidity on asthma outcomes in city school children. *Journal of*

UNIVERSITAS
GADJAH MADA
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Asthma,[online]60(2), pp.255–261. doi:https://doi.org/10.1080/02770903.2022.2043363.

Tameeris, E., Bohnen, A. M., Patrick, & Gijs Elshout. (2025). The effect of allergic rhinitis treatment on asthma control: a systematic review. Npj Primary Care Respiratory Medicine, 35(1), 4–4. https://doi.org/10.1038/s41533-024-00408-4

Tenero, L., Vaia, R., Ferrante, G., Maule, M., Venditto, L., Piacentini, G., Senna, G., & Caminati, M. (2023). Diagnosis and Management of Allergic Rhinitis in Asthmatic Children. Journal of Asthma and Allergy, Volume 16, 45–57. https://doi.org/10.2147/jaa.s281439

Tosca, M. A., Naso, M., & Giorgio Ciprandi. (2023). The impact of allergic rhinitis on bronchial asthma: What therapy? Global Pediatrics, 7, 100125–100125. https://doi.org/10.1016/j.gpeds.2023.100125

Varricchi, G., Ferri, S., Pepys, J., Poto, R., Spadaro, G., Nappi, E., Paoletti, G., Virchow, J. C., Heffler, E., & Canonica, W. G. (2022). Biologics and airway remodeling in severe asthma. Allergy, 77(12), 3538–3552. https://doi.org/10.1111/all.15473

Wardhani, M., Irma Juwita, R., & Purwoko, M. (2020). Hubungan Antara Jenis Kelamin dan Riwayat Asma dengan Rinitis Alergi pada Pelajar SMP Muhammadiyah 3 Palembang. Medica Arteriana (Med−Art), 5(2). https://doi.org/https://jurnal.unimus.ac.id/index.php/MedArt/article/view/5238/0

Wigoeno, Y., Sekartini, R., Setyanto, D. B., & Hadinegoro, S. R. (2011). Assessing the quality of life of asthmatic children using the PedQLTM. Paediatrica Indonesiana, 51(5), 245. https://doi.org/10.14238/pi51.5.2011.245-51

Woehlk, C., Ramu, S., Sverrild, A., Nieto-Fontarigo, J. J., Vázquez-Mera, S., Cerps, S., Pulga, A., Andreasson, L. M., Eriksen, L. L., Dyhre-Petersen, N., Menzel, M., Klein, D. K., Hansen, S., Uller, L., & Porsbjerg, C. (2023). Allergen Immunotherapy Enhances Airway Epithelial Antiviral Immunity in Patients with Allergic Asthma (VITAL Study): A Double-Blind Randomized Controlled Trial. *American Journal of Respiratory and Critical Care Medicine*, *207*(9), 1161–1170. https://doi.org/10.1164/rccm.202209-1708OC

Wu, W., Li, J., Chen, S., & Ouyang, S. (2024). The airway neuro-immune axis as a therapeutic target in allergic airway diseases. Respiratory Research, 25(1). https://doi.org/10.1186/s12931-024-02702-8

Xu, X., Yin, J., Yang, Y., Liu, H., Yu, J., Luo, X., Zhang, Y., & Song, X. (2024). Advances in co-pathogenesis of the united airway diseases. Respiratory Medicine, 225, 107580. https://doi.org/10.1016/j.rmed.2024.107580

Zhou, X., Sampath, V., & Nadeau, K. C. (2024). Effect of air pollution on asthma. Annals of Allergy Asthma & Immunology, 132(4), 426–432. https://doi.org/10.1016/j.anai.2024.01.017

Zhang, P. (2023). The Role of Diet and Nutrition in Allergic Diseases. Nutrients, 15(17), 3683–3683. https://doi.org/10.3390/nu15173683