

DAFTAR PUSTAKA

1. Wijaya A, Toyib R. Sistem Pakar Diagnosis Penyakit Asma Dengan Menggunakan Algoritme Genetik (Studi Kasus RSUD Kabupaten Kepahiang). Pseudocode. 2018;5(2):1–11.
2. Afgani AQ, Hendriani R. Manajemen Terapi Asma. J Farmaka Univ Padjadjaran [Internet]. 2020;18(1):1–15.
3. PDPI. Pedoman Diagnosis dan Penatalaksanaan ASMA di Indonesia. Pedoman diagnosis dan penatalaksanaan asma di Indonesia. 2019; 1–154.
4. Kementerian Kesehatan Republik Indonesia. Laporan Nasional RISKESDAS 2018. Kementrian Kesehat RI [Internet]. 2018;1–582.
5. World Health Organization. Asthma [Internet]. 2021. Available from: <https://www.who.int/news-room/fact-sheets/detail/asthma>
6. Andriani FP, Sabri YS, Angrainy F. Gambaran Karakteristik Tingkat Kontrol Penderita Asma Berdasarkan Indeks Massa Tubuh (IMT) di Poli Paru RSUP. Dr. M. Djamil Padang pada Tahun 2016. J Kesehat Andalas. 2019;8(1):89.
7. Listyoko, Aditya Sri; Chosin LNDS. Pengaruh Pemberian Polifitofarmaka Terhadap Perbaikan Derajat Kontrol Asma Melalui Penurunan Eosinofil dan Interleukin-13 Pasien Asma Stabil yang Tidak Terkontrol. J Respirologi Indones. 2020;40(3).
8. Ferliani F, Sundaru H, Koesnoe S, Shatri H. Kepatuhan Berobat pada Pasien Asma Tidak Terkontrol dan Faktor-Faktor yang Berhubungan. J Penyakit Dalam Indones. 2015;2(3):140.
9. GINA. GLOBAL STRATEGY FOR Global Strategy for Asthma Management and Prevention. 2019; 1–199.
10. Anwar ANY, Agustina R, Fadraersada J. Kajian Terapi Asma dan Tngkat Kontrol Asma berdasarkan Asthma Control Test (ACT). Mulawarman Pharm

Conf. 2017;(November):7–8.

11. Papi A, Brightling C, Pedersen SE, Reddel HK. Asthma. *Lancet*. 2018;391(10122):783–800.
12. Sinulingga, Sadakata; Anggraini IL. Hubungan Tingkat Pengetahuan dan Kepatuhan Penggunaan Obat Kortikosteroid Inhalasi Pasien Rumah Sakit Bhayangkara Palembang Tahun 2020. 2021;3(2):76–81.
13. Haryanti S, Ikawati Z, Andayani TM, Mustofa. Hubungan Kepatuhan Menggunakan Obat Inhaler β 2-Agonis dan Kontrol Asma pada Pasien Asma. *J Farm Klin Indones*. 2016;5(4):238–48.
14. Brandstetter S, Finger T, Fischer W, Brandl M, Böhmer M, Pfeifer M, et al. Differences in medication adherence are associated with beliefs about medicines in asthma and COPD. *Clin Transl Allergy*. 2017;7(1):1–7.
15. Lorensia, Amelia; Yudiarso, Ananta; Syarifah, Diana; Susanti N wayan D. Efektivitas Pemberian Edukasi Untuk Meningkatkan Pengetahuan Mengenai Pengobatan Asma dan Inhaler Pada Apoteker Komunitas Surabaya. *J Sains dan Kesehat*. 2021;3(1):242–7.
16. Farrag RR, Zaki MA, El-Naggar T, El-Hamamsy M. Asthma Patient Care: The Pharmacist's Perspective. *Pharmacol & Pharm*. 2014;05(06):551–9.
17. García-Cárdenas V, Sabater-Hernández D, Kenny P, Martínez-Martínez F, Faus MJ, Benrimoj SI. Effect of a pharmacist intervention on asthma control. A cluster randomised trial. *Respir Med*. 2013;107(9):1346–55.
18. Rothe T, Spagnolo P, Bridevaux PO, Clarenbach C, Eich-Wanger C, Meyer F, et al. Diagnosis and Management of Asthma - The Swiss Guidelines. *Respiration*. 2018;95(5):364–80.
19. Lee LK, Obi E, Paknis B, Kavati A, Chipps B. Asthma control and disease burden in patients with asthma and allergic comorbidities. *J Asthma* [Internet].

- 2018;55(2):208–19.
20. Nur Annies Indriyani Imran, Rita Khairani, Febrina Susanti. Hubungan tingkat kontrol dengan arus puncak ekspirasi pada pasien asma. *J Biomedika dan Kesehat.* 2018;1(2):152–7.
 21. Mims JW. Asthma: Definitions and pathophysiology. *Int Forum Allergy Rhinol.* 2015;5(May):S2–6.
 22. Dharmayanti I, Hapsari D, Azhar K. Asma pada anak Indonesia: Penyebab dan Pencetus. *Kesmas Natl Public Heal J.* 2015;9(4):320.
 23. Padem N, Saltoun C. Classification of asthma. *Allergy Asthma Proc.* 2019;40(6):385–8.
 24. Lei DK, Grammer LC. An overview of allergens. *Allergy Asthma Proc.* 2019;40(6):362–5.
 25. Peters SP. Asthma Phenotypes: Nonallergic (Intrinsic) Asthma. *J Allergy Clin Immunol Pract.* 2014;2(6):650–2.
 26. Lei DK, Grammer LC. Occupational immunologic lung disease. *Allergy Asthma Proc.* 2019;40(6):418–20.
 27. Brennan FH, Alent J, Ross MJ. Evaluating the Athlete with Suspected Exercise-Induced Asthma or Bronchospasm. *Curr Sports Med Rep.* 2018;17(3):85–9.
 28. Quirt J, Hildebrand KJ, Mazza J, Noya F, Kim H. Asthma. *Allergy, Asthma Clin Immunol.* 2018;14(Suppl 2).
 29. Khachi, Hasanin; Meynell, Helen; Murphy A. Asthma: pathophysiology, causes and diagnosis. *Pharm J.* 2014.
 30. Yudhawati R, Krisdanti DPA. Imunopatogenesis Asma. *J Respirasi.* 2019;3(1):26.
 31. Stern J, Pier J, Litonjua AA. Asthma epidemiology and risk factors. *Semin*

- Immunopathol. 2020;42(1):5–15.
32. Coogan, Patricis; Webb NC. Active and passive smoking and the incidence of asthma in the Black Women's Health Study. *Am Thorac Soc.* 2015;(November):1–23.
 33. Silverman RA, Hasegawa K, Egan DJ, Stiffler KA, Sullivan AF, Camargo CA. Multicenter study of cigarette smoking among adults with asthma exacerbations in the emergency department, 2011–2012. *Respir Med.* 2017;125:89–91.
 34. Guarnieri M, Balmes JR. Outdoor air pollution and asthma. *Lancet* [Internet]. 2014;383(9928):1581–92. Available from: [http://dx.doi.org/10.1016/S0140-6736\(14\)60617-6](http://dx.doi.org/10.1016/S0140-6736(14)60617-6)
 35. Burbank AJ, Peden DB. Assessing the impact of air pollution on childhood asthma morbidity: How, when, and what to do. *Curr Opin Allergy Clin Immunol.* 2018;18(2):124–31.
 36. Manese, Mercy; Bidjuni, Hendro; Rompas S. Faktor Resiko Yang Berhubungan Dengan Riwayat Serangan Pada Penderita Asma Di Kabupaten Minahasa Selatan. *J Keperawatan.* 2021;9(2).
 37. Toskala E, Kennedy DW. Asthma risk factors. *Int Forum Allergy Rhinol.* 2015;5(September):S11–6.
 38. Willis-Owen SAG, Cookson WOC, Moffatt MF. The genetics and genomics of asthma. *Annu Rev Genomics Hum Genet.* 2018;19:223–46.
 39. Ullemar V, Magnusson PKE, Lundholm C, Zettergren A, Melén E, Lichtenstein P, et al. Heritability and confirmation of genetic association studies for childhood asthma in twins. *Allergy Eur J Allergy Clin Immunol.* 2016;71(2):230–8.
 40. Beghe, Bianca; Fabbri L. UPDATE IN ASTHMA 2016. *Am Thorac Soc.* 2017;(615):1–34.

41. Ramratnam S k. Relationships among Maternal Stress and Depression, Type 2 responses, and Recurrent Wheezing at age 3 Years in Low Income Urban Families. 2016;1–30.
42. Jones, Thomas L; Neville, Daniel M; Chauhan AJ. Diagnosis and treatment of severe asthma: a phenotype-based approach. 2018;18:36–40.
43. Abbas A, Shahid S, Sabah A, Beg AE, Ahmed FR, Tanwir S. The Clinical Complications of Asthma and its Pharmacotherapy. Br Biomed Bull. 2014;2(1):117–46.
44. McCracken JL, Veeranki SP, Ameredes BT, Calhoun WJ. Diagnosis and management of asthma in adults a review. JAMA - J Am Med Assoc. 2017;318(3):279–90.
45. GINA. GINA 2019 Guidelines. Glob Initiat Asthma. 2019;126(3).
46. Wu TD, Brigham EP, McCormack MC. Asthma in the Primary Care Setting. Med Clin North Am [Internet]. 2019;103(3):435–52.
47. Ramadan AA, Gaffin JM, Israel E, Phipatanakul W. Asthma and Corticosteroid Responses in Childhood and Adult Asthma. Clin Chest Med [Internet]. 2019;40(1):163–77.
48. Zeiger R, Sullivan P, Chung Y, Kreindler JL, Zimmerman NM, Tkacz J. Systemic Corticosteroid-Related Complications and Costs in Adults with Persistent Asthma. J Allergy Clin Immunol Pract [Internet]. 2020;8(10):3455-3465.e13.
49. Billington, Charlotte K.; Penn, Raymond; Hall L. Organ-Specific Cancer Metabolism and Its Potential for Therapy Ilaria: Adipokines and the Endocrine Role of Adipose Tissues. Handb Exp Pharmacol. 2016;(January):251–63.
50. Guyer AC, Long AA. Long-acting anticholinergics in the treatment of asthma. 2013;13(4):392–8.

51. Farzan N, Vijverberg SJH, Arets HG, Raaijmakers JAM, Maitland-van der Zee AH. Pharmacogenomics of inhaled corticosteroids and leukotriene modifiers: a systematic review. *Clin Exp Allergy*. 2017;47(2):271–93.
52. Asfour MH, Kassem AA, Salama A, Abd El-Alim SH. Hydrophobic ion pair loaded self-emulsifying drug delivery system (SEDDS): A novel oral drug delivery approach of cromolyn sodium for management of bronchial asthma. *Int J Pharm [Internet]*. 2020;585(March):119494. Available from: <https://doi.org/10.1016/j.ijpharm.2020.119494>
53. Morikawa M, Hagiwara Y, Gibo K, Goto T, Watase H, Hasegawa K, et al. Methylxanthine use for acute asthma in the emergency department in Japan: a multicenter observational study. *Acute Med Surg*. 2019;279–86.
54. Maselli DJ, Peters JI. Medication regimens for managing acute asthma. *Respir Care*. 2018;63(6):783–96.
55. Gosens R, Gross N. The mode of action of anticholinergics in asthma. *Eur Respir J*. 2018;52(4).
56. Wartini W, Immawati I, Dewi TK. Penerapan latihan batuk efektif pada intervensi nebulizer dalam mengatasi ketidakefektifan bersihan jalan napas anak suai prasekolah (3-5 tahun). *J Cendikia Muda [Internet]*. 2021;1(4):7. Available from: <https://jurnal.akperdharmawacana.ac.id/index.php/JWC/article/view/241>
57. Sorino C, Negri S, Spanevello A, Visca D, Scichilone N. Inhalation therapy devices for the treatment of obstructive lung diseases: the history of inhalers towards the ideal inhaler. *Eur J Intern Med [Internet]*. 2020;75(January):15–8. Available from: <https://doi.org/10.1016/j.ejim.2020.02.023>
58. Bassam M, Behbehani N, Farouk H, Alsayed M, Montestruc F, Al-Jahdali H, et al. Adherence to medication among adult asthma patients in the Middle East and North Africa: results from the ESMAA study. *Respir Med [Internet]*. 2021;176(September 2020):106244. Available from:

<https://doi.org/10.1016/j.rmed.2020.106244>

59. Lailatushifah SNF. Kepatuhan Pasien Yang Menderita Penyakit Kronis Dalam Mengkonsumsii Obat Harian. 2012;
60. Lindsay JT, Heaney LG. Non-adherence in difficult asthma and advances in detection. *Expert Rev Respir Med.* 2013;7(6):607–14.
61. George M. Adherence in asthma and copd: New strategies for an old problem. *Respir Care.* 2018;63(6):818–31.
62. Pearce CJ, Fleming L. Adherence to medication in children and adolescents with asthma: methods for monitoring and intervention. *Expert Rev Clin Immunol [Internet].* 2018;14(12):1055–63.
63. Janežič A, Locatelli I, Kos M. Criterion validity of 8-item Morisky Medication Adherence Scale in patients with asthma. *PLoS One.* 2017;12(11):1–10.
64. Morisky DE, Ang A, Krousel-Wood M, Ward HJ. Predictive validity of a medication adherence measure in an outpatient setting. *J Clin Hypertens.* 2008;10(5):348–54.
65. Oliveira SG, Sarria EE, Roncada C, Stein RT, Pitrez PM, Mattiello R. Validation of the Brazilian version of the childhood asthma control test (c-ACT). *Pediatr Pulmonol.* 2016;51(4):358–63.
66. Van Dijk BCP, Svedstater H, Hedding A, Nelsen L, Balradj JS, Alleman C. Relationship between the Asthma Control Test (ACT) and other outcomes: A targeted literature review. *BMC Pulm Med.* 2020;20(1):1–9.
67. Lukas S, Nugroho H, Jeaneth. Analisa Hubungan Kepatuhan Penggunaan Obat Antiasma Dengan Kualitas Hidup Pasien Asma Persisten Rawat Jalan Di RSUP Persahabatan Jakarta Periode Juli-Agustus 2017. *Soc Clin Pharm Indones J.* 2017;2(2):23–34.
68. Fadzila W, Indriati G, Keperawatan F, Riau U. Hubungan keteraturan

penggunaan inhaler terhadap hasil asthma control test (act) pada penderita asma. 2018;831–9.

69. Saily S, Adrianison, Bebasari E. Gambaran Faal Paru Dan Skoring Asthma Control Test (ACT) Penderita Asma Rawat Jalan Di Poliklinik Paru RSUD Arifin Achmad Pekanbaru. JOM FK. 2014;1:1–14.
70. Majida IA, Andayani TM, Mafruhah OR. KUALITAS HIDUP PASIEN ASMA DI RUMAH SAKIT KHUSUS PARU RESPIRA UPKPM YOGYAKARTA PERIODE FEBRUARI-APRIL 2013. 2013;10(2):51–9.
71. Romadhon R, Saibi Y, Nasir NM. Kepatuhan Terhadap Pengobatan Pasien Diabetes Melitus Tipe 2 di Puskesmas Jakarta Timur. J Frmasi Galen. 2020;6(1):94–103.
72. Prisilla W, Medison I, Rusjdi SR. Hubungan Keteraturan Penggunaan Kortikosteroid Inhalasi dengan Tingkat Kontrol Asma Pasien Berdasarkan ACT di. 2013;5(1):72–7.
73. World Health Organization. Adherence to Long-Term Therapies. 2003.

