

DAFTAR PUSTAKA

- Adiana, I. N., dan Puta, I. N. A. M. (2023). Hubungan Antara Tingkat Pendidikan dan Komorbiditas dengan Perilaku Perwatan Diri Pasien Penyakit Paru Obstruktif Kronis (PPOK). *Jurnal Riset Kesehatan Nasional*, 7(1), 72-77. <https://doi.org/10.37294/jrkn.v7i1.486>
- Agustin, N. A., Inayati, A., & Ayubbana, S. (2023). *Penerapan clapping dan batuk efektif terhadap pengeluaran sputum pada pasien dengan PPOK di ruang paru RSUD Jend. A. Yani Kota Metro tahun 2022*. Jurnal Cendikia Muda, 3(4), Desember 2023.
- Alamsyah HV. Hubungan antara Tingkat Kepatuhan dan Teknik Penggunaan Inhaler dengan Keberhasilan Terapi pada Pasien PPOK di RSU XYZ. Skripsi. Jakarta: Universitas Muhammadiyah Prof. Dr. HAMKA; 2019. Tersedia dari: <https://repository.uhamka.ac.id/20291>
- Amelia R, Amelia L, Sari NM. Tingkat Kepatuhan Terhadap Terapi Inhalasi Kombinasi LABA/LAMA pada Pasien PPOK di Instalasi Rawat Jalan RSUD Dr. Zainoel Abidin Banda Aceh. *Jurnal Kesehatan Global Malahayati*. 2023;6(1):123–30. Tersedia dari: <https://ejurnalmalahayati.ac.id/index.php/kesehatan/article/view/10060>
- Bakhitah, K., Subiakto, T. (2023). Penerapan Pursed Lip Breathing Terhadap Perubahan Saturasi Oksigen Pada Penyakit Paru Obstruktif Kronis Di Rumah Sakit Umum Pusat Dr Sitanala. *Journal Smart Nursing & Health Science*, 1(2), 1-7. <https://doi.org/10.36743/josnhs.v1i2>
- Bousquet, J., Mantzouranis, E., & Bateman, E. D. (2015). *Respimat Soft Mist Inhaler: A New Approach to Inhalation Therapy*. Journal of Allergy and Clinical Immunology, 135(6), 1360-1367. <https://doi.org/10.1016/j.jaci.2015.03.037>
- Çakmaklı, S., Özdemir, A., Fırat, H., Aypak, C. (2023). An Evaluation of The Use of Inhalers in Asthma and Chronic Obstructive Pulmonary Disease. *Journal of Taibah University Medical Sciences*, 18(4), 860-867. <https://doi.org/10.1016/j.jtumed.2023.01.001>
- Celli, B., Fabbri, L., Criner, G., Martinez, F. J., Mannino, D., Vogelmeier, C., Montes de Oca, M., Papi, A., Sin, D. D., Han, M. K., & Agusti, A. (2022). Definition and Nomenclature of Chronic Obstructive Pulmonary Disease: Time for Its Revision. *American Journal of Respiratory and Critical Care Medicine*, 206(11), 1317–1325. <https://doi.org/10.1164/rccm.202204-0671PP>.

- Choi, J. Y., & Rhee, C. K. (2020). Diagnosis and Treatment of Early Chronic Obstructive Lung Disease (COPD). *Journal of Clinical Medicine*, 9(11), 3426. <https://doi.org/10.3390/jcm9113426>.
- Dayani, E., dan Adiana, S. (2023). Gambaran Tingkat Pengetahuan dan Ketepatan Penggunaan Inhaler Pasien Asma Rawat Jalan di Rumah Sakit X Periode Februari-Marat 2023. *Indonesian Journal of Health Science*, 3(1), 52-49. <https://doi.org/10.54957/ijhs.v3i1.417>
- Gil, H. I., Zo, S., Jones, P. W., Kim, B. G., Kang, N., Choi, Y., Cho, H. K., Kang, D., Cho, J., Park, H. Y., & Shin, S. H. (2021). Clinical Characteristics of COPD Patients According to COPD Assessment Test (CAT) Score Level: Cross-Sectional Study. *International Journal of Chronic Obstructive Pulmonary Disease*, 16, 1509–1517. <https://doi.org/10.2147/COPD.S297089>.
- Global Initiative for Chronic Obstructive Lung Disease. (2023). *Pocket Guide to COPD Diagnosis, Management, and Prevention A Guide for Health Care Professionals* 2023 Edition. Illinois: Global Initiative for Chronic Obstructive Lung Disease, Inc.
- Hanushek, E. A., Kinne, L., Witthöft, F., & Woessmann, L. (2025). Age and cognitive skills: Use it or lose it. *Science Advances*, 11(10), eads1560. <https://doi.org/10.1126/sciadv.ads1560>
- Hendrawan, A., Sampurno, B., Cahyadi, K. (2019). Gambaran Tingkat Pengetahuan Tenaga Kerja PT “X” Tentang Undang-undang dan Peraturan Kesehatan dan Keselamatan Kerja. *Jurnal Delima Harapan*, 6(2), 69-81. <https://doi.org/10.31935/delima.v6i2.76>.
- Hohn, S., & Holtz, C. (2016). Comparison of Soft Mist Inhalers and Pressurized Metered-Dose Inhalers: Patient Perception and Clinical Efficacy. *The Journal of Allergy and Clinical Immunology in Practice*, 53(6), 643-650. <https://doi.org/10.3109/02770903.2015.1112367>
- Ikatan Dokter Anak Indonesia. (2019). *Rekomendasi Terapi Inhalasi pada Anak*. Jakarta: Ikatan Dokter Anak Indonesia.
- Iwanaga T, Tohda Y, Nakamura S, Suga Y. (2019). The Respimat Soft Mist Inhaler: Implications of Drug Delivery Characteristics for Patients. *Clinical Drug Investigation*, 39(11), 1021–1030.
- Kamilah, Z., Melviani, Irawan, A., Yuwindry, I. (2023). Kualitas Hidup Pasien Asma Pengguna Inhaler di Instalasi Rawat Jalan RSUD Sultan Suriansyah. *Indonesian Journal of Pharmacy and Natural Product*, 6(2), 201- 208. <https://doi.org/10.35473/ijpnp.v6i02.2589>.

- Kessler, R., Patidge, M. R., Miravitles, M., Cazzola M., Vogelmeier, C., Leynaud, D., Ostinelli, J. (2011). Symptom Variability in Patients with Severe COPD: a pan-European Cross-Sectional Study. *European Respiratory Journal*. 37, 264-272. <https://erj.ersjournals.com/content/erj/37/2/264.full.pdf>
- Maepa, H. M., Wong, M. L., Menezes, C. N. (2019) Evaluation of The Knowledge and Correct Use of Metered-Dose Inhalers by Healthcare Professionals and Medical Students in Gauteng Province. *African Journal of Thoracic Critical Care Medicine*, 25(3), 10.7196. 10.7196/AJTCCM.2019.v25i3.003
- NAHDAH, C. N. (2020). *Perbandingan Kualitas Hidup Pasien Penyakit Paru Obstruktif Kronis dengan Menggunakan Kuesioner COPD Assessment Test (CAT) dan Clinical COPD Questionnaire (CCQ): Perbedaan Karakteristik Pasien CHF (Chronic Heart Failure) pada Usia Dewasa dan Usia Lanjut serta Hubungannya dengan Kematian Selama Perawatan*. Volume 5, hlm. 1–10.
- Naser, F., Medison, I., Erly. (2016). Gambaran Derajat Merokok Pada Penderita PPOK di Bagian Paru RSUP Dr. M. Djamil. *Jurnal Kesehatan Andalas*, 5(2), 306-311.
- Perhimpunan Dokter Paru Indonesia (PDPI). (2023). *Penyakit Paru Obstruktif Kronik (PPOK) Pedoman Diagnosis dan Penatalaksanaan di Indonesia*. Jakarta: Perhimpunan Dokter Paru Indonesia.
- Phillips J. E. (2020). Inhaled Phosphodiesterase 4 (PDE4) Inhibitors for Inflammatory Respiratory Diseases. *Frontiers in pharmacology*, 11, 259. <https://doi.org/10.3389/fphar.2020.00259>.
- Pothirat, C., Chaiwong, W., Phetsuk, N., Pisalthanapuna, S., Chetsadaphan, N., & Choomuang, W. (2015). Evaluating Inhaler Use Technique in COPD Patients. *International Journal of Chronic Obstructive Pulmonary Disease*, 10, 1291–1298. <https://doi.org/10.2147/COPD.S85681>.
- R, Z., Nessa, N., dan Athifah, Y. (2019). Analisis Ketepatan Pemilihan dan Penentuan Regimen Obat pada Pasien Penyakit Paru Obstruktif Kronis (PPOK). *Jurnal Sains Farmasi & Klinis*, 6(2), 158–163. <https://doi.org/10.25077/jsfk.6.2.158-163.2019>.
- Sandler, N., Holländer, J., Långström, D., Santtila, P., Saukkonen, A., dan Torvinen, S. (2016). Evaluation of inhaler handling-errors, inhaler perception and preference with Spiromax, Easyhaler and Turbuhaler devices among healthy Finnish volunteers: a single site, single visit crossover study (Finhaler). *BMJ open respiratory research*, 3(1), e000119. <https://doi.org/10.1136/bmjresp-2015-000119>.

- Soeroto, A. Y., dan Suryadinata, H. (2014). Penyakit Paru Obstruktif Kronik. *Indonesian Journal of Chest Critical and Emergency Medicine*, 1(2). <https://www.indonesiajournalchest.com/index.php/IJC/issue/view/10>
- Suryadinata, A. L. (2018). *inhaler*. surabaya: M-Brothers Indonesia.
- Susilawati, R., Pratiwi, F., Adhisty, Y. (2022) Pengaruh Pendidikan Kesehatan Tentang Dismenorhoe Terhadap Tingkat Pengetahuan Remaja Putri Mengenai Disminorhoe di Kelas XI SMA N 2 Banguntapan. *Jurnal Ilmu Kesehatan Mulia Madani Yogyakarta*, 3(2), 37-54. <https://jurnal.lppm-mmy.ac.id/index.php/jik/article/view/10/10>.
- The National Asthma Council Australia (2020). *Inhaler technique*. Victoria: The National Asthma Council Australia.
- Timur, K. W., Astuti, D., Puspasari, F. D. (2024). Literature Review Pengaruh Teknik Pursed Lips Breathing Terhadap Tingkat Sesak Napas Pada Pasien Penyakit Paru Obstruktif Kronis (PPOK). *Journal of Nursing and Health*, 6(1), 63-73. <https://jurnal.politeknikyakpermas.ac.id/index.php/jnh/article/view/141>.
- Zhu, Q., Gou, D. Chan, H. K., Kourmatzis, A., Yang, R. (2023). Effects of The Mouthpiece and Chamber of Turbuhaler® on the Aerosolization of API-Only Powder Formulations. *International Journal of Pharmaceutics*, 637(2023), 122871