

**DAFTAR PUSTAKA**

- Alberg, A. J., Shopland, D. R. dan Cummings, K. M. (2014) ‘The 2014 Surgeon General’s report: commemorating the 50th Anniversary of the 1964 Report of the Advisory Committee to the US Surgeon General and updating the evidence on the health consequences of cigarette smoking.’, *American journal of epidemiology*, 179(4), pp. 403–12. doi: 10.1093/aje/kwt335.
- American Lung Association (2018) *Lung Function Tests*. Tersedia di: <https://www.lung.org/lung-health-and-diseases/lung-procedures-and-tests/lung-function-tests.html>.
- Aryal, S., Diaz-Guzman, E. dan Mannino, D. M. (2013) ‘COPD and gender differences: an update.’, *Translational research : the journal of laboratory and clinical medicine*, 162(4), pp. 208–18. doi: 10.1016/j.trsl.2013.04.003.
- Atiqi, N. (2017) *PROFIL PASIEN PENYAKIT PARU OBSTRUKTIF KRONIK EKSASERBASI AKUT DI RUANG RAWAT INAP PARU RSUD DR. SOETOMO PERIODE JANUARI 2016-DESEMBER 2016*. Universitas Airlangga. Tersedia di: <http://repository.unair.ac.id/id/eprint/66412>.
- Bafadhel, M. *et al.* (2012) ‘Profiling of sputum inflammatory mediators in asthma and chronic obstructive pulmonary disease.’, *Respiration; international review of thoracic diseases*, 83(1), pp. 36–44. doi: 10.1159/000330667.
- Bafadhel, M., Pavord, I. D. dan Russell, R. E. K. (2017) ‘Eosinophils in COPD: just another biomarker?’, *The Lancet Respiratory Medicine*, 5(9), pp. 747–759. doi: 10.1016/S2213-2600(17)30217-5.
- Barnes, N. *et al.* (2013) ‘Chronic obstructive pulmonary disease and exacerbations:

- Patient insights from the global Hidden Depths of COPD survey', *BMC Pulmonary Medicine*, 13(1), p. 54. doi: 10.1186/1471-2466-13-54.
- Barnes, P. et al. (2009) *Asthma and COPD*. 2nd Editio. Elsevier. doi: 10.1016/B978-0-12-374001-4.X0001-6.
- Blackler, L., Jones, C. dan Mooney, C. (2007) *Managing Chronic Obstructive Pulmonary Disease*.
- Carlson, C. L. et al. (2001) 'Hormone replacement therapy is associated with higher FEV1 in elderly women.', *American journal of respiratory and critical care medicine*, 163(2), pp. 423–8. doi: 10.1164/ajrccm.163.2.2003040.
- Casanova, C. et al. (2011) 'The progression of chronic obstructive pulmonary disease is heterogeneous: the experience of the BODE cohort.', *American journal of respiratory and critical care medicine*, 184(9), pp. 1015–21. doi: 10.1164/rccm.201105-0831OC.
- Cazzola, M. et al. (2009) *Acute Exacerbations in COPD*. Clinical Publishing.
- Celli, B. R. et al. (2004) 'Standards for the diagnosis and treatment of patients with COPD: a summary of the ATS/ERS position paper', *European Respiratory Journal*, 23(6), pp. 932–946. doi: 10.1183/09031936.04.00014304.
- Eisner, M. D. et al. (2010) 'An official American Thoracic Society public policy statement: Novel risk factors and the global burden of chronic obstructive pulmonary disease.', *American journal of respiratory and critical care medicine*, 182(5), pp. 693–718. doi: 10.1164/rccm.200811-1757ST.
- Firdausi (2014) 'Hubungan Derajat Obstruksi Paru dengan Kualitas Hidup Penderita Ppok di RSUD Dr. Soedarso Pontianak', *Jurnal Mahasiswa Fakultas*

Kedokteran Untan, 1(1). Tersedia di:

[http://jurnal.untan.ac.id/index.php/jfk/article/view/6336/6513.](http://jurnal.untan.ac.id/index.php/jfk/article/view/6336/6513)

Gorska, K. et al. (2008) 'Eosinophilic airway inflammation in chronic obstructive pulmonary disease and asthma.', *Journal of physiology and pharmacology : an official journal of the Polish Physiological Society*, 59 Suppl 6, pp. 261–70.

Tersedia di: <http://www.ncbi.nlm.nih.gov/pubmed/19218650>.

Guyton, A. C. dan Hall, J. E. (2016) *Guyton and Hall Textbook of Medical Physiology*.

Thirteenth. Philadelphia: Elsevier.

Hallin, R. et al. (2007) 'Nutritional status and long-term mortality in hospitalised patients with chronic obstructive pulmonary disease (COPD)', *Respiratory Medicine*, 101(9), pp. 1954–1960. doi: 10.1016/j.rmed.2007.04.009.

Hanania, N. A. dan Sharafkhaneh, A. (eds) (2011) *COPD*. Totowa, NJ: Humana Press. doi: 10.1007/978-1-59745-357-8.

Hancox, R. J., Pavord, I. D. dan Sears, M. R. (2018) 'Associations between blood eosinophils and decline in lung function among adults with and without asthma.', *The European respiratory journal*, 51(4), p. 1702536. doi: 10.1183/13993003.02536-2017.

Hastie, A. T. et al. (2017) 'Association of sputum and blood eosinophil concentrations with clinical measures of COPD severity: an analysis of the SPIROMICS cohort.', *The Lancet. Respiratory medicine*, 5(12), pp. 956–967. doi: 10.1016/S2213-2600(17)30432-0.

Husebø, G. R. et al. (2014) 'Predictors of exacerbations in chronic obstructive pulmonary disease--results from the Bergen COPD cohort study.', *PloS one*.

Edited by J. D. Chalmers, 9(10), p. e109721. doi: 10.1371/journal.pone.0109721.

Jasminarti D.K., I. A. (2015) *Hubungan Pajanan Kumulatif Debu Batu dengan Kadar Interleukin 13 Serum dan Faal Paru Pekerja Pemecah Batu di Kecamatan Gerokgak, Kabupaten Buleleng, Bali*. Universitas Airlangga. Tersedia di: <http://repository.unair.ac.id/id/eprint/30326>.

Jo, Y. S. et al. (2018) ‘Comparison of COPD Assessment Test and Clinical COPD Questionnaire to predict the risk of exacerbation.’, *International journal of chronic obstructive pulmonary disease*, 13, pp. 101–107. doi: 10.2147/COPD.S149805.

Juwariyah, J. et al. (2018) ‘Trend Aktivitas Leukosit Pro Inflamasi pada Kasus PPOK Eksaserbasi Akut’, *Mutiara Medika: Jurnal Kedokteran dan Kesehatan*, 17(2), pp. 67–71. doi: 10.18196/mm.170202.

Ke, X. et al. (2016) ‘Impact of lung function on exacerbations, health care utilization, and costs among patients with COPD’, *International Journal of COPD*, 11(1), pp. 1689–1703. doi: 10.2147/COPD.S108967.

Kelly, A. M. et al. (2018) ‘Epidemiology, treatment, disposition and outcome of patients with acute exacerbation of COPD presenting to emergency departments in Australia and South East Asia: An AANZDEM study’, *Respirology*, 23(7), pp. 681–686. doi: 10.1111/resp.13259.

Kerkhof, M. et al. (2017) ‘Blood eosinophil count and exacerbation risk in patients with COPD’, *European Respiratory Journal*, 50(1), p. 1700761. doi: 10.1183/13993003.00761-2017.

- Kesten, S. *et al.* (2011) ‘Adverse health consequences in COPD patients with rapid decline in FEV1--evidence from the UPLIFT trial.’, *Respiratory research*, 12(1), p. 129. doi: 10.1186/1465-9921-12-129.
- Kim, S. J. *et al.* (2016) ‘Age-related annual decline of lung function in patients with COPD.’, *International journal of chronic obstructive pulmonary disease*, 11, pp. 51–60. doi: 10.2147/COPD.S95028.
- Kohansal, R. *et al.* (2009) ‘The Natural History of Chronic Airflow Obstruction Revisited’, *American Journal of Respiratory and Critical Care Medicine*, 180(1), pp. 3–10. doi: 10.1164/rccm.200901-0047OC.
- Kolsum, U. *et al.* (2017) ‘Blood and sputum eosinophils in COPD; relationship with bacterial load.’, *Respiratory research*, 18(1), p. 88. doi: 10.1186/s12931-017-0570-5.
- Kurniadi, I., Santoso, M. dan Marina, D. (2008) ‘Gambaran Pemeriksaan Faal Paru pada Penderita Penyakit Paru Obstruktif Kronik yang Berobat di Poli Paru RSUD Koja Periode Desember 2005-Desember 2008’.
- Landis, S. *et al.* (2018) ‘Demographic and Clinical Characteristics of COPD Patients at Different Blood Eosinophil Levels in the UK Clinical Practice Research Datalink.’, *COPD*, 15(2), pp. 177–184. doi: 10.1080/15412555.2018.1441275.
- Lisa, T. G., Saad, A. dan Suyanto (2013) ‘Profil Penderita Penyakit Paru Obstruktif Kronik (PPOK)’, *Journal of Chemical Information and Modeling*, 53(9), pp. 1689–1699. doi: 10.1017/CBO9781107415324.004.
- Lopez Varela, M. V *et al.* (2010) ‘Sex-related differences in COPD in five Latin American cities: the PLATINO study’, *European Respiratory Journal*, 36(5),

- pp. 1034–1041. doi: 10.1183/09031936.00165409.
- Lytras, T. *et al.* (2018) ‘Occupational exposures and 20-year incidence of COPD: the European Community Respiratory Health Survey.’, *Thorax*, 73(11), pp. 1008–1015. doi: 10.1136/thoraxjnl-2017-211158.
- Martantya, R. S., Nasrul, E. dan Basyar, M. (2014) ‘Gambaran Hitung Jenis Leukosit pada Pasien Penyakit Paru Obstruktif Kronik yang Dirawat di RSUP Dr. M. Djamil Padang’, *Jurnal Kesehatan Andalas*, 3(2), pp. 217–220.
- Müllerova, H. *et al.* (2015) ‘Hospitalized exacerbations of COPD: risk factors and outcomes in the ECLIPSE cohort.’, *Chest*, 147(4), pp. 999–1007. doi: 10.1378/chest.14-0655.
- Naser, F., Medison, I. dan Erly (2016) ‘Gambaran Derajat Merokok Pada Penderita PPOK di Bagian’, *Jurnal Kesehatan Andalas*, 5(2), pp. 306–311.
- National Heart, Lung, and B. I. (2018) *COPD*. Tersedia di: <https://www.nhlbi.nih.gov/health-topics/copd>.
- Negewo, N. A. *et al.* (2016) ‘Peripheral blood eosinophils: a surrogate marker for airway eosinophilia in stable COPD.’, *International journal of chronic obstructive pulmonary disease*, 11, pp. 1495–504. doi: 10.2147/COPD.S100338.
- Oancea, C. *et al.* (2015) ‘Impact of medical education program on COPD patients: a cohort prospective study.’, *Wiener klinische Wochenschrift*, 127(9–10), pp. 388–93. doi: 10.1007/s00508-015-0712-z.
- Paulin, L. M. *et al.* (2015) ‘Occupational exposures are associated with worse morbidity in patients with chronic obstructive pulmonary disease.’, *American*

- journal of respiratory and critical care medicine*, 191(5), pp. 557–65. doi: 10.1164/rccm.201408-1407OC.
- Qaseem, A. et al. (2011) ‘Diagnosis and management of stable chronic obstructive pulmonary disease: a clinical practice guideline update from the American College of Physicians, American College of Chest Physicians, American Thoracic Society, and European Respiratory Society.’, *Annals of internal medicine*, 155(3), pp. 179–91. doi: 10.7326/0003-4819-155-3-201108020-00008.
- Raghavan, D. dan Jain, R. (2016) ‘Increasing awareness of sex differences in airway diseases.’, *Respirology (Carlton, Vic.)*, 21(3), pp. 449–59. doi: 10.1111/resp.12702.
- Raghavan, D., Varkey, A. dan Bartter, T. (2017) ‘Chronic obstructive pulmonary disease: the impact of gender.’, *Current opinion in pulmonary medicine*, 23(2), pp. 117–123. doi: 10.1097/MCP.0000000000000353.
- Ramírez-Venegas, A. et al. (2014) ‘FEV1 decline in patients with chronic obstructive pulmonary disease associated with biomass exposure.’, *American journal of respiratory and critical care medicine*, 190(9), pp. 996–1002. doi: 10.1164/rccm.201404-0720OC.
- Riskesdas (2013) ‘Riskesdas 2013’, *Jakarta: Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan Republik Indonesia*, (Penyakit Menular), p. 103. doi: 10.1007/s13398-014-0173-7.2.
- Saha, S. dan Brightling, C. E. (2006) ‘Eosinophilic airway inflammation in COPD.’, *International journal of chronic obstructive pulmonary disease*, 1(1), pp. 39–47. Tersedia di: <http://www.ncbi.nlm.nih.gov/pubmed/18046901>.

- Shamara, F. dan Fachri, M. (2014) ‘Karakteristik Pasien Penyakit Paru Obstruktif Kronik Stabil Dikaitkan dengan Kebiasaan Merokok Berdasarkan Nilai Indeks Brinkman di Rumah Sakit Islam Jakarta ( RSIIJ ) Sukapura’, *J Indon Med Assoc*, 64(12), pp. 564–569.
- Sherwood, L. (2016) *Human Physiology: From Cells to Systems*. Ninth Edit. Cengage Learning.
- Siafakas, N. M., Anthonisen, N. R. dan Georgopoulos, D. (2004) *Acute Exacerbation of Chronic Obstructive Pulmonary Disease*. Edited by C. Lenfant. Marcel Dekker.
- Soriano, J. B. et al. (2015) ‘Mortality prediction in chronic obstructive pulmonary disease comparing the GOLD 2007 and 2011 staging systems: a pooled analysis of individual patient data’, *The Lancet Respiratory Medicine*, 3(6), pp. 443–450. doi: 10.1016/S2213-2600(15)00157-5.
- Spelta, F. et al. (2018) ‘Body weight and mortality in COPD: focus on the obesity paradox.’, *Eating and weight disorders : EWD*, 23(1), pp. 15–22. doi: 10.1007/s40519-017-0456-z.
- Tantucci, C. dan Modina, D. (2012) ‘Lung function decline in COPD.’, *International journal of chronic obstructive pulmonary disease*, 7, pp. 95–9. doi: 10.2147/COPD.S27480.
- Turato, G. et al. (2017) ‘Blood eosinophils do not reflect lung tissue eosinophils in COPD’, in *Airway Cell Biology and Immunopathology*. European Respiratory Society, p. PA1014. doi: 10.1183/1393003.congress-2017.PA1014.
- Vanfleteren, L. E. et al. (2016) ‘Body mass index and chronic airflow limitation in a

- worldwide population-based study.', *Chronic respiratory disease*, 13(2), pp. 90–101. doi: 10.1177/1479972315626012.
- Vashi, M. T. *et al.* (2019) 'Eosinophilic Chronic Obstructive Pulmonary Disease: Implications for Exacerbations, Readmissions, and Treatment.', *American journal of respiratory and critical care medicine*, 199(1), pp. 110–112. doi: 10.1164/rccm.201802-0328RR.
- Vestbo, J. *et al.* (2011) 'Changes in forced expiratory volume in 1 second over time in COPD.', *The New England journal of medicine*, 365(13), pp. 1184–92. doi: 10.1056/NEJMoa1105482.
- Wedzicha, J. A. dan Martinez, F. J. (2009) *Chronic Obstructive Pulmonary Disease Exacerbations*. New York: Informa Healthcare.
- WHO (2018) 'Global Initiative for Chronic Obstructive', *Global Obstructive Lung Disease*, p. <http://www.goldcopd.org>. doi: 10.1097/00008483-200207000-00004.
- Zhu, J. *et al.* (2012) 'Cysteinyl leukotriene 1 receptor expression associated with bronchial inflammation in severe exacerbations of COPD.', *Chest*, 142(2), pp. 347–357. doi: 10.1378/chest.11-1581.
- Zysman, M. *et al.* (2017) 'Relationship between blood eosinophils, clinical characteristics, and mortality in patients with COPD.', *International journal of chronic obstructive pulmonary disease*, 12, pp. 1819–1824. doi: 10.2147/COPD.S129787.