

DAFTAR PUSTAKA

1. Rozaliyani A, Jusuf A, ZS P, Burhan E, Handayani D, Widowati H, et al. Pulmonary Mycoses in Indonesia: Current Situations and Future Challenges. *J Respirologi Indones*. 2019 Jul 3;39(3):210–4.
2. Li Z, Li Y, Chen Y, Li J, Li S, Li C, et al. Trends of pulmonary fungal infections from 2013 to 2019: an AI-based real-world observational study in Guangzhou, China. *Emerg Microbes Infect*. 2021 Jan 1;10(1):470–80.
3. Denning DW. Global incidence and mortality of severe fungal disease. *Lancet Infect Dis*. 2024 Jul;24(7):428–38.
4. Bongomin F, Gago S, Oladele R, Denning D. Global and Multi-National Prevalence of Fungal Diseases—Estimate Precision. *J Fungi*. 2017 Oct 18;3(4):57–8.
5. Kalista KF, Chen LK, Wahyuningsih R, Rumende CM. Karakteristik Klinis dan Prevalensi Pasien Kandidiasis Invasif di Rumah Sakit Cipto Mangunkusumo. *J Penyakit Dalam Indones*. 2017 Jun 22;4(2):56–9.
6. Taccone FS, Van den Abeele AM, Bulpa P, Misset B, Meersseman W, Cardoso T, et al. Epidemiology of invasive aspergillosis in critically ill patients: clinical presentation, underlying conditions, and outcomes. *Crit Care*. 2015 Dec 1;19(1):7–9.
7. Limper AH. The Changing Spectrum of Fungal Infections In Pulmonary and Critical Care Practice: Clinical Approach To Diagnosis. *Proc Am Thorac Soc*. 2010 May 15;7(3):163–8.
8. Danlami MB, Adefowepo AM, Manga SS, Yahaya TO, Mshelia MB, Kalgo ZM. Pulmonary mycoses among pulmonary tuberculosis in Kebbi State North Western Nigeria. *Egypt J Bronchol*. 2023 Aug 9;17(1):12–5.
9. José RJ, Brown JS. Opportunistic and fungal infections of the lung. *Medicine (Baltimore)*. 2012 Jun;40(6):335–9.
10. Fatmawati U, Dimas F, Azis A, Rumulus R. Mikosis Paru dengan TB MDR Riwayat Loss To Follow Up dan HIV Naive : Laporan Kasus pada Pasien CAP dan Pneumothorax Spontan Sekunder. 2023;23–6.
11. Li Z, Lu G, Meng G. Pathogenic fungal infection in the lung. *Front Immunol*. 2019;10(JUL):10–2.

12. Soedarsono S, Widoretno ETW. Aspergilloma pada Tuberkulosis Paru. *J Respirasi*. 2019;3(2):58–9.
13. Muhammad Sani F, Abdullahi IN, Sunday Animasaun O, Elisha Ghamba P, Umar Anka A, Oluwafemi Salami M, et al. Prevalence and Risk Factors of Pulmonary Fungal Pathogens among Symptomatic Patients with or without Tuberculosis at Gombe, Nigeria. *J Med Microbiol Infect Dis*. 2020 Jul 1;8(3):76–83.
14. Morales-Suárez-Varela MM, Olsen J, Johansen P, Kaerlev L, Guénel P, Arveux P, et al. Occupational Risk Factors for Mycosis Fungoides: A European Multicenter Case-Control Study. *J Occup Environ Med*. 2004 Mar;46(3):205–11.
15. Madhavan V, Muthu V, Sehgal IS, Dhooria S, Prasad KT, Aggarwal AN, et al. Malnutrition in Allergic Bronchopulmonary Aspergillosis complicating asthma. *Lung India*. 2023 Nov;40(6):563–6.
16. Asano K, Kamei K, Hebisawa A. Allergic bronchopulmonary mycosis - pathophysiology, histology, diagnosis, and treatment. *Asia Pac Allergy*. 2018 Jul;8(3):24–5.
17. Heung LJ, Wiesner DL, Wang K, Rivera A, Hohl TM. Immunity to fungi in the lung. *Semin Immunol*. 2023 Mar;66:101–6.
18. Desai J V., Lionakis MS. The Role of Neutrophils in Host Defense Against Invasive Fungal Infections. *Curr Clin Microbiol Reports*. 2018 Sep 22;5(3):181–9.
19. Chakraborti S, Sarkar J, Pramanik PK, Chakraborti T. Role of Proteases in Lung Disease: A Brief Overview. In: *Proteases in Human Diseases*. Singapore: Springer Singapore; 2017. p. 333–74.
20. Rozaliyani A. Aspergilosis Paru Dari Penyakit Hipersensitif Hingga Invasif. *Perhimpun Dr Paru Indones*. 2023;17–9.
21. Castro G, Días H. Neumonía por *Pneumocystis jirovecii* en paciente alcohólico inmunodeprimido. *Rev Cuba Med Intensiva Y Emergencias*. 2018;17(1810–2352):55–9.
22. Li Z, Tang J, Zhu J, Xie M, Huang S, Li S, et al. The convoluted process of diagnosing pulmonary mycosis caused by *Exophiala dermatitidis*: a case

- report. BMC Infect Dis. 2022 Dec 4;22(1):433–4.
23. Amiruddin, Pohan I. Hemoptisis Rekuren Akibat Mikosis Pulmonal (*Aspergillus Fumigatus* Dan *Candida Albicans*): Sebuah Laporan Kasus Recurrent Hemoptysis Due To Pulmonal Mycosis (*Aspergillus Fumigatus* and *Candida Albicans*): a Case Report. J Kedokt Ilmu Nafis. 2024;13(2):75–84.
 24. Sousa C, Marchiori E, Youssef A, Mohammed TL, Patel P, Irion K, et al. Chest Imaging in Systemic Endemic Mycoses. J Fungi. 2022 Oct 27;8(11):1132–4.
 25. Kumaresh A, Kumar M, Venkata Sai P, Thanasekaraan V, Dev B, Gorantla R. Back to Basics - 'Must Know' Classical Signs in Thoracic Radiology. J Clin Imaging Sci. 2015;5(1):43–5.
 26. Majdawati A, Inayati. Diagnostic Test of Chest Radiograph on Fungal Pneumoniae. Proc 4th Int Conf Sustain Innov 2020–Health Sci Nurs (ICoSIHSN 2020). 2021;33(ICoSIHSN 2020):228–33.
 27. Jing Y, Wei Q, Zeng H, Cheng R, Tian P, Li Y. The clinical features and prognosis of fungal pleural infection: A case series and literature review. Medicine (Baltimore). 2023 Dec 1;102(48):36–9.
 28. Jany B, Welte T. Pleural Effusion in Adults—Etiology, Diagnosis, and Treatment. Dtsch Arztebl Int. 2019 May 24;6–8.
 29. Walker CM, Abbott GF, Greene RE, Shepard JAO, Vummidi D, Digumarthy SR. Imaging Pulmonary Infection: Classic Signs and Patterns. Am J Roentgenol. 2014 Mar;202(3):479–92.
 30. Garg M, Prabhakar N, Gulati A, Agarwal R, Dhooria S. Spectrum of imaging findings in pulmonary infections. Part 2: Fungal, mycobacterial, and parasitic. Polish J Radiol. 2019 Apr 22;84:214–23.
 31. Nishino K, Sasatani Y, Satoh H. Disappearance of Pulmonary Cavity caused by Fungal Infection. Sultan Qaboos Univ Med J [SQUMJ]. 2021 Jun 20;17–20.
 32. Lee FYW, Mossad SB, Adal KA. Pulmonary Mucormycosis. Arch Intern Med. 1999 Jun 28;159(12):1301–4.
 33. Peterson MW, Jain R, Hildebrandt K, Carson WK, Fayed MA.

Differentiating Lung Nodules Due to *Coccidioides* from Those Due to Lung Cancer Based on Radiographic Appearance. *J Fungi*. 2023 Jun 1;9(6):641–5.

34. Schulze M, Vogel W, Spira D, Sauter A, Hetzel J, Horger M. Reduced Perfusion in Pulmonary Infiltrates of High-risk Hematologic Patients Is a Possible Discriminator of Pulmonary Angioinvasive Mycosis. *Acad Radiol*. 2012 Jul;19(7):842–50.
35. Njovu IK, Musinguzi B, Mwesigye J, Kassaza K, Turigurwa J, Nuwagira E, et al. Status of pulmonary fungal pathogens among individuals with clinical features of pulmonary tuberculosis at Mbarara University Teaching Hospital in Southwestern Uganda. *Ther Adv Infect Dis*. 2021 Jan 31;8:34–7.
36. Basem Abbas Al U. The Radiological Diagnosis of Pulmonary Tuberculosis (TB) in Primary Care. *J Fam Med Dis Prev*. 2018 Mar 31;4(1):4–8.
37. Horvath JA, Dummer S. The use of respiratory-tract cultures in the diagnosis of invasive pulmonary aspergillosis. *Am J Med*. 1996 Feb;100(2):171–8.
38. Vangara A, Gullapalli D, Depa JK, Kolagatla S, Ali M, Ganti SS. Beware of the Acute Respiratory Distress Syndrome in a Pulmonary Blastomycosis! *J Investig Med High Impact Case Reports*. 2024 Jan 20;12:23–5.
39. Lukman. Karakter Usia Lukman Nul Hakim. *Urgensi Revisi Undang tentang Kesejaht Lanjut Usia*. 2018;11(1):47–8.
40. Khanna D, Peltzer C, Kahar P, Parmar MS. Body Mass Index (BMI): A Screening Tool Analysis. *Cureus*. 2022 Feb 11;23–5.
41. Valderas JM, Starfield B, Sibbald B, Salisbury C, Roland M. Defining Comorbidity: Implications for Understanding Health and Health Services. *Ann Fam Med*. 2009 Jul 1;7(4):357–63.
42. Soraci L, Beccacece A, Princiotta M, Villalta Savedra E, Gambuzza ME, Aguenouz M, et al. The emerging links between immunosenescence in innate immune system and neurocryptococcosis. *Front Immunol*. 2024 Aug 20;15:34–7.
43. Chairista IP. Profil Jamur yang Diisolasi dari Saluran Pernapasan Pasien yang Menjalani Pemeriksaan Mikologi di Laboratorium Parasitologi FKUI RSCM. *Univ Indones*. 2012;49–50.

44. Ummah MS. Prevalensi penemuan jamur pada sputum terduga tuberkulosis paru yang diperiksa di RSUP DR. M. Djamil Padang. *Sustain*. 2019;11(1):1–14.
45. Ahmed MM, Farghaly AA, Raafat RH, Abd Elsattar WM. Study of the prevalence and pattern of fungal pneumonias in respiratory intensive care units. *Egypt J Bronchol*. 2019 Dec 25;13(4):545–50.
46. Jenks JD, Prattes J, Wurster S, Sprute R, Seidel D, Oliverio M, et al. Social determinants of health as drivers of fungal disease. *eClinicalMedicine*. 2023 Dec;66:102–3.
47. Gupta R, Singla P, Goel N, Gupta A, Singh P, Gupta R. Screening for pulmonary mycosis. *Egypt J Chest Dis Tuberc*. 2021 Apr;70(2):249–53.
48. Setianingrum F, Rozaliyani A. The body mass index profiles in chronic pulmonary aspergillosis: trend and variability in post tuberculosis patients. *Qanun Med - Med J Fac Med Muhammadiyah Surabaya*. 2024 Jan 9;8(01):12–5.
49. Nugratama KA, Raharjo AF, Mashuri YA. Risk Factors for Pulmonary Mycosis in Immunocompromised Patients in Surakarta, Indonesia. *Smart Med J*. 2024;7(1):20.
50. Tashiro M, Takazono T, Izumikawa K. Chronic pulmonary aspergillosis: comprehensive insights into epidemiology, treatment, and unresolved challenges. *Ther Adv Infect Dis*. 2024 Jan 18;11:24–7.
51. Chen M, Xu Y, Hong N, Yang Y, Lei W, Du L, et al. Epidemiology of fungal infections in China. *Front Med*. 2018 Feb 11;12(1):58–75.
52. Han SB, Kim S koo, Bae EY, Lee JW, Yoon JS, Chung NG, et al. Clinical Features and Prognosis of Invasive Pulmonary Aspergillosis in Korean Children with Hematologic/Oncologic Diseases. *J Korean Med Sci*. 2015;30(8):11–21.
53. Yang B, Kim T, Ryu J, Park H, Hwangbo B, Kong SY, et al. Increased Incidence and Associated Risk Factors of Aspergillosis in Patients with Bronchiectasis. *J Pers Med*. 2021 May 17;11(5):422–3.
54. Kaur R, Mehra B, Dhakad MS, Goyal R, Dewan R. Pulmonary aspergillosis as opportunistic mycoses in a cohort of human immunodeficiency virus-

- infected patients: Report from a tertiary care hospital in North India. *Int J Health Sci (Qassim)*. 2017;11(2):45–50.
55. Zhang J, Gao XL, Wu J, Chen JJ. Clinical characteristics and outcomes of pleural aspergillosis: a review of 13 cases. Krysan DJ, editor. *Microbiol Spectr*. 2024 Apr 2;12(4):4–6.
56. Tong X, Cheng A, Xu H, Jin J, Yang Y, Zhu S, et al. *Aspergillus fumigatus* during COPD exacerbation: a pair-matched retrospective study. *BMC Pulm Med*. 2018 Dec 3;18(1):55–8.
57. Luo B ling, Zhang L meng, Hu C ping, Xiong Z. Clinical analysis of 68 patients with pulmonary mycosis in China. *Multidiscip Respir Med*. 2011;6(5):278–9.
58. Ambalathingal GR, Francis RS, Smyth MJ, Smith C, Khanna R. BK Polyomavirus: Clinical Aspects, Immune Regulation, and Emerging Therapies. *Clin Microbiol Rev*. 2017 Apr;30(2):503–28.
59. Bao J, Liu C, Dong Y, Xu Y, Wang Z, Sun K, et al. Clinical Manifestations of Pulmonary Mucormycosis in Recipients of Allogeneic Hematopoietic Stem Cell Transplantation: A 21-Case Series Report and Literature Review. *Can Respir J*. 2022;2022:45–8.
60. Gambaran Klinis Pasien Terduga Tuberkulosis Paru Resisten Obat (TB-RO) dengan Kolonisasi *Candida* sp. di Rumah Sakit Hasan Sadikin Bandung. *J Penyakit Dalam Indones*. 2024 Mar 31;11(1):5–8.
61. Dwianggita P. ETIOLOGI EFUSI PLEURA PADA PASIEN RAWAT INAP DI RUMAH SAKIT UMUM PUSAT SANGLAH, DENPASAR, BALI TAHUN 2013. *Intisari Sains Medis*. 2016 Dec 15;7(1):57–66.
62. Yan L, Rohra P, Cheng L, Gattuso P. Pleural Effusion in Pulmonary and Extrapulmonary Blastomycosis. *Acta Cytol*. 2020;64(3):241–7.
63. Zhao J, Shi Y, Yuan D, Shi Q, Wang W, Su X. A case report of fungal infection associated acute fibrinous and organizing pneumonitis. *BMC Pulm Med*. 2020 Dec 20;20(1):98–100.
64. Setianingrum F, Rozaliyani A, Adawiyah R, Syam R, Tugiran M, Sari CYI, et al. A prospective longitudinal study of chronic pulmonary aspergillosis in pulmonary tuberculosis in Indonesia (APICAL). *Thorax*. 2022

Aug;77(8):821–88.

65. Schwarz C, Brandt C, Whitaker P, Sutharsan S, Skopnik H, Gartner S, et al. Invasive Pulmonary Fungal Infections in Cystic Fibrosis. *Mycopathologia*. 2018 Feb 1;183(1):33–43.
66. Huang SF, Huang CC, Chou KT, Chan YJ, Yang YY, Wang FD. Chronic Pulmonary Aspergillosis: Disease Severity Using Image Analysis and Correlation with Systemic Proinflammation and Predictors of Clinical Outcome. *J Fungi*. 2021 Oct 7;7(10):842–3.
67. González Á. The Therapy of Pulmonary Fibrosis in Paracoccidioidomycosis: What Are the New Experimental Approaches? *J Fungi*. 2020 Oct 11;6(4):217–8.
68. Bachh A, Haq I, Gupta R, Varudkar H, Ram Mohan B. Pulmonary candidiasis presenting as mycetoma. *Lung India*. 2008;25(4):165–6.
69. Denning D, Pleuvry A, Cole D. Global burden of chronic pulmonary aspergillosis as a sequel to pulmonary tuberculosis. *Bull World Health Organ*. 2011 Dec 1;89(12):864–72.
70. Matsuda J da S, Wanke B, Balieiro AA da S, Santos CS da S, Cavalcante RC dos S, Muniz M de M, et al. Prevalence of pulmonary mycoses in smear-negative patients with suspected tuberculosis in the Brazilian Amazon. *Rev Iberoam Micol*. 2021 Jul;38(3):111–8.

