

DAFTAR PUSTAKA

- American Cancer Society. 2018. Cancer fact and figures 2018. (<http://www.who.int/mediacentre/factsheets/fs297/en/index.html>), diakses 7 Januari 2019)
- Anonim, 2016. Bosphore C. albicans detection V 1 Kit insert
- Ashbee H.R and Gilleece M.H. 2014. Pharmacogenomics of Antifungal Agents. Handbook of Pharmacogenomics and Stratified Medicine. Elsevier In., pp: 879-900
- Auberger J., Florl C., Ulmer H., Semenitz E.N., Clausen J., Gunsilius E., Einsele H. Shakiba E *et al.* 2008. Significant alterations in the epidemiology and treatment outcome of invasive fungal infections in patients with hematological malignancies. *International Journal Hematology*.88(5),pp:508-515
- Badiee P., Kordbacheh P., Alborzi A., Malekhoseini M., Ramzi M., Mirhendi H., *et al.* 2009. Study of invasive fungal infection in immunocompromised pasients to present a suitable early diagnostic procedure. *International Journal of Infectious Disease*. 13, pp: 97-102.
- Badiee P., Zareifar S., Haddadi P. and Jafarian H. 2017. Incidence of fungal infections in pediatric patients with hematologic neoplasms. *Archives of Pediatric Infectious Diseases*. Published online January. Doi:10.5812/pedinfect.41317
- Baron E.J., Miller J.M., Weinstein M.P., Richter S.S., Gilingan P.H., Thompson R.B., Bourbeau P., *et al.* 2013. A Guide to Utilization of The Mycrobiology Laboratory for Doagnosis of Infectious Disease: 2013recomendations by the Infectious Diseases Society of America (IDSA) and the American Society for microbiology (ASM). *Clinical infectious Disease*. 57(4),pp: 22-121
- Bartlett A.W., Cann M.P., Yeoh D.K., Bernard A., Ryan A.L., Blyth C.C. and Clark J.E. 2018. Epidemiology of invasive fungal infections in immunocompromised children; an Australian national 10-year review. *Pediatric Blood & Cancer*, e27564. doi:10.1002/pbc.27564
- Beirao F. and Araujo R. 2012. State of the art diagnostic of mold diseases: a practical guide for clinicians. *European Journal of Clinical Microbiology & Infectious Diseases*. 32(1),pp:3–9. doi:10.1007/s10096-012-1722-7.
- Berkowitz F.E. and Jerrys R.C. 2016. Mycology. *Practical Medical Microbiology for Clinicians*. Canada. John Willey & Sons Inc., pp:259-302
- Betts R., Glasmacher A., Maertens J., Maschmeyer G., Vazquez J.A. and Teppler H. 2006. Efficacy of caspofungin against invasive candida or invasive aspergillus infections in neutropenic patients. *Cancer*. 106, pp:466-473.
- Bhatt V.R., Viola G.M. and Ferrajoli A. 2011. Invasive fungal infection in acute leukemia. *Therapeutic Advances in Hematology*. 2(4),pp: 231-247.

- Bhat Y.R., Kousika P., Lewsi L. and Purkayasta J. 2018. Prevalence and Severity of Thrombocytopenia in Blood Culture Proven Neonatal Sepsis : A Prospective Study. *Archives of Pediatric Infectious Diseases*.6(2), pp: 12471-12479
- Biswal S. and Godnaik C. 2013. Incidence and management of infections in patients with acute leukemia following chemotherapy in general wards. *ecancer*. 7,pp:310-326
- Bow E.J. 2008. Considerations in the approach to invasive fungal infection in patients with haematological malignancies. *British Journal of Haematology*. 140,pp:133-152.
- Buchner T., Fegeler W., Bernhardt H., Brockmeyer N., Duswald K.H., Herrmann M., Heuser D *et al.* 2002. Treatment of severe candida infections in high risk patients in Germany: consensus formed by a panel of interdisciplinary investigators. *European Journal of Clinical Microbiology & Infectious Diseases*. 21(5),pp:337-352. doi:10.1007/s10096-002-0730-4
- Chamilos G., Luna M., Lewis R.E., Bodey G.P., Chemaly R., Tarrand J.J., Safdar A *et al.* 2006. Invasive fungal infections in patients with hematologic malignancies in a tertiary care cancer center: an autopsy study over a 15-year period (1989-2003). *Haematologica*. 91,pp: 986-989.
- Chandran R., Hakki M. and Spurgeon S. 2012. Infections in Leukemia. Sepsis – An Ongoing and Significant Challenge. pp: 333-368
- Cinausero M., Aprile G., Ermacora P., Basile D., Vitale M. G., Fanotto V. and Sonis S. T. 2017. New Frontiers in the Pathobiology and Treatment of Cancer Regimen-Related Mucosal Injury. *Frontiers in Pharmacology*, 8. doi:10.3389/fphar.2017.00354
- Clancy C.J. and Nguyen M.H. 2018. Non culture diagnostics for invasive candidiasis: Promise and Unintended Consequences. *Journal Fungi*. 4(1).
- Cornelia L.F., Mutschlechner W., Aigner M., Grif K., Marth C., Girschikofsky M., Grander W *et al.* 2013. Utility of PCR in diagnosis of invasive fungal infections: real life data from a multicenter study. *Journal of Clinical Microbiology*. 51, pp:863-868. doi:10.1128/JCM.02965-12
- Coutre S.E. 2014. Acute Lymphoblastic leukemia in adult. In: Greer J.P., Arber D.A., Glader B., List A.F., Means R.T., Paraskevas F., Rodgers G.M. (eds). *Wintrobe's Clinical Hematology*. 13th ed. Philadelphia: Lippincott Williams & Wilkins, pp:1556-1576.
- Crawford J., Dale D.C. and Lyman G.H. 2004. Chemotherapy-induced neutropenia. *Cancer*, 100(2), pp:228-237. doi:10.1002/cncr.11882
- Dahlan M.S. 2009. *Penelitian Diagnostik : Dasar-Dasar Teoritis dan Aplikasi dengan Program SPSS dan Stata*. Jakarta: Salemba Medika, pp:19-96
- Davis A.S., Viera A.J. and Mead D.M., 2014. Leukemia: An overview for primary care. *American Family Physician*. 89(9),pp: 731-738

- Eggimann P., Bille J. and Marchetti O. 2011. Diagnosis of invasive candidiasis in the ICU. *Annals of Intensive Care* 2011. pp:1-37
- Fiegl M. 2016. Epidemiology, pathogenesis, and etiology of acute leukemia. In : Hiddemann W. *Handbook of Acute Leukemia*. Springer International Publishing, Switzerland, pp:1-12.
- Geoghegan I., Steinberg G. and Gurr S. 2017. The role of the fungal cell wall in the infection of plants. *Trends in Microbiology*. 25(12),pp:957–967. doi:10.1016/j.tim.2017.05.015
- Hamid G.A. 2011. Classification of Acute Leukemia. Acute Leukemia- The Scientist's Perspective and Challenge. pp: 1-18
- Hammond S.P., Marty F.M., Bryar J.M., DeAngelo D.J. and Baden L.R. 2010. Invasive fungal disease in patients treated for newly diagnosed acute leukemia. *American Journal Hematology*. 85.pp: 695-699.
- Hettick J.M., Green B.J., Buskirk A.D., Kashon M.L., Slaven J.E., Janotka E., Blachere F.M. *et al.*, 2008. Discrimination of *Aspergillus* isolates at the species and strain level by matrix assisted laser desorption/ionization time of flight mass spectrometry fingerprinting. *Journal of Analytical Biochemistry*. 380(2), pp:276-281
- Hsiao H.H., Tsai H.J., Liu Y.C., Tseng Y.T., Lu P.L., Yang W.C., Liu T.C. *et al.* 2006. Invasive fungal infection in patients with acute leukemia. *Kaohsiung Journal of Medical Sciences*. 22.pp:217-222.
- Jarvis S., Tisdall J., Oades M., Six J., Gregorich E. and Kögel-Knabner I. 2012. Landmark papers. *European Journal of Soil Science*. 63(1.),pp:1–21. doi:10.1111/j.1365-2389.2011.01408.x
- Kementrian Kesehatan RI. depkes.go.id. [Online].; 2015 (2017 September. Available from: <http://www.depkes.go.id/resources/download/pusdatin/infodatin/infodatin-kanker.pdf>.
- Kementrian Kesehatan RI. depkes.go.id. [Online].; 2016 (2017 September. Available from: <http://www.depkes.go.id/article/print/16021600001/kendalikan-kanker-pada-anak.html>.
- Khot P.D. and Fredrick D.N. 2009. PCR Based Diagnosis of Human Fungal Infections. *National Institute of Health*. 7(10), pp: 1201-1221
- Kozel T.R. and Wickes B. 2014. Fungal diagnostics. *Cold Spring Harbor Perspective Medicine*. doi: 10.1101/cshperspect.a019299
- Kubista M., Andrade J.M., Bengtson M., Forootan A., Jonak J., Lind K., Sindeika R. *et al.* 2006. The Real-time polymerase chain reaction. *Molecular Aspects of Medicine*. 27, pp:95-125.
- Lamy B., Dargere S., Arendrup M.C., Parienti J.J., and Tatevin P. 2016. How to optimize the use of blood culture for the diagnosis of bloodstream infections? A state of the Art. *Journal Frontier of Microbiology*. 7, pp:697-1385

- Larson R.A. 2018. Acute lymphoblastic leukemia. In: Press C.W., Lichtman M.A. and Leonard J.P. (eds). *Williams Hematology Malignant Lymphoid Diseases*. New York: McGraw Hill Education, pp:13-36.
- Leclair S.J. and Rodak B.F. 2012. Acute leukemia. In : Rodak B.F., Fritsma G.A. and Keohane E.M. (eds). *Hematology Clinical Principal and Applications*. Missouri: Saunders Elsevier Inc., pp:546-557.
- Leventakos K., Lewis R.E. and Kontoyiannis D.P. 2010. Fungal infections in leukemia patients: how do we prevent and treat them?. *Clinical Infectious Diseases*. 50, pp:405-415.
- Lien M.Y., Chou C.H., Lin C.C., Bai L.Y., Chiu C.F., Yeh S.P. and Ho M.W. 2018. Epidemiology and risk factors for invasive fungal infections during induction chemotherapy for newly diagnosed acute myeloid leukemia: A retrospective cohort study. *Journal PLOS ONE* 13(6): e0197851
- Liesveld J. 2012. *Targeting Myelogenous Leukemia Stem Cells: Role of the Circulation*. *Frontiers in Oncology*, 2
- Longo D.L. 2017. Malignancies of lymphoid cell. In: Kasper D.L., Hauser S.L., Jameson J.L., Fauci A.S., Longo D.L., Joseph L. (eds). *Harrison's Hematology and Oncology*. 3rd ed. New York: McGraw Hill Education, pp:193-215.
- Marcucci G. and Bloomfield C.D. 2017. Acute myeloid leukemia. In: Kasper D.L., Hauser S.L., Jameson J.L., Fauci A.S., Longo D.L., Joseph L. (eds). *Harrison's Hematology and Oncology*. 3rd ed. New York: McGraw Hill Education, pp:168-179.
- Mitchell. 2013. Mycology. In: Brooks G.F., Carrol K.C., Butel J.S., Morse S.A. and Mietzner T.A. (eds). *Medical Microbiology*. 26th ed. United State: McGraw-Hill Companies, pp:671-710.
- Murray P.R., Rosenthal K.S. and Pfaller M.A. 2009a. General principal of Laboratory Diagnosis. In: Schimtt W. and DeFrancesco K. (eds). *Medical Microbiology*. 6th ed. Mosby Elsevier, pp: 157-169
- Murray P.R., Rosenthal K.S. and Pfaller M.A. 2009b. Mycology. In: Schimtt W. and DeFrancesco K. (eds). *Medical Microbiology*. 6th ed. Mosby Elsevier, pp:679-790
- Nayak R., Rai S. and Gupta A. 2017. *Essentials in hematology and clinical pathology*. 2nd ed. New Delhi: Jaypee Brothers Medical Publishers, pp:147-169.
- Nguyen M.H., Shields R.M., Wissel. M.C., Cheng S, Shields R.K., Mitsani D., Salomoni M.A. *et al.* 2012. Performance of Candida Real-time Polymerase Chain Reaction, bD-Glucan Assay, and Blood Cultures in the Diagnosis of Invasive Candidiasis. *Clinical Infectious Diseases*.54(9), pp:1240–1248
- Pagano L., Caira M., Candoni A., Offidani M., Fianchi L., Martino B., Pastore D *et al.* 2006. The epidemiology of fungal infections in patients with hematologic malignancies: the SEIFEM-2004 study. *Haematologica*. 91,pp:1068-1075.

- Pauw B.D., Walsh T.J., Donnelly J.P., Stevens D.A., Edwards J.E., Calandra T., Pappas P.G. *et al.* 2008. Revised definitions of invasive fungal disease from the European organization for research and treatment of cancer/ invasive fungal infections cooperative group and the national institute of allergy and infectious diseases mycoses study group (EORTC/MSG) consensus group. *Clinical Infectious Disease*. 46,pp:1813–1821.
- Prabhas M. and Meehan K.R. 2001. The Acute leukemias. *Hospital Physician*. pp:37-44
- Prentice H.G., Kibbler C.C. and Prentice A.G. 2000. Towards a targeted, risk based, antifungal strategy in neutropenic patients. *British Journal of Haematology*. 110, pp:273-284.
- Ramanan P., Wengenack N.L. and Theel E.S. 2017. Laboratory diagnostics for fungal infections a review of current and future diagnostic assays. *Clinics in Chest Medicine*. pp:1-20.
- Richardson M.D. and Warnock D.W. 2012. *Fungal Infection: Diagnosis and Management, Fourth Edition*. 4th ed. Chichester: Wiley-Blackwell Publishing Inc. DOI: 10.1002/9781118321492
- Riedel S., Bourbeau P., Swartz B., Brecher S., Carrol K.C., Stamper P.D., Dunne W.M., *et al.* 2008. Timing of Specimen Collection for Blood Cultures from Febrile Patients with Bacteremia. *Journal of Clinical Microbiology*. 46(4), pp:1381-1385
- Romani L. 2011. Immunity to Fungal Infections. *Journal Immunology*, 1, pp:275-288
- Singh N. 2001. Trends in the epidemiology of opportunistic fungal infections: predisposing factors and the impact of antimicrobial use practices. *Clinical Infectious Disease*. 33, pp:1692-1696.
- Sung L., Gamis A., Alonzo T.A., Buxton A., Britton K., Deswarte-Wallace J. and Woods W.G. 2009. Infections and association with different intensity of chemotherapy in children with acute myeloid leukemia. *Cancer*. 115, pp:1100-1108.
- Tang J.L., Kung H.C., Lei W.C., Yao M., Wu U., Hsu S.C., Lin C.T., *et al.* 2015. High Incidences of Invasive Fungal Infections in Acute Myeloid Leukemia Patients Receiving Induction Chemotherapy without Systemic Antifungal Prophylaxis: A Prospective Observational Study in Taiwan. *Journal Pone*. pp:1-13
- Teranishi H. and Ouchi K. 2014. Detection of bacteria, fungi, and viruses by a rt-PCR assay using universal primers and probes from blood in patients with febrile neutropenia. *Kawasaki Medical Journal*. 40(1), pp:1-11. Doi:10.11482/KMJ-E40(1)1
- Thomphon M.A. and Dave U.P. 2014. Molecular genetic of acute leukemia. In: Greer J.P., Arber D.A., Glader B., List A.F., Means R.T., Paraskevas F., Rodgers G.M. (eds). *Wintrobe's Clinical Hematology*. 13th ed. Philadelphia: Lippincott Williams & Wilkins, pp:1523-1555
- United States Cancer Statistics. 2014. Available from: <https://nccd.cdc.gov/uscs/> (diunduh Desember 2018).

- Valero C., Villar L.C., Zaragoza O. and Buitrago M.J. 2016. A new panfungal rt-PCR assay for the diagnosis of invasive fungal infections (IFIs). *Journal of Clinical Microbiology*. Doi:10.1128/JCM.01580-16
- Vasicek E.M., Berkow E.L., Bruno V.M., Mitchell A.P., Wiederhold N.P., Barker K.S. and Rogers P.D. 2014. Disruption of the transcriptional regulator Cas5 results in enhanced killing of candida albicans by fluconazole. *American Society for Microbiology*. 13(7), pp: 933-946. DOI: 10.1128/AAC.00064-14.
- Vidal C.G., Viasus D. and Carratala J. 2013. Pathogenesis of Invasive Fungal Infections. *co-infectiousdiseases*,26(3), pp: 270-276
- Wickes B.L. and Wiederhold N.P. 2018. Molecular diagnostic in medical mycology. *Journal Nature Communications*. 9(1):5135
- World Health Organization. 2018. Cancer. (<http://www.who.int/mediacentre/factsheets/>), diakses 7 Januari 2019
- Wong O., Harris F., Armstrong T.W. and FuHua. 2010. A hospital based case control study of acute myeloid leukemia in Shanghai: Analysis of environmental and occupational risk factors by subtypes of the WHO classification. *Chemico Biological Interactions*. 184, pp:112-128.
- Yusuf Z.K. 2010. Polimerase Chain Reaction (PCR). Saintek. Vol. 5. No.6
- Zeller I., Gurtner C.S., Mihalits V., Selitsch B., Barousch W., Hirschl A.M., Makristathis A et al. 2017. Detection of fungal pathogens by a new broad range rt-PCR assay targeting the fungal ITS2 region. *Journal of Medical Microbiology*. 66, pp:1383–1392. Doi: 10.1099/jmm.0.000575