

## DAFTAR PUSTAKA

- Abdalla, *et. al.* (2016). Interleukin-10 Family and Tuberculosis : An Old Story Renewed. *International Journal of Biological Sciences* 12(6), 710-717.
- Ahmad, *et. al.* (2011). Pathogenesis, Immunology, and Diagnosis of Latent Mycobacterium tuberculosis Infection. *Clinical and Developmental Immunology*.
- Amalia E, Nindatama M.R, Hayati L, Handayani D. (2015). Identifikasi Mutasi *Gen rpob Ser531Leu Mycobacterium tuberculosis* yang Berhubungan Dengan Resistensi Rifampisin. *Biomedical Journal of Indonesia, Vol.1 No.1*.
- Amer G.A, El-Gazzar A.G. (2008). Circulating IL-18 and osteoponin in pulmonary tuberculosis patients and their correlation with disease activity. *Egyptian Journal of Medical Microbiology Volume 17(3)*.
- Azad A.K, Sadee W, Schlesinger L.S. (2012). Innate Immune Gene Polymorphisms in Tuberculosis. *Journals.ASM.org Volume 80 Number 10, 3343-3359*.
- Barnes P, Wizel B. (2000). Type 1 cytokines and the pathogenesis of tuberculosis. *American Journal of Respiratory and Clinical Care Medicine Vol. 161 No.6*.
- Butov D.O. (2015). Association of interleukin genes polymorphisms with multi-drug resistance tuberculosis in ukrainian population. *Pneumonologica via medica*
- Daoqun, *et. al.* (2017). Screening mutations in drug-resistant Mycobacterium tuberculosis strains in Yunnan, China. *Journal of Infection and Public Health* 10, 630-636.
- Dasilva P, Palomino J. (2011). Molecular basis and mechanisms of drug resistance in Mycobacterium tuberculosis: classical and new drugs. *Journal of Antimicrobial Chemotherapy, Volume 66, Issue 7, 1417-1430*.
- Davies, *et. al.* (2016). *Clinical Tuberculosis A Pratical Handbook*. Boca Raton: CRC Press.
- Depkes RI. (2007). Profil Kesehatan 2017. *Departemen Kesehatan RI*
- Dinareello, *et. al.* (2013). Interleukin-18 and IL-18 binding protein. *Frontiers of Immunology*.

- Eum SY, Jeon BY, Min JH, Kim SC, Cho S, Park SK, Cho SN. (2008). Tumor necrosis factor-alpha and interleukin-10 in whole blood is association with disease progression in pulmonary multidrug-resistant tuberculosis patient. *Respiration Volume 76*; 331-337.
- Ferraz J.C, Melo F.B.S, Albuquerque M, Montenegro S.M, Abath F.G.C. (2006). Immune factors and immunoregulation in tuberculous. *Brazilian Journal of Medical and Biological Research Volume 39(11)*; 1387-1397.
- Fioranelli dan Roccia. (2014). Twenty-five years of studies and trials for the therapeutic application of IL-10 immunomodulating properties. From high doses administration to low dose medicine new paradigm. *Journal of Integrative Cardiology Vol.1*, 2-6.
- Fiorentino, et. al. (1989). Two types of mouse T helper cell: IV. Th2 clones secrete a factor that inhibits cytokine production by Th1 clones. *Journal of Experimental Medicine 170*, 2081-2095.
- Grosset dan Chaisson. (2017). *Handbook of Tuberculosis*. Switzerland: Springer.
- Handzel. (2013). *The Immune Response to Mycobacterium tuberculosis Infection in Humans, Tuberculosis-Current Issues in Diagnosis and Management, Dr. Bassam Mahboub (Ed)*. InTech.
- Heemskerk, et. al. (2015). *Tuberculosis in Adults and Children*. New York: Springer.
- Herawati S, Nugraha J. (2008). Paras IL-18 penderita TB paru dan perawat sehat beresiko tuberkulosis. *Indonesian Journal of Clinical Pathology and Medical Laboratory Volume 14 (2)*.
- Istiantoro Y, Setiabudy. (2007). *Farmakologi dan Terapi Edisi 5*. Jakarta: Balai Penerbit FKUI.
- Iyer dan Cheng. (2012). Role of Interleukin 10 Transcriptional Regulation in Inflammation and Autoimmune Disease. *Critical Reviews in Immunology 32(1)*, 23-63.
- Kemenkes RI (2014). *Pedoman Nasional Pengendalian Tuberkulosis*. Jakarta: Kemenkes RI.
- Knechel A.N. (2009). Tuberculosis: pathophysiology, clinical features and diagnosis. *Critical Care Nurse Journal Volume 29(2)*; 34-43.
- Lee, et. al. (2002). Profiles of IFN-g and its regulatory cytokines (IL-12, IL-18 and IL-10) in peripheral blood mononuclear cells from patients with

- multidrug-resistant tuberculosis. *Clinical & Experimental Immunology* 128, 516-524.
- Lihawa N, Yudhawati R. (2015). Hubungan kadar interleukin-10 dan tuberkulosis multi-drug resistant. *Jurnal Respirasi Volume 1. No.2*
- Lim Y.J, *et al.* (2016). Roles of endoplasmic reticulum stress-mediated apoptosis in M1-polarized macrophages during mycobacterial infection. *Scientific Reports*.
- Miranda N.S, Breiman A, Allain S, Deknuydt F, Altare F. (2011). The Tuberculous Granuloma: An unsuccessful host defense mechanisms providing a safety shelter for the bacteria?. *Clinical and Developmental Immunology Volume 2012*
- Nakahira, e. a. (2001). An Absolute Requirement for STAT4 and a Role for IFN- $\gamma$  as an Amplifying Factor in IL-12 Induction of the Functional IL-18 Receptor Complex. *The Journal of Immunology* 167 (3), 1306-1312.
- Nakahira, *et al.* (2002). Synergy of IL-12 and IL-18 for IFN- $\gamma$  Gene Expression: IL-12-Induced STAT4 Contributes to IFN- $\gamma$  Promoter Activation by Up-Regulating the Binding Activity of IL-18-Induced Activator Protein 1. *The Journal of Immunology* 168(3), 1146-1153.
- Nakamura. (1989). Endotoxin induced serum factor that stimulates gamma interferon production. *Infection Immunology* 57, 590-595.
- Ng, *et. al.* (2013). Regulation of adaptive immunity; the role of interleukin-10. *Frontiers in Immunology Vol. 4*.
- Nhamoyebonde S, Leslie A. (2014). Biological differences between the sexes and susceptibility to tuberculosis. *The Journal of Infectious Disease. Volume 209, 5100-5106*.
- O'Garra, Redford P.S, McNab F.W, Bloom C.I, Wilkinson R.J, Berry M. The Immune Response in Tuberculosis. (2013). *The Annual Review of Immunology Vol.31: 475-527*.
- Okamura. (1995). Cloning of a new cytokine that induces IFN- $\gamma$  production by T cells. *Nature* 378, 88-91.
- Peñaloza H.F, Noguera L.P, *et al.* (2018). Expanding the current knowledge about the role of interleukin-10 to major concerning bacteria. *Frontiers in Microbiology*.

- Pinheiro R.O, de Oliveira E.B, dos Santos G, Sperandio G.M, et al. (2013). Different immunosuppressive mechanisms in multidrug resistant tuberculosis and non tuberculous mycobacteria patients. *Clinical and experimental Immunology The Journal of Translational Immunology* Vol. 171; 210-219.
- Redford P.S, Murray P.J, O'Garra A. (2011). The role of IL-10 in immune regulation during M. tuberculosis infection. *Mucosal Immunology* Vol. 4(3).
- Riskesdas. (2013). *Riset Kesehatan Dasar*. Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI.
- Romero-Adrian, et. al. (2015). Role of cytokines and other factors involved in the Mycobacterium tuberculosis infection. *World of Journal Immunology* 5(1), 16-50.
- Schlossberg. (2011). *Tuberculosis and Nontuberculosis Mycobacterial Infection*. Washington: ASM Press.
- Shanmuganathan R, Shanmuganathan I.D. (2015). Clinical manifestation and risk factors of tuberculosis infection in malaysia: case study of a community clinic. *Global Journal of Health Science Volume* 7(4); 110-120.
- Shekar-Abi, et. al. (2004). The Study of Th1/Th2 Cytokine Profiles (IL-10, IL-12, IL-4, and IFN $\gamma$ ) in PBMCs of Patients with Multidrug Resistant Tuberculosis and Newly Diagnosed Drug Responsive Cases. *Tanaffos* 3(10); 25-31.
- Sulis, et. al. (2012). Tuberculosis : Epidemiology and Control. *Mediterranean Journal of Hematology and Infectious Disease* 6(1).
- Tjokronegoro, Arjatmo, 2007. *Metode Penelitian Bidang Kesehatan Edisi 1*. Jakarta. Balai Penerbit Fakultas Kedokteran Universitas Indonesia.
- Wang S, et al. (2017). Antibiotics induce polarization of pleural macrophages to M2-like phenotype in patients with tuberculous pleuritis. *Scientific Reports*.
- Wang Y, Hu C, Wang Z, Kong H, Xie W, Wang H. (2015). Serum IL-1 $\beta$  and IL-18 correlate with ESR and CRP in multi-drug resistant tuberculosis patients. *Journal of Biomedical Research* Vol. 29(5); 426-428.

- Wani R.L.S. (2013). Tuberculosis 2 : Patophysiology and microbiology of pulmonary tuberculosis. *South Sudan Medical Journal*.
- Wawrocki S, *et. al.* (2016). Interleukin 18 (IL-18) as a target for immune intervention. *Acta Biochimica Polonica Vol. 63*; 59-63.
- Wawrocki S, Druszczynska M. (2017). Inflammasomes in Mycobacterium tuberculosis-Driven Immunity. *Canadian Journal of Infectious Diseases and Medical Microbiology Volume 2017*.
- WHO. (2018). *Global Tuberculosis Report 2018*. WHO.
- Wibisono *et al.*, (2010). *Buku Ajar Ilmu Penyakit Paru* . Surabaya: IPP FK.Unair RSUD Dr. Soetomo .
- Wibowo, W. (2017). *Perbedaan Kadar Il-6 dan TNF- $\alpha$  Plasma Orang Sehat, Penderita Tuberculosis Paru Rifampicin Resistant dan Rifampicin Sensitive*. Surabaya: Universitas Airlangga; Karya Akhir.
- Yamada, *et. al.* (2000). Increased Levels of Circulating Interleukin-18 in Patients with Advanced Tuberculosis. *American Journal of Respiratory and Critical Care Medicine Vol. 161*, 1786-1789.
- TB Indonesia, 2012 dalam <http://www.tbindonesia.or.id/tb-mdr/>. Diakses pada tanggal 25 Februari 2018
- Todar, 2009 dalam <http://textbookofbacteriology.net/tuberculosis.html>. Diakses pada 03 Maret 2018