

DAFTAR PUSTAKA

- Aderaye, G., Haimanot, G.E., Abraham, A., Alemayehu, W., and Lars, L. 2007. Comparison of acid-fast stain and culture for *Mycobacterium tuberculosis* in pre- and post-bronchoscopy sputum and bronchoalveolar lavage in HIV-infected patients with atypical chest X-ray in Ethiopia. *Ann Thorac Med*. Vol 2(4): 154–157
- Aditama, T. 2002. *Tuberkulosis, Diagnosis, Terapi dan Masalahnya*. Ed ke 4. Jakarta: Yayasan Penerbit Ikatan Dokter Indonesia
- Alamelu, R. 2004. Immunology of Tuberculosis. *Indian J Med RES* pp 213-232
- Alteri, C.J., Cortes, J.X., Hess, S., Olin, G.C., Goron, J. A and Friedman, R.I. 2007. *Mycobacterium tuberculosis* Produced Pili During Human Infection. *PNAS*. Vol 104 (12): 5145-5150
- Amin, Z dan Bahar, A. 2014. Tuberkulosis paru. Dalam : Aru, W., Sudoyo, B.S., Idrus, A., Marcellus, S., Siti, S, ed. *Buku Ajar Ilmu Penyakit Dalam*. Edisi ke-6 Jilid I. Jakarta: Departemen Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Indonesia
- Andayani, S dan Yoni, A. 2017. Prediksi Kejadian Penyakit Tuberkolosis Paru Berdasarkan Usia di Kabupaten Ponorogo Tahun 2016-2020. *Indonesian Journal for Health Sciences*. Vol 01 (2):29-33
- Andersen, A.B and Brennan, P. 1994. Protein and Antigens of *Mycobacterium tuberculosis*. In: Bloom, B.R. (eds). *Tuberculosis Pathogenesis, Protection And Control*. Washington: American Society for Microbiology
- Anonim. 2002. What is New in The Diagnosis Of Tuberculosis : Techniques for Diagnosis of Tuberculosis. *ICMR Bulletin*. Vol 32 (8)
- Bandinelli, M and Friedman, H. 1988. *Mycobacterium tuberculosis* Interaction With the Immune System. New York: Plenum Press
- Bangs, L.B. 1988. Latex Agglutination Test. *American Clinical Laboratory News* Editon
- Baratawidjaja, K.G. 2004. *Imunologi Dasar*. Edisi 6. Jakarta : Balai Penerbit Fakultas Kedokteran Universitas Indonesia.

- Bhaskar, S., Banavaliker, J.N and Hanif, M. 2003. Large Scale Validation of Latex Agglutination Test for Diagnosis of Tuberculosis. ELSEVIER: FEMS Immunology and Medical Microbiology. Vol 39: 235-239
- Bhaskar, S., Jain, N.K and Mukherjee, R. 1996. Slide Agglutination Test For the Diagnosis of Pulmonary and Extra-Pulmonary Tuberculosis. Tubercle and Lung Disease. Vol 77: 160-163
- Bhaskar, S and Suvarna, B. 2014. Latex Agglutination Test (LAT) for Rapid Diagnosis of Acute Bacterial Meningitis. Pediatric Infectious Disease. Vol 6(4): 150-152
- Bhirud, P., Joshi, A., Hirani, N and Chowdhary, A. 2017. Rapid Laboratory Diagnosis of Pulmonary Tuberculosis. Int J Mycobacteriol. Vol 6: 296-301
- Blanco, S., Forne, M., Lacoma, A., Prat, C., Cuesta, M.A., Latorre, I., Viver, J.M., Fernandez, G., Molinos, S and Dominguez, J. 2008. Comparison of Stool Antigen Immunoassay Methods for Detecting *Helicobacter pylori* Infection Before and After Eradication Treatment. Diagnostic Microbiology and Infectious Disease. Vol 61: 150-155
- Bothamley, G.H. 1995. Serological diagnosis of tuberculosis. ERS Journals. Vol 20: 676s-688s
- Bruchfeld, J., Getachew, A., Ingela, B.P., Bjarne B., Gunilla K and Lars L. 2000. Sputum concentration improves diagnosis of tuberculosis in a setting with a high prevalence of HIV. Transactions Of The Royal Society Of Tropical Medicine And Hygiene. Vol 94: 677-680
- Brennan, P.J. 2003. Structure, Function, and Biogenesis of the Cell Wall of *Mycobacterium tuberculosis*. Elsevier Tuberculosis. Vol 83: 91-97
- Brodie, D., Neil, W and Schluger. 2005. The Diagnosis of Tuberculosis. Clin Chest Med. Vol 26: 247-271
- Brooks, G.F., Karen, C.C., Janet, S.B., Stephen, A.M., Timothy, A.M. 2010. Jawetz, Melnick and Adelberg. Mikrobiologi Kedokteran. Nugroho, A.W., penerjemah; Adityaputri, A., penyunting. Penerbit Buku Kedokteran: EGC
- Carney, J. 1990. Rapid Diagnostic Test Employing Latex Particles. Analytical Proceedings. Vol 27: 99-100
- Chan, E.C and Yang, M.Y. 2005. Method for Detection of *Mycobacterium Tuberculosis* Antigens in Biological Fluids. United States Patent Application Publication

- Crevel, R.V., Ottenhoff, T.H.M and Meer, J.W.M. 2002. Innate Immunity to *Mycobacterium tuberculosis*. Clin Micro Biol. Vol 15 (2): 294-309
- Cudahy, P and Shenoi, S. 2016. Diagnosis for Pulmonary Tuberculosis. Postgard Med J. Vol 92 (1086): 187-193
- Dahlan, M.S. 2000. Penelitian Diagnostik. Jakarta: Salemba medika
- Dai, Z., Liu, Z., Xiu, B., Yang, X., Zhao, P., Zhang, X., Duan, C., Que, H., Zhang, H and Feng, X. 2017. A Multiple-Antigen Detection Assay for Tuberculosis Diagnosis Based on Broadly Reactive Polyclonal Antibodies. Iran J Basic Med Sci. Vol 20: 360-367
- Danusantoso, H. 2012. Buku Saku Ilmu Penyakit Paru Ed ke 2. Jakarta: EGC
- Departemen Kesehatan Republik Indonesia. 2007. Pedoman Nasional Penanggulangan Tuberkulosis Ed ke 2 Cetakan Pertama. Jakarta
- Departemen Kesehatan Republik Indonesia .2011. Strategi Nasional Pengendalian TB di Indonesia tahun 2010-2014. Jakarta
- Dhingra, V.K., Aggarwal, N., Rajpal, S., Aggarwal, J.K and Gaur, S.N. 2003. Validity and Reliability of Sputum Smear Examination as Diagnostic and Screening Test for Tuberculosis. IJAAI. Vol 17 (2): 67-69.
- Djojodibroto, D. 2009. *Respirologi (Respiratory Medicine)*. Jakarta: Penerbit Buku Kedokteran
- Doern, G.V., Herrmann, J.E., Henderson, P., Walro, D.S., Perron, D.M and Blacklow, N.R. 1985. Detection of Rotavirus with a New Polyclonal Antibody Enzyme Immunoassay (Rotazyme II) and a Commercial Latex Agglutination Test (Rotalex): Comparison with a Monoclonal Antibody Enzyme Immunoassay. Journal Of Clinical Microbiology. Vol 23 (2): 226-229
- Dominguez, J., Forne, M., Blanco, S., Prat, C., Gali, N., Latorre, I., Viver, J.M and Ausina, V. 2006. Comparison of a Monoclonal WITH a Polyclonal Antibody Based Enzyme Immunoassay Stool Test in Diagnosing *Helicobacter pylori* Infection Before and After Eradication Therapy. Aliment Pharmacol Ther. Vol 23: 1735–1740
- Duboczy, B.O., and White, F.C. 1969. Further Studies With the Direct Latex Agglutination Test in Tuberculosis. Amer Rev Resp Dis. Vol 100: 364-371

- Ernst, J.D and Wolf, A. 2006. Phagocytosis of Bacteria and Bacterial Pathogenicity. In Advance Molecular and Cellular Microbiology (AMCM)., Editor. Ernst, J.D and Stendahl, O. Cambridge University Press
- European Center for Disease Prevention and Control (ECDC). 2016. Handbook on Tuberculosis Laboratory Diagnostic Method For the European Union. Stockholm: ECDC
- Gajalakshmi, V., Peto, R., Kanaka, T.S and Jha, P. 2003. Smoking and Mortality from Tuberculosis and other disease in India: Retrospective study of 43000 Adult male death and 35000 controls. The Lancet Vol. 362: 507-515
- Gordon, S.V and Parish, T. 2018. Microbe Profile: *Mycobacterium tuberculosis*: Humanity's Deadly Microbial Foe. Microbiology
- Hajian-Tilaki, K. 2014. Sample size estimation in diagnostic test studies of biomedical informatics. Elsevier: Journal of Biomedical Informatics. Vol 48: 193 – 204
- Harinath, B.C., Kumar, S., Roy, S.S., Hirudkar, S., Upadhye, V and Shende, N. 2006. A Cocktail of Affinity-Purified Antibodies Reactive with Diagnostically useful Mycobacterial Antigens ES-31, ES-43, and EST-6 for Detecting the Presence of *Mycobacterium tuberculosis*. Diagnostic Microbiology and Infectious Disease. Vol 55: 65-68
- Hendrianingtyas, M dan Suromo, L.B. 2013. Uji Diagnosis Basil Tahan Asam pada Sputum dan Immunochromatography Tuberkulosis Menggunakan Sampel Serum dan Darah Kapiler. Med Hosp. Vol 2 (1): 14-17
- Hernandez, P.R., Chacon, S.R., Serafin, L.J and Estrada, I. 2007. Immunology, Pathogenesis, Virulence. In: Palomina, J.C., Leao, S.C and Ritaceo, V (eds). TB 2007 from Basic Science to Patient Care. Brazil: Mycobacteriology Unit Institute of Tropical Medicine
- Hjelm, B. 2011. Epitope Mapping of Antibody Toward Human Protein Targets. Stockholm: Royal Institute of Technology
- Horton, K.C., MacPherson, P., Houben, R.M.G.J., White, R.G and Corbett, E.L. 2016. Sex Differences in Tuberculosis Burden and Notifications in Low- and Middle-Income Countries: A Systematic Review and Meta-analysis. PLoS Med 13 (9)
- Infodatin. 2015. Tuberkulosis Temukan Obati Sampai Sembuh. Kemenkes RI: PUSADATI;

- Kardjito, T.V.M. 1996. Host Defense Against Tuberculosis. Naskah Lengkap Seminar Nasional Tuberkulosis dan Lepra. Yogyakarta: Pusat Kedokteran Tropis Universitas Gadjah Mada
- Kemenkes RI. 2010. Riskesdas 2010: Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan RI. Jakarta
- Kemenkes RI. 2016. Profil Kesehatan Indonesia Tahun 2015. Jakarta
- Kemenkes RI. 2016. Tuberkulosis: Temukan Obat Sampai Sembuh. Info Datin; Pusat Data dan Informasi Kementerian Kesehatan RI
- Kemenkes RI. 2017. Data dan Informasi Profil Kesehatan Indonesia 2016. Jakarta
- Mahat, M., Abdullah, W.Z and Husin, C.M. 2014. Conventional Rapid Latex Agglutination in Estimation of Von Willebrand Factor: Method Revisited and Potential Clinical Applications. *Journal of Immunology Research*
- Marciniuk, D.D., Brian., Nab, M., Tom, M and Vernon. 1999. Detection of Pulmonary Tuberculosis in Patients with a Normal Chest Radiograph*. *CHEST*. Vol 115: 445-452
- Martin, P.K and Naylor, R.D. 1994. A latex Agglutination Test for the Quantitative Detection of *Clostridium perfringens* Epsilon Toxin. *Res Vet Sci*. Vol 56: 259-261
- Medjahed, H., Gailland, J.L and Reyrat, J.M. 2009. *Mycobacterium abscessus*: a New Player in the Mycobacterial Field. *Trend in Microbiology*. Vol 18 (3)
- Mernaugh, R.L., Mernaugh, G.R and Kovacs, G.R. 1990. The Immune Respons: Antigen, Antibodies, Antigen-Antibody Interaction, in *Serological Methods for Detection and Identification of Viral and Bacterial Plant Pathogens*. St Paul. APS Press
- Muchtar, N.H., Deddy, H dan Yulistini. 2018. Gambaran Faktor Risiko Timbulnya Tuberkulosis Paru pada Pasien yang Berkunjung ke Unit DOTS RSUP Dr. M. Djamil Padang Tahun 2015. *Jurnal Kesehatan Andalas*. Vol 7 (1)
- Muzaffar, R., Batool, S., Azis, A., Naqvi, A and Rizvi, A. 2002. Evaluation of the *FAST PLAQUETB* Assay for Direct Detect Ion of *Mycobacterium tuberculosis* in Sputum Specimens. *Int J Tuberc Lung Dis*. Vol 6 (7): 635-40
- Patil, A and Desai, P. 2017. Comparison of Rapid Slide Culture adn Conventional LJ Method for Detection of TB From Suspected Cases of Tuberculosis. *World Journal of Pharmaceutical Research*. Vol 6 (4): 1156-1161

- PDPI. 2006. Tuberkulosis : Pedoma Diagnosis dan Penatalaksanaan di Indonesia. Perhimpunan Dokter Paru Indonesia
- Pereira, L.M., Nguyen, L.N., Ho, L.M., Kuijper, S., Jansen, H.M and Kolk, A.H. 2000. Development of Antigen Detection Assay for Diagnosis of Tuberculosis Using Sputum Samples. *Journal of Clinical Microbiology*. Vol 38 (6): 2278-2283
- Pierre, K., Lecossier, D., Boussougant, Y., Bocart, D., Joly, V., Yeni, P and Hance, A.J. 1991. Use of a Reamplification Protocol Improves Sensitivity of Detection of *Mycobacterium tuberculosis* in Clinical Samples by Amplification of DNA. *Journal Of Clinical Microbiology*. Vol 29 (4): 712-717
- Prasetya, H., Purnomo, B. B., Mintaroem, K., and Prawiro, S. R. 2018. Sensitivity and specificity of 47 kDa polyclonal antibody for detection of bladder cancer cells in urine of hematuria patients. *African Journal of Urology*. 24(4) : 264–269
- Putra, W.G.A., Sutarga, M., Kardiwinata, M.P., Suariyani, N.L.P., Septriani, W dan Subrata, M. 2016. Modul Penelitian Uji Diagnostik dan Skrining. FK Udayana
- Ramsugit, S., Pillay, B and Pillay, M. 2016. Evaluation of the Role of *Mycobacterium tuberculosis* pili (MTP) as an Adhesin, Invasin, and Cytokine Inducer of Epithelial Cell. *Brozz J Infect Dis*. 20 (2): 160-165
- Rao, S. 2009. Tuberculosis and Patient Gender: An analysis and its Implications in Tuberculosis Control. *Lung India*. Vol 26
- Riset Kesehatan Dasar (Riskesdas). 2013. Badan Penelitian dan Pengembangan Kesehatan Kementerian RI tahun 2013. Jakarta
- Ryu, Y.J. 2015. Diagnosis of Pulmonary Tuberculosis: Recent Advances and Diagnostic Algorithms. *Korean Academy of Tuberculosis and Respiratory Disease*. (78) 64-71
- Sastroasmoro, S dan Ismael, S. 2011. Dasar-Dasar Metodologi Penelitian Klinis. Ed ke4. Jakarta: Sugung Seto
- Silo, W.K., Wongkar, M.C.P dan Langi, Y.A. 2015. Angka Kejadian Merokok Pada Pasien TB Paru Yang Berobat Di Poliklinik Dots Pada Bulan November 2014. *Jurnal e-Clinic*. Vol 3(1)
- Silva, D.R., Marcela, M.T., Raquel, D., Tatiana, G., Eduardo, H.B., Flavio, F.A., Marcos, A.A., Valeria, M.A., Marcelo, F.R and Fernanda, C.Q.M. 2018. Risk

- Factors for Tuberculosis: Diabetes, Smoking, Alcohol Use, and the Use of Other Drugs. *J Bras Pneumol*. 44(2): 145-152
- Smith, I. 2003. *Mycobacterium tuberculosis* Pathogenesis and Molecular Determinants of Virulence. *Clin Mikro Rev*. Vol 16 (63) : 463-496
- Steven, C.D. 2003. *Clinical Immunology and Serology; A Laboratory Perspective* ed2nd. Philadelphia: F.A. Davis Company
- Stills, Jr and Harold, F. 2005. Adjuvants and Antibody Production: Dispelling the Myths Associated with Freund's Complete and Other Adjuvants. *ILAR Journal*. Vol 46 (3)
- Subowo. 2009. *Imunobiologi* Ed 2. Bandung: Sagung Seto
- Tiwari, D., Haque, S., Tiwari, R.P., Jawed, A., Govender, T and Kruger, H.G. 2015. Fast and Efficient Detection of Tuberculosis Antigens Using Liposome Encapsulated Secretory Proteins of *Mycobacterium tuberculosis*. *Journal of Microbiology, Immunology and Infection*
- Todar, K. 2005. Online Textbook of Bacteriology. *Science Magazine*. 429-450
- Uplekar, M.W., Rangan, S., Weiss, M.G., Ogden, J., Borgdoff, M.W and Hudelson, P. 2012. Attention to Gender Issues in Tuberculosis Control. *Int J Tuberc Lung Dis*. Vol 5: 220-224
- Wolcott, M.J. 1993. *Latex Agglutination Test for Selected Escherichia Coli Enzymes. Retrospective Theses and Dissertations*. IOWA State University
- Widoyono. 2011. *Penyakit Tropis Epidemiologi, Penularan, Pencegahan dan Pemberantasan*. Ed ke 2. Jakarta: Erlangga
- World Health Organisation. *Global Tuberculosis Report 2017* (cited 2018 Januari 15)
- World Health Organisation. *Chest Radiography in Tuberculosis Detection 2016* (cited 2018 February 27)
- Yvette, M., Barez, M.D., Myrna T. Mendoza, M.D., Regina S. Celada, R.M.T. and Heidi, R and Santos, R.M.T. 1995. Accuracy Of AFB in Relation to TB Culture in Detection of Pulmonary Tuberculosis. *Phil J Microbiol Infect Dis* 24 (2): 33-36
- Zulkifli, A dan Bahar, A. 2007. *Tuberkulosis Paru Dalam: Buku Ajar Ilmu Penyakit Dalam Jilid II*. Edisi ke 4. Jakarta: FKUI