

DAFTAR PUSTAKA

1. Dobler CC, Flack JR, & Marks GB. Risk of tuberculosis among people with diabetes mellitus: an Australian nationwide cohort study. *BM J*.2012;2:21-26
2. World Health Organization. Global Tuberculosis Report 2018. Geneva : WHO Press;2018. p:9-27
3. American Thoracic Society. Diagnostic standards and classification of tuberculosis in adults and children. *Am J Respir Crit Care Med*.2000;161;1376-1396
4. Kibirige D, Kiggundu DS, Worodria W. What is the link between vitamin D and tuberculosis?..*South Afr J Epidemiol Infect*.2013;28(4):192-196
5. Iftikhar R, Kamran SM, Qadir A, Haider E, Usman HB. Vitamin D deficiency in patient with tuberculosis. *Journal of the College of Physicians and Surgeon Pakistan*. 2013;23(11):780-783
6. Martineau AR, Jolliffe DA, Demaret J. Vitamin D and tuberculosis. In:Feldman D, Pike JW, Bouillon R, Giovannucci E, Goltzman D, Hewison M. Vitamin D. Health Disease and Therapeutic, 4th ed. Philadelphia: Elsevier. 2018.p915-934
7. Khan S, Khan NA, Shameem M, Bhargva R, Khan I, Anano N. Significance of serum vitamin D level in tuberculosis patient. *Journal of Clinical and Diagnostic Research*. 2018;12(7):1-5
8. Taparia P, Mishra S, Yadav D, Koolwal S. Vitamin D in pulmonary tuberculosis patients in relation to disease severity. *International Journal of Current Research*. 2018;10(7):71347-71352
9. Facchini L, Venturini E, Galli L, de Martino M, & Chiappini E. Vitamin D and tuberculosis: a review on a hot topic. *Journal of Chemotherapy*. 2015;27(3):128-135
10. Tangpricha V. The role of vitamin D in tuberculosis. *Journal of Clinical & Translational Endocrinology*. 2014;1:167-169
11. Chun RF, Adams JS, Hewison M. Immunomodulation by vitamin D: implication for TB. *Expert Rev Clin Pharmacol*. 2011;4(5):583-591
12. Yoon C, Jarlsberg LG, Cattamanchi A, Davis JL, Worodria W, Huang L. Vitamin D deficiency correlates to Cxr abnormality in Ugandan TB patients. *Am J Respir Crit Care Med*.2012;185:Aa4713
13. Wejse C, Gustafson P, Nielsen J, Gomes VF, Aaby P, Andersen PL, et al. Tbscore: signs and symptoms from tuberculosis patients in a low-resource setting have predictive value and may be used to assess clinical course. *Scandinavian Journal of Infectious Disease*. 2008;40:111-120
14. Rudolf F. The Bandim TB score-reliability, further development and evaluation of potential uses. *Glob Health Action*. 2014;7:1-14

15. Raaby L, Bendix-Struve M, Nielsen J, Wejse C. Inter-observer variation of the Bandim TB-score. *Scandinavian Journal of Infectious Disease*. 2009;41:220-223
16. Dheda K, Schwander SK, Zhu B, Van Zyl-Smith RN, Zhang Y. The immunology of tuberculosis: From bench to bedside. *Respirology* (2010) 15, 433–450
17. Raja A. Immunology of tuberculosis. *Indian J Med Res*.2004;120; 213-232.
18. Sakamoto K. The pathology of Mycobacterium tuberculosis infection. *Veterinary Pathology*.2012: 49 (3) ; 423-439
19. Ernst JD. The immunological life cycle of tuberculosis. *Nature reviews immunology*. 2012;12:585-591
20. Dannenberg AM, Converse PJ. Pathophysiology and immunology in tuberculosis and nontuberculous mycobacterial infections 6th ed. Washington DC. ASM Press. 2011;29-65
21. Bezuidenhout J, Schneider JW. Pathology and Pathogenesis of Tuberculosis. In: Schaaf HS, Zumla A, editor. Tuberculosis: A Comprehensive Clinical Reference 1 edition. London: *Saunders*; 2009. p. 117-28.
22. Li W, Deng G, Li M, et al. Roles of Mucosal Immunity against Mycobacterium tuberculosis Infection. *Tuberculosis research and treatment*. 2012:791728
23. Cavalcanti YV, Brelaz MC, Neves JK, et al. Role of TNF-Alpha, IFN-Gamma, and IL-10 in the Development of Pulmonary Tuberculosis. *Pulmonary medicine*.2012:745483.
24. Kementerian Kesehatan RI. Pedoman Nasional Pengendalian Tuberkulosis. In: Kementerian Kesehatan RI, editor. Jakarta 2011. p. 1 – 13.
25. Kementerian Kesehatan RI. Tatalaksana Pasien Tuberkulosis. In: Kementerian Kesehatan RI, editor. Pedoman Nasional Penanggulangan Tuberkulosis. Jakarta 2014. p. 13-37.
26. Sutaria N, LC, Chen TC. Vitamin D Status, Receptor Gene Polymorphisms, and Supplementation on Tuberculosis: A Systematic Review of Case-Control Studies and Randomized Controlled Trials. *Journal of Clinical and Translational Endocrinology* 2014;1:151-160
27. Hewison M, An Update On Vitamin D And Human Immunity, *Clinical Endocrinology* (2012) 76, 315–325.
28. Zittermann A, Pilz S, Hoffmann H, Marz W. Vitamin D and airway infections: a European perspective. *Eur J Med Res*. 2016;21(14): 1-10
29. Herr C, Greulich T, Koczulla RA, Meyer S, Zakharkina T, Branscheid M, et al. The role of vitamin D in pulmonary disease: COPD, asthma, infection, and cancer. *Respiratory Research*.2011;12(31):1-9
30. Holick MF. Sunlight and vitamin D for bone health and prevention of autoimmune disease, cancers, and cardiovascular disease. *Am J Clin Nutr* 2004a;80(suppl):1678S-1688S.

31. Tessema B, Moges F, Habte D, Hiruy N, Yismaw S, Melkieneh, et al. Vitamin D deficiency among smear positive pulmonary tuberculosis patients and their tuberculosis negative household contacts in Northwest Ethiopia: a case control study. *Ann Clin Microbiol Antimicrob.* 2017;16(36) 1-8
32. Ralph A, Lucas RM, Norval M. Vitamin D and solar ultraviolet radiation in the risk and treatment of tuberculosis. *Lancet Infect Dis.* 2013;13:77-88
33. Cynthia A. Vitamin D and the Immune System. *J Investig Med.* 2011; 59(6): 881-886.
34. Engelsen O. The Relationship Between Sinar ultraviolet Radiation Exposure And Vitamin D Status. *Nutrients.* 2010;2:482-495.
35. Grace P, John M, Brehm, John F, et al. Vitamin D and Asthma. *Am J Respir Crit Care Med.* 2012;185(2):124–132
36. Abhimanyu, Meyer V, Jeffery TJ, Bornman L. Vitamin D status in South Africa and tuberculosis. *Lung.* 2015;193:975-984
37. Oh J, Choi R, Park H, Lee H, Jeong B, Park HY, et al. Evaluation of vitamin status in patients with pulmonary tuberculosis. *Journal of Infection.* 2017;74: 272-280.
38. Ho-Pham LT, Nguyen ND, Nguyen TT, Nguyen DH, Bui Pk, et al. Association between vitamin D insufficiency and tuberculosis in a Vietnamese population. *BMC Infectious Diseases.* 2010;10(306):1-9
39. Di Rosa M, Malaguarnera M, Nicoletti F, Malaguarnera L. Vitamin D3: a helpful immuno-modulator. *Immunology.* 2011;134:123-139
40. Selvaraj P, Anand SP, Harishankar M, Alagarasu K. Plasma 1,25 Dihydroxy Vitamin D3 level and expression of vitamin D receptor and cathelicidin in pulmonary tuberculosis. *J Clin Immunol.* 2009;29:470-478
41. Anand SP, Selvaraj P. Effect of 1,25 dihydroxyvitamin D3 on matrix metalloproteinases MMP-7, MMP-9 and the inhibitor TIMP-1 in pulmonary tuberculosis. *Clinical Immunology.* 2009;133:126-131
42. Hasan Z, Cliff JM, Dockrell HM, Jamil B, Irfan M, et al. CCL2 Response to Mycobacterium tuberculosis are associated with disease severity in tuberculosis. *Plos ONE.* 2009;4(12):e8459
43. Sastroasmoro S, Ismail S. Dasar-dasar metodologi penelitian klinis. Penyunting: Sastroasmoro, Ismail S. edisi 1. Binarupa Aksara Jakarta, 1995:1-278
44. Chandrasekaran P, Saravanan N, Bethunaickan R, Tripathy S. Malnutrition: modulator of immune responses in tuberculosis. *Front Immunol.* 2017;8(1316).doi:10.3389/fimmu.2017.01316
45. Janols H, Abate E, Idh J, Senbeto M, Britton S, Alemu S, et al. Early treatment responses evaluated by a clinical scoring system correlates with the prognosis of pulmonary tuberculosis patients in Ethiopia: a prospective follow up study. *Scandinavian Journal of Infectious Disease.* 2012;44:828-834

46. Sita-Lumsden A, Laphorn G, Swaminathan R, Milburn HJ. Reactivation of tuberculosis and vitamin D deficiency: the contribution of diet and exposure to sunlight. *Thorax*.2007;62:1003-1007
47. Nnoaham KE, Clarke A. Low serum vitamin D levels and tuberculosis: a systematic review and meta-analysis. *Int J Epidemiol*.2008;37:113-119
48. Memon A, Raqeeb A, Humaira M, Khoharo HK. Vitamin D3 in newly diagnosed pulmonary tuberculosis patients: a comparative case control study. *J Liaquat Uni Med Health Sci*.2016;15(1):16-20
49. Kim JH, Park JS, Cho YJ, Yoon HI, Song JH, et al. Low serum 25-hydroxyvitamin D level: an independent risk factor for tuberculosis?. *Clinical Nutrition*.2013:1-6
50. Nimitphong H, Holick MF. Vitamin D status and sun exposure in Southeast Asia. *Dermato-Endocrinology*.2013;5(1):34-37
51. Karoll R, Fatima J, Gupta SS, Shukla V, Moidurrehman, Manhar M. Vitamin D deficiency in medical patients at a teaching hospital in North India. *Journal of the Association of Physicians of India*. 2015;63:35-38
52. Farazi A, Didgar F, Sarafraz A. The effect of vitamin D on clinical outcome in tuberculosis. *Egypt J Chest Dis Tuberc*.2017. <http://dx.doi.org/10.1010/j.ejcdt.2017.01.004>
53. Puspitasari Y and Nugraha J. Correlation between IFN- γ levels, chest radiography, and the positivity of smear sputum in new TB case at the Dr. Soetomo hospital. *Indonesian Journal of Clinical Pathology and Medical Laboratory*. 2018;24(2):155-158
54. Hales CM, Heilig CM, Chaisson R, Leung CC, Chang KC, Glodberg SV et al. The association between symptoms and microbiologically defined response to tuberculosis treatment. *Ann Am Thorac Soc*. 2013;10(1):18-25
55. Mesquita EDD, Gil-Santana L, Ramalho D, Tonomura E, Silva EC et al. Association between systemic inflammation, mycobacterial loads in sputum and radiological improvement after treatment initiation in pulmonary TB patients from Brazil: a prospective cohort study. *BMC Infectious Diseases*.2016;16(386):1-12
56. Yuvaraj B, Sridhar MG, Kumar SV, Kadhiraivan T. Association of serum vitamin D levels with bacterial load in pulmonary tuberculosis patients. *Tuberc Respir Dis*.2016;79:153-157
57. Elsafi SSMS, Nour BM, Abakar AD, Omer IH, Almagadam BS. Vitamin D level and its association with severity of pulmonary tuberculosis in patients attended to Kosti teaching hospital, Sudan. *AIMS Microbiology*.2020;6(1):65-74.
58. Arab AEA, Abaza D, Sebaya AA. Assessment of serum concentrations of vitamin D in young male patients with tuberculosis. *The Egyptian Journal of Hospital Medicine*.2012;49:953-959

59. Keflie TS, Nolle N, Lambert C, Nohr D, Biesalski HK. Vitamin D deficiencies among tuberculosis patient in Africa: a systematic review. *Nutrition*.2015
60. Miragliotta G and Miragliotta L. Vitamin D and Mycobacterial Infection: basic and clinical research. *Austin J Nut Metab*. 2015;2(3):1022
61. Nikanfar S, Rashedi J, Poor BM, Asgharzadeh M. Vitamin D and tuberculosis patients. *EC Pulmonology and Respiratory Medicine*.2018;7(7):466-476
62. Eklund D, Persson HL, Larsson M, Welin A, Idh J et al. Vitamin D enhances IL-1 β secretion and restricts growth of Mycobacterium tuberculosis in macrophages from TB patients. *International Journal of Mycobacteriology*.2013;18(25):18-25
63. Hassanein EG, Mohamed EE, Baess AI, EL-Sayed ET, Yossef AM. The role of supplementary vitamin D in treatment course of pulmonary tuberculosis. *Egyptian Journal of Chest Diseases and Tuberculosis*. 2016;65:629-635
64. Salahuddin N, Ali F, Hasan Z, Rao N, Aqeel M, mahmood F. Vitamin D accelerates clinical recovery from tuberculosis: result of the SUCCINT study (Supplementary cholecalciferol in recovery from tuberculosis). A randomized, placebo-controlled, clinical trial of vitamin D supplementation in patients with pulmonary tuberculosis. *BMC Infectious Diseases*.2013;13(22):1-11