

DAFTAR PUSTAKA

- Alvarez-Uria G, Azcona JM, Midde M, Naik PK, Reddy S, Reddy R.2012. Rapid diagnosis of pulmonary and extrapulmonary tuberculosis in HIV-infected patients. comparison of LED fluorescent microscopy and the *GeneXpert MTB/RIF* Assay in a district hospital in India. *Tuberculosis Research and Treatment*, 1-4.
- Alves SLÁ, Metzker FS, Araújo-Filho JA, Junqueira-Kipnis AP, Kipnis A. 2011. Clinical data and molecular analysis of *Mycobacterium tuberculosis* isolates from drug-resistant tuberculosis patients in Goiás, Brazil. *Mem Inst Oswaldo Cruz*, 106, 655-61.
- American Thoracic Society,2000. Diagnostik standarts and classification of tuberculosis in adults and children. *Am J Respir Crit Care Med* 161: 1376-95
- Association of Public Health Laboratories. 2010. Guidelines for submission of sputum specimens for TB testing.1-4
- Ávalos GGL, deOca EPM. 2012. Classic and new diagnostik approaches to childhood tuberculosis. *J Tropic Med*, 1-12.
- Barnard M, Albert H, Coetzee G, O'Brien R, Bosman ME. 2008. Rapid molecular uji tapis for multidrug-resistant tuberculosis in a high-volume public health laboratory in South Africa. *Am J Respir Crit Care Med* ,177, 787-92.
- Bates M, O'Grady J, Maeurer M, Tembo J, Chilukutu L, Chabala C, Kasonde R, Mulota P,Mzyece J, Chomba M, Mukonda L, Mumba M, Kapata N, Rachow A, Clowes P, Hoelscher M, Mwaba P, Zumla A. 2013. Assessment of the *Xpert MTB/RIF* assay for diagnosis of tuberculosis with gastric lavage aspirates in children in sub-Saharan Africa: a prospective descriptive study. *The Lancet Infect Dis*, 13, 36-42.
- Bodmer T, Ströhle A. 2012. Diagnosing Pulmonary Tuberculosis with the *Xpert MTB/RIF* test.*J Vis Exp*, 62, 1-6.
- Boehme CC, Nicol MP, Nabeta P, Michael JS, Gotuzzo E, Tahirli R, Gler MT, Blakemore R,Worodria W, Gray C, Huang L, Caceres T, Mehdiyev R, Raymond L, Whitelaw A,Sagadevan K, Alexander H, Albert H, Cobelens F, Cox H, Alland D, Perkins MD.2011. Feasibility, diagnostik accuracy, and eff ectiveness of decentralised use of the *Xpert MTB/RIF* test for diagnosis of tuberculosis and

- multidrug resistance: a multicentre implementation study. *Lancet*, 377, 1495-505.
- Boehme CC, Nabeta P, Hillemann D, Nicol MP, Shenai S, Krapp F, Allen J, Tech B, Tahirli R, Blakemore R, Rustomjee R, Milovic A, Jones M, O'Brien SM, Persing DH, Ruesch-Gerdes S, Gotuzzo E, Rodrigues C, Alland D, Perkins MD. 2010. Rapid molecular detection of tuberculosis and rifampin resistance. *N Eng J Med*, 363, 1005-15.
- Carriquiry G, Otero L, Gonzalez-Lagos E, Zamudio C, Sanchez E, Nabeta P. 2012. A diagnostic accuracy study of xpert MTB/RIF in HIV positive patients with high clinical suspicion of pulmonary tuberculosis in Lima, Peru. *PLoS ONE*, 7, 1-7.
- Causse M, Ruiz P, Gutierrez-Aroca JB, Casal M. 2011. Comparison of two molecular methods for rapid diagnosis of extrapulmonary tuberculosis. *J Clin Microbiol*, 49, 3065-7.
- CavuŞOĞlu C, Gursel D, Aktoprak HB. 2011. Evaluation of the genotype MTBDRplus assay for the diagnosis of tuberculosis and rapid detection of rifampin and isoniazid resistance in clinical specimens. *Turk J Med Sci*, 41, 419-25.
- Caws M, Wilson SM, Clough C, Drobniowski F. 2000. Role of IS6110-targeted PCR, culture, biochemical, clinical, and immunological criteria for diagnosis of tuberculous meningitis. *J Clin Microbiol*, 38, 3150-5.
- Chakravorty S, Tyagi JS. 2005. Novel multipurpose methodology for detection of mycobacteria in pulmonary and extrapulmonary specimens by smear microscopy, culture, and PCR. *J Clin Microbiol*, 43, 2697-702.
- Chandra RK. 1997. Nutrition and the immune system : an introduction. *Am J Clin Nutr*, 66, 460-3
- Chang K, Lu W, Wang J, Zhang K, Jia S, Li F, Deng S, Chen M. 2012. Rapid and effective diagnosis of tuberculosis and Rifampin resistance with Xpert MTB/RIF assay: a meta-analysis. *J Infect*, 64, 580-8.
- Cuevas LE, Browning R, Bossuyt P, Casenghi M, Cotton MF, Cruz AT, Dodd LE, Drobniowski F, Gale M, Graham SM, Grzemska M, Heinrich N, Hesselning AC, Huebner R, Jean-Philippe P, Kabra SK, Kampmann B, Lewinsohn D, Li M, Lienhardt C, Mandalakas AM, Marais BJ, Menzies HJ, Montepiedra G, Mwansambo C, Oberhelman R, Palumbo P, Russek-Cohen E, Shapiro DE, Smith B, Soto-Castellares G, Starke JR, Swaminathan S, Wingfield C, Worrell C. 2012. Evaluation of Tuberculosis diagnostics in children: 2. methodological issues for conducting and reporting

research evaluations of Tuberculosis diagnostiks for intrathoracic Tuberculosis in 5 children. consensus from an expert panela. *J Infect Dis*, 205, 209- 15

Detjen AK, DiNardo AR, Leyden J, Steingart KR, Menzies D, Schiller I, Dendukuri N, Mandalakas AM. 2015. Xpert MTB/RIF assay for the diagnosis of pulmonary tuberculosis in children: a systematic review and meta-analysis. *Lancet Respir Med*, 3, 451-61

Detjen AK, Keil T, Roll S, Hauer B, Mauch H, Wahn U, Magdorf K. 2007. Interferon-g release assays improve the diagnosis of tuberculosis and nontuberculous mycobacterial disease in children in a country with a low incidence of tuberculosis. *Clinical Infectious Diseases*, 45, 322-28.

Edwards DJ, Kitetele F, Rie AV. 2007. Agreement between clinical scoring systems used for the diagnosis of pediatric tuberculosis in the HIV era. *Int J Tuberc Lung Dis*, 11, 263-9.

Giang DC, Duong TN, Ha DTM, Nhan HT, Wolbers M, Nhu NTQ, Heemskerk D, Quang ND, Phuong DT, Hang PT, Loc TH, Lan NTN, Dung NH, Farrar J, Caws M. 2015. Prospective evaluation of GeneXpert for the diagnosis of HIV-negatif pediatric TB cases. *BMC Infect Dis*, 15, 70-80

Glynn JR, Crampin AC, Traore H, Yates MD, Mwaungulu FD, Ngwira BM, Chaguluka SD, Mwafulirwa DT, Floyd S, Murphy C, Drobniowski FA, Fine PEM. 2005. *Mycobacterium tuberculosis* Beijing genotype Northern Malawi. *Emerg Infect Dis*, 11, 150-4.

Graham SM, Gie RP, Schaaf HS, Coulter JBS, Espinal MA, Beyers N. 2004. Childhood tuberculosis: clinical research needs. *Int J Tuberc Lung Dis*, 8, 648-57.

Hesseling AC, Schaaf HS, Gie RP, Starke JR, Beyers N. 2002. A critical review of diagnostik approaches used in the diagnosis of childhood tuberculosis. *Int J Tuberc Lung Dis*, 6, 1038-45.

Houwert KAF, Borggreven PA, Schaaf HS, Nel E, Donald PR, Stolk J. 1998. Prospective evaluation of World Health Organization criteria to assist diagnosis of tuberculosis in children. *European Respiratory Journal*, 11, 1116-20.

Huang TS, Kunin CM, Lee SS, Chen YS, Tu HZ, Liu YC. 2005. Trends in fluoroquinolone resistance of *Mycobacterium tuberculosis* complex in a Taiwanese medical centre: 1995-2003. *J Antimicrob Chemother*, 56, 1058-62.

- Imaz MS, Comini MA, Zerbini E, Sequeira MD, Spoletti MJ, Etchart AA, Pagano HJ, Bonifasich E, Díaz N, Claus JD, Singh M. 2001. Evaluation of the diagnostic value of measuring IgG, IgM and IgA antibodies to the recombinant 16-kilodalton antigen of *Mycobacterium tuberculosis* in childhood tuberculosis. *Int J Tuberc Lung Dis*, 5, 1036-43.
- Jaganath D, Mupere E. 2012. Childhood tuberculosis and malnutrition. *J Inf Dis*, 206, 1809-15
- Johnson R, Streicher EM, Louw GE, Warren RM, P D van Helden, Victor TC. 2007. Drug resistance in *Mycobacterium tuberculosis*. *Curr. Issues Mol. Biol*, 8, 97-112.
- Khalilzadeh S, Boloorsaz MR, Safavi A, Farnia P, Velayati AA. 2006. Primary and acquired drug resistance in childhood tuberculosis. *Eastern Mediterranean Health Journal*, 12, 909-15.
- Kemenkes RI. 2012. Petunjuk teknis pemeriksaan biakan, identifikasi, dan uji kepekaan *Mycobacterium tuberculosis* pada media padat. 10-44
- Kemenkes RI. 2013. Petunjuk Teknis Manajemen TB Anak. 2-79.
- Klinger B, Dessens-Kroon M, Laan T, Kremer K, Soolingen Dv. 2007. Drug susceptibility testing of *Mycobacterium tuberculosis* complex by use of a high-throughput, reproducible, absolute concentration method. *J Clin Microbiology*, 45, 2662-8.
- Kulkarni S, Singh P, Memon A, Natara G, Kanade S, Kelkar R, Rajan MGR. 2012. An in-house multiplex PCR test for the detection of *Mycobacterium tuberculosis*, its validation & comparison with a single target TB-PCR kit. *Indian J Med Res*, 135, 788-94.
- Lawn SD, Nicol MP. 2011. Xpert® MTB/RIF assay: development, evaluation and implementation of a new rapid molecular diagnostic for tuberculosis and Rifampicin resistance. *Future Microbiol*, 6, 1067-82.
- Ligthelm LJ, Nicol MP, Hoek KGP, Jacobson R, Helden PD, Marais BJ, Warren RM, Wright CA. 2011. Xpert MTB/RIF for rapid diagnosis of tuberculous lymphadenitis from fine-needle-aspiration biopsy specimens. *J Clin Microbiol*, 49, 3967-70.
- Mandalakas AM, Starke JR. 2006. Tuberculosis and nontuberculous mycobacterial disease. In: Chernick V, Boat TF, Wilmott RW, Bush A, editors. *Kendig's disorders of the respiratory tract in children* 7th edition. Philadelphia: Elsevier, 507-29.

- Marais BJ, Gie RP, Schaaf HS, Hasseking AC, Obihara CC, Starke JJ, Enarson DA, Donald RP, Beyers N. 2004. The natural history of childhood intr-thotacic tuberculosis : a critical review of literature from the pre-chemotherapy era. *Int J Tuberc Lung Dis*, 8, 392-402
- Marais BJ, Gie RP, Hesselting AC, Schaaf HS, Lombard C, Enarson DA, Beyers N. 2006. A refined symptom-based approach to diagnose pulmonary tuberculosis in children. *Pediatrics*, 118, 1350-9.
- Marais B J, Gie RP, Obihara CC, Hesselting AC, Schaaf HS, Beyers N. 2005. Well defined symptoms are of value in the diagnosis of childhood pulmonary tuberculosis. *Arch Dis Child*, 90, 1162-5
- Marais BJ, Pai M. 2007. New approaches and emerging technologies in the diagnosis of childhood tuberculosis. *Paediatric Respiratory Reviews*, 8, 124-33.
- Marais BJ, Pai M. 2007. Recent advances in the diagnosis of childhood tuberculosis. *Arch Dis Child*, 92, 446-452
- Marlowe EM, Novak-Weekley SM, Cumpio J, Sharp SE, Momeny AM, Babst A, Carlson JS, Kawamura M, Pandori M. 2011. Evaluation of the cepheid Xpert MTB/RIF assay for direct detection of *Mycobacterium tuberculosis* complex in respiratory spesimens. *J Clin Microbiol*, 49, 1621-3.
- Montenegro SH, Gilman RH, Sheen P, Cama R, Caviedes L, Hopper T, Chambers R, Oberhelman RA. 2003. Improved detection of *Mycobacterium tuberculosis* in Peruvian children by use of a heminested IS6110 polymerase chain reaction assay. *Clin Infect Dis*, 36, 16-23.
- Narayanan S, Parandaman V, Narayanan PR, Venkatesan P, Girish C, Mahadevan S, Rajajee S. 2001. Evaluation of PCR using TRC4 and IS6110 primers in detection of tuberculous meningitis. *J Clin Microbiol*, 39, 2006-8.
- Nataprawira HMD, Kartasasmita CB, Rosmayudi O, Agustini H. 2001. Diagnosis of pediatric tuberculosis using the Indonesian national concensus for pediatric tuberculosis. *Pediatr Indones*, 41, 185-90
- Negi SS, Anand R, Pasha ST, Gupta S, Basir SF, Khare S, Lal S. 2007. Diagnostik potential of IS6110, 38KDA and 85B sequence-based polymerase chain reaction in the diagnosis of *Mycobacterium tuberculosis* in clinical samples. *Ind J Med Microbiol*, 25, 43-9

- Nelson LJ, Wells CD. 2004. Global epidemiology of childhood tuberculosis. *Int J Tuberc Lung Dis*, 8, 636-47.
- Nhu NTQ, Ha DTM, Anh ND, Thu DDA, Duong TN, Quang ND, Lan NTN, Van Quyet T, Tuyen NTB, Vo Thi Ha VT, Giang DC, Dung NH, Wolbers M, Farrar J, Caws M. 2013. Evaluation of Xpert MTBRIF and MODS assay for the diagnosis of pediatric tuberculosis. *BMC Infect Dis*, 13, 31-40.
- Nicol MP, Workman L, Isaacs W, Munro J, Black F, Eley B, Boehme CC, Zemanay W, Zar HJ. 2011. Accuracy of the Xpert MTB/RIF test for the diagnosis of pulmonary tuberculosis in children admitted to hospital in Cape Town, South Africa: a descriptive study. *The Lancet*, 1-6.
- Nicol MP, Davies MA, Wood K, Hatherill M, Workman L, Hawkridge A, Eley B, Paeda FC, Wilkinson KA, Wilkinson RJ, Hanekom WA, Beatty D, Hussey G. 2009. Comparison of T-SPOT.TB assay and tuberculin skin test for the evaluation of young children at high risk for tuberculosis in a community setting. *Pediatrics*, 123, 38-43.
- Nicol MP, Pienaar D, Wood K, Eley B, Wilkinson RJ, Henderson H, Smith L, Samodien S, Beatty D. 2005. Enzyme-linked immunospot assay responses to early secretory antigenic target 6, culture filtrate protein 10, and purified protein derivative among children with tuberculosis: implications for diagnosis and monitoring of therapy. *Clin Infect Dis*, 40, 1301-8.
- Parwati I, Crevel Rv, Sudiro M, Alisjahbana B, Pakasi T, Kremer K, van der Zanden A, van Soolingen D. 2008. *Mycobacterium tuberculosis* population structures differ significantly on two Indonesian islands. *J Clin Microbiology*, 46, 3639-45.
- Patra SK, Jain A. 2012. Molecular diagnosis of multidrug resistant tuberculosis. *IJBAR*, 3, 273-81.
- Pottumarthy S, Morris AJ, Harrison AC, Wells VC. 1999. Evaluation of the tuberculin gamma interferon assay: potential to replace the Mantoux skin test. *J Clin Microbiol*, 37, 3229-32
- Rahajoe NN, Setyanto DB. 2010. Diagnosis tuberculosis pada anak. In: Rahajoe NN, Supriyatno B, Setyanto DB, editors. *Buku ajar respirologi anak edisi ke-1*. Jakarta: Badan Penerbit IDAI, 194-213.
- Rattan A, Kalia A, Ahmad N. 1998. Multidrug-resistant *Mycobacterium tuberculosis*: molecular perspectives. *Emerg Infect Dis*, 4, 195-210.

- Santos LC. 2012. Review: The Molecular Basis of Resistance in *Mycobacterium tuberculosis*. OJMM, 2, 24-36
- Schaaf HS, Marais BJ, Hesselning AC, Brittle W, Donald PR. 2009. Surveillance of antituberculosis drug resistance among children from the Western Cape province of South Africa—an upward trend. Am J Public Health, 99, 1486-91.
- Sekadde MP, Wobudeya E, Joloba ML, Ssengooba W, Kisembo H, Bakeera-Kitaka S, Musoke P. 2013. Evaluation of the Xpert MTB/RIF test for the diagnosis of childhood pulmonary tuberculosis in Uganda: a cross-sectional diagnostic study. BMC Infect Dis, 13, 133-41.
- Seth V, Kabra SK. 2011. Pulmonary Tuberculosis. In: Seth V, Kabra SK. Essentials of Tuberculosis in Children. 4th ed. New Delhi. JAYPEE.101-21
- Shingadia D, Burgner D. 2008. Mycobacterial infections. In: Taussig LM, Landau LI, Souef PNL, Martinez FD, Morgan WJ, Sly PD, editors. Pediatric respiratory medicine 2nd edition. Philadelphia: Elsevier, 597-614.
- Somoskovi A, Parsons LM, Salfinger M. 2001. The molecular basis of resistance to isoniazid, rifampin, and pyrazinamide in *Mycobacterium tuberculosis*. Respir Res, 2, 164-8.
- Starke JR. 2011. Tuberculosis (*Mycobacterium tuberculosis*). In: Kliegman RM, Stanton BF, Schor NF, Geme JWS, Behrman RE, editors. Nelson textbook of pediatrics 19th edition. Philadelphia: Elsevier, 996-1011.
- Singh S, Singh A, Prajapati S, Kabra SK, Lodha R, Mukherjee A, Singh V, Hesselning AC, Grewal HMS. 2015. Xpert MTB/RIF assay can be used on archived gastric aspirate and induced sputum samples for sensitive diagnosis of pediatric tuberculosis. BMC Microbiol, 15, 191-201
- Swaminathan S, Rekha B. 2010. Pediatric Tuberculosis: Global Overview and Challenges. Clin Infect Dis, 50, 184-94.
- Tabarsi P, Chitsaz E, Moradi A, Baghaei P, Farnia P, Marjani M, Shamai M, Amiri M, Nikaein S, Mansouri D, Masjedi M, Altice F. 2012. Treatment outcome, mortality and their predictors among HIV associated Tuberculosis patients. Int J STD AIDS, 23, 1- 10
- Theron G, Peter J, Zyl-Smit R, Mishra H, Streicher E, Murray S, Dawson R, Whitelaw A, Hoelscher M, Sharma S, Madhukar P, Warren R,

Dheda K. 2011. Evaluation of the Xpert MTB/RIF assay for the diagnosis of pulmonary tuberculosis in a high HIV prevalence setting. *Am J Respir Crit Care Med*, 184, 132-40.

Unit Kerja Koordinasi Nutrisi dan Penyakit Metabolik IDAI. 2011. Rekomendasi Ikatan Dokter Anak Indonesia : Asuhan nutrisi pediatrik, 4-6

Wells CD, Cegielski P, Nelson LJ, Laserson KF, Holtz TH, Finlay A, Castro KG, Weyer K. 2007. HIV infection and multidrug-resistant tuberculosis—the perfect storm. *J Infect Dis*, 196,86-107

WHO. 2014. Guidance for national tuberculosis programmes on the management of tuberculosis in children. 2, 21-74

WHO. 2013. Automated real-time nucleic acid amplification technology for rapid and simultaneous detection of tuberculosis and rifampicin resistance: Xpert MTB/RIF assay for the diagnosis of pulmonary and extrapulmonary TB in adults and children. policy update. 23-33

WHO. 2012. Global TB report . Geneva: World Health Organization.

WHO. 2012. Update, implementation and roll-out of Xpert MTB/RIF Geneva,Switzerland: World Health Organization.

WHO. 2011. Rapid implementation of the Xpert MTBR-RIF diagnostik test.Technical and operational 'how-to' practical considerations. Geneva,Switzerland: World Health Organization. 5-25

Zar HJ,Tannenbaum, Apolles P, Roux P, Hanslo D, Hussey G.2000. Sputum induction for the diagnosis of pulmonary tuberculosis in infants and young children in an urban setting in South Africa. *Arch Dis Child*, 82, 305–8

Zumla A, Raviglione M, Hafner R, Reyn CF. 2013. Current concepts Tuberculosis. *N Engl J Med*, 368, 745-55