

DAFTAR PUSTAKA

- Alanazi, M.Q. 2018. An evaluation of community-acquired urinary tract infection and appropriateness of treatment in an emergency department in Saudi Arabia. *Ther Clin Risk Manag*, 14: 2363–2373.
- Anon. 2013. *Upgrading Software Body fluid measurement mode*. Kobe: Sysmex Corporation.
- Bagian Patologi Klinik Fakultas Kedokteran UGM. 2010. *Pemantapan Mutu Internal Laboratorium Klinik*. 1st ed. U. Sukorini, D. K. Nugroho, M. Rizki, & B. Hendriawan, eds. Yogyakarta: Alfa Media Yogyakarta.
- Behzadi, P., Behzadi, E. & Ranjbar, R. 2015. Urinary tract infections and candida albicans. *Cent European J Urol*, 68(1): 96–101.
- Bellazreg, F., Abid, M., Ben Lasfar, N., Hattab, Z., Hachfi, W. & Letaief, A. 2019. Diagnostic value of dipstick test in adult symptomatic urinary tract infections: Results of a cross-sectional Tunisian study. *Pan Afr. Med. J.*, 33: 1–6.
- Bonkat, G., Pickard, R., Bartoletti, R., Bruyère, F., Geerlings, S.E., Wagenlehner, F., Wullt, B., Cai, T., Köves, B., Pilatz, A., Pradere, B. & Veeratterapillay, R. 2017. Urological Infections EAU Guidelines. *European Association of Urology- Urological Infections-Limited Update March 2017*: 66. <https://uroweb.org/wp-content/uploads/EAU-Guidelines-on-Urological-Infections-2018-large-text.pdf>.
- Brunzel, N.A. 2013. *Fundamentals of Routine Urine and Body Fluid Analysis*. 3rd ed. Missouri: Elsevier Saunders.
- Coppens, A., Speeckaert, M. & Delanghe, J. 2010. The pre-analytical challenges of routine urinalysis. *Acta Clin Belg*, 65(3): 182–189.
- Dahlan, S. 2010. Besar Sampel dan Cara Pengambilan Sampel. In Jakarta: Penerbit Salemba Medika: 81–85.
- Dahlan, S. 2018. *Penelitian Diagnostik, Validitas, dan Reliabilitas*. 2nd ed. Jakarta: PT Epidemiologi Indonesia.
- Delanghe, J. & Speeckaert, M. 2014. Preanalytical requirements of urinalysis. *Biochem Med*, 24(1): 89–104.
- Dielubanza, E.J. & Schaeffer, A.J. 2011. Urinary tract infections in women. *Med. Clin. North Am*, 95(1): 27–41. <http://dx.doi.org/10.1016/j.mcna.2010.08.023>.
- Fletcher, R. & Fletcher, S. 2005. Clinical Epidemiology: The essentials. Robert Fletcher; Suzanne Fletcher. 4th Edition 2005.pdf. : 256.
- Flores-Mireles, A.L., Walker, J.N., Caparon, M. & Hultgren, S.J. 2015. Urinary tract infections: Epidemiology, mechanisms of infection and treatment options. *Nat. Rev. Microbiol.*, 13(5): 269–284.
- Fogazzi, G.B. 2005. Automated Analysis of Urine Sediment.
- Giesen, C.D., Greeno, A.M., Thompson, K.A., Patel, R., Jenkins, S.M. & Lieske, J.C. 2013. Performance of flow cytometry to screen urine for bacteria and white blood cells prior to urine culture. *Clin. Biochem.*, 46(9): 810–813. <http://dx.doi.org/10.1016/j.clinbiochem.2013.03.005>.
- Grabe, M., Bartoletti, R., Bjerklund-Johansen, T.E., Cai, T., Çek, M., Koves, B., Naber, K.G., Pickard, R.S., Tenke, P., Wagenlehner, F. & Wullt, B. 2015. Guidelines on Urological Infections. *Eur. Urol*: 33–40.

- http://www.uroweb.org/gls/pdf/15_Urological_Infections.pdf.
- Graham, J.C. & Galloway, A. 2001. The laboratory diagnosis of urinary tract infection. *J. Clin. Pathol.*, 54(12): 911–919.
- Hasan, A., T, N., N, R. & K, N. 2014. Laboratory diagnosis of urinary tract infections using diagnostics tests in adult patients. *Int J Res Med Sci*, 2(2): 415.
- Hidayah, N., Kusum, P.A. & Noormanto, N. 2011. Diagnostic tests of microscopic and urine dipstick examination in children with urinary tract infection. *Paediatr. Indones.*, 51(5): 252.
- Hwang, I.K., Kim, S.H., Park, M.J., Kang, H.M. & Yoo, J.-H. 2015. Bronchobiliary fistula (BBF) easily confirmed with urinary dipstick test. *European Respiratory Journal*, 46(suppl 59): PA828. http://erj.ersjournals.com/content/46/suppl_59/PA828.abstract.
- Inayati, I. & Falah, K. 2014. Uji Diagnostik Urinalisis Lekosit Esterase terhadap Kultur Urin pada pasien Infeksi Saluran Kemih (ISK) dengan Kateterisasi Uretra. *Syifa' MEDIKA: Jurnal Kedokteran dan Kesehatan*, 4(2): 100.
- Karah, N., Rafei, R., Elamin, W., Ghazy, A., Abbara, A., Hamze, M. & Uhlin, B.E. 2020. Guideline for urine culture and biochemical identification of bacterial urinary pathogens in low-resource settings. *Diagnostics*, 10(10).
- Kim, S.J., Ryu, J.H., Kim, Y.B. & Yang, S.O. 2019. Management of Candida Urinary Tract Infection in the Elderly. *Urogenital Tract Infection*, 14(2): 33.
- Kocer, D., Sariguzel, F.M., Zahid Ciraci, M., Karakukcu, C. & Oz, L. 2015. Diagnostic accuracy of a new urinalysis system, Dongjiu, for diagnosis of urinary tract infection. *Ann. Clin. Lab. Sci.*, 45(6): 686–691.
- Krongvorakul, J., Phundhusuwannakul, S., Santanirand, P. & Kunakorn, M. 2012. A flow cytometric urine analyzer for bacteria and white blood cell counts plus urine dipstick test for rapid screening of bacterial urinary tract infection. *Asian Biomed*, 6(4): 601–608.
- Lee, H. & Le, J. 2018. PSAP 2018 BOOK 1 Urinary Tract Infections. In *PSAP 2018 Book 1- Infectious Diseases*. Kansas: American College of Clinical Pharmacy: 7–28.
- Lekskulchai, V. 2020. Clinical Utilization of Blood and Urine Cultures and Incidences of Bacteremia and Bacteriuria in a Hospital in Thailand. *Med. Sci. Monit. Basic Res.*, 26: e924204.
- Malau, U.N. & Adipireno, P. 2019. Uji korelasi leukosit esterase dan nitrit dengan kultur urin pada infeksi saluran kemih. *Intisari Sains Medis*, 10(1): 184–187.
- Marques, A.G., Doi, A.M., Pasternak, J., Damascena, M.D.S., França, C.N. & Martino, M.D.V. 2017. Performance of the dipstick screening test as a predictor of negative urine culture. *Einstein (Sao Paulo, Brazil)*, 15(1): 34–39.
- Medina, M. & Castillo-Pino, E. 2019. An introduction to the epidemiology and burden of urinary tract infections. *Ther Adv Urol*, 11: 3–7.
- Middelkoop, S.J.M., van Pelt, L.J., Kampinga, G.A., ter Maaten, J.C. & Stegeman, C.A. 2021. Influence of gender on the performance of urine dipstick and automated urinalysis in the diagnosis of urinary tract infections at the emergency department. *Eur. J. Intern. Med.*, 87(January): 44–50. <https://doi.org/10.1016/j.ejim.2021.03.010>.
- Millán-Lou, M.I., García-Lechuz, J.M., Ruiz-Andrés, M.A., López, C., Aldea, M.J.,

- Egido, P., Revillo, M.J. & Rezusta, A. 2018. Comparing two automated techniques for the primary screening-out of urine culture. *Front. Med.*, 5(DEC): 1–6.
- Mitchell, B.G., Ferguson, J.K., Anderson, M., Sear, J. & Barnett, A. 2016. Length of stay and mortality associated with healthcare-associated urinary tract infections: A multi-state model. *J. Hosp. Infect.*, 93(1): 92–99. <http://dx.doi.org/10.1016/j.jhin.2016.01.012>.
- Mohanna, A.T., Alshamrani, K.M., SaemAldahar, M.A., Kidwai, A.O., Kaneetah, A.H., Khan, M.A. & Mazraani, N. 2021. The Sensitivity and Specificity of White Blood Cells and Nitrite in Dipstick Urinalysis in Association With Urine Culture in Detecting Infection in Adults From October 2016 to October 2019 at King Abdulaziz Medical City. *Cureus*, 13(October 2019): 1–7.
- Okada, H., Horie, S., Inoue, J. & Kawashima, Y. 2007. The basic performance of bacteria counting for diagnosis of urinary tract infection using the fully automated urine particle analyser UF 1000i. *Sysmex j. int.*, 17(2): 95–101. http://www.centralizeddiagnostics.cl/Literatura/docs/literatura/Performance_bacteria_counting_UF_1000_vol17_2_03.pdf.
- Oyaert, M. & Delanghe, J. 2018. Progress in automated urinalysis. *Ann. Lab. Med.*, 39(1): 15–22.
- Oyaert, M., Van Meensel, B., Cartuyvels, R., Frans, J., Laffut, W., Vandecandelaere, P. & De Beenhouwer, H. 2018. Laboratory diagnosis of urinary tract infections: Towards a BILULU consensus guideline. *J. Microbiol. Methods*, 146: 92–99. <https://doi.org/10.1016/j.mimet.2018.02.006>.
- Öztürk, R. & Murt, A. 2020. Epidemiology of urological infections: a global burden. *World J Urol*, 38(11): 2669–2679. <https://doi.org/10.1007/s00345-019-03071-4>.
- Pardede, S.O. 2018. Infeksi pada Ginjal dan Saluran Kemih Anak: Manifestasi Klinis dan Tata Laksana. *Sari Pediatri*, 19(6).
- Pardede, S.O., Tambunan, T., Alatas, H., Trihono, P.P. & Hidayati, E.L. 2011. *Konsensus Infeksi Saluran Kemih pada Anak*. Jakarta: Badan Penerbit Ikatan Dokter Anak Indonesia.
- Petty, L.A., Vaughn, V.M., Flanders, S.A., Malani, A.N., Conlon, A., Kaye, K.S., Thyagarajan, R., Osterholzer, D., Nielsen, D., Eschenauer, G.A., Bloemers, S., McLaughlin, E. & Gandhi, T.N. 2019. Risk Factors and Outcomes Associated with Treatment of Asymptomatic Bacteriuria in Hospitalized Patients. *JAMA Intern. Med.*, 179(11): 1519–1527.
- Pezzlo, M. 2014. Laboratory diagnosis of urinary tract infections: Guidelines, challenges, and innovations. *Clin. Microbiol. Newsl.*, 36(12): 87–93. <http://dx.doi.org/10.1016/j.clinmicnews.2014.05.003>.
- Piñeiro Pérez, R., Cilleruelo Ortega, M.J., Ares Álvarez, J., Baquero-Artigao, F., Silva Rico, J.C., Velasco Zúñiga, R., Martínez Campos, L., Carazo Gallego, B., Conejo Fernández, A.J., Calvo, C., Alfayate Miguélez, S., Berghazan Suárez, A., García Vera, C., José García García, J., Herreros, M. & Rodrigo Gonzalo de Liria, C. 2019. Recommendations on the diagnosis and treatment of urinary tract infection. *An Pediatr (English Edition)*, 90(6): 400.e1-400.e9.

- Pratistha, F.S.M., Sudhana, I.W. & Adnyana, I.W.L. 2018. Diagnosis Cepat Infeksi Saluran Kemih Dengan Menghitung Jumlah Leukosituria Pada Urinalisis Metode Flowcytometry Sysmex Ux-2000 Dengan Baku Emas Kultur Urin Di Rsup Sanglah Denpasar. *JPDUnud*, 1(2): 52–56.
- Primiastanti, P. & Sukartini, N. 2013. Kekurangan Zat Besi di Perempuan Hamil Menggunakan Hemoglobin Retikulosit (Ret-He). *Indones. J. Clinical Pathol. Med. Laboratory*, 19(3): 156–159.
- Putra, I.A.E., Sutarga, I., Kardiwinata, M., Suariyani, N., Septarini, N. & Subrata, I. 2016. Modul Penelitian Uji Diagnostik Dan Skrining. *Program Studi Kesehatan Masyarakat Fakultas Kedokteran Universitas Udayana*: 45. https://simdos.unud.ac.id/uploads/file_pendidikan_1_dir/d204d4a5ad0870a0965416e671a38791.pdf.
- Rahimi, A., Saragih, R.H. & Nainggolan, R. 2018. Antimicrobial resistance profile of urinary tract infection at a secondary care hospital in Medan, Indonesia. *IOP Conf. Ser. Earth Environ. Sci.*, 125(1).
- Riswanto & Rizki, M. 2015. *Menerjemahkan Pesan Klinis Urine*. Yogyakarta: Pustaka Rasmedia.
- Safari, S., Baratloo, A., Elfil, M. & Negida, A. 2016. Evidence Based Emergency Medicine; Part 5 Receiver Operating Curve and Area under the Curve. *Emergency (Tehran, Iran)*, 4(2): 111–3.
- dos Santos, J.C., Weber, L.P. & Perez, L.R.R. 2007. Evaluation of urinalysis parameters to predict urinary-tract infection. *Braz J Infect Dis*, 11(5): 479–481.
- Seputra, K.P., Tarmono, S Noegroho, B., Chaidir A, M., Wahyudi, I., REnaldo, J., Hamid, A.R., Yudiana, I.W., Ghinorawa, T. & Warli, S.M. 2021. *Panduan Tata Laksana Infeksi Saluran Kemih dan Genitalia Pria*. Surabaya: Ikatan Ahli Urologi Indonesia.
- Shanahan, K. & Mundt, L. 2011. *Graff's Textbook of Urinalysis and Body Fluids*. 3rd ed. Philadelphia: Lippincott Williams & Wilkins.
- Shrestha, D., Thapa, P., Bhandari, D., Bhattachan, B., Parajuli, H., Chaudary, P., Sharma, V.K. & Shah, P.K. 2019. Detection of Pyuria by Microscopic Urinalysis as a Marker of Pediatric Urinary Tract Infection. *Nepal J. Biotechnol.*, 7(1): 15–20.
- Siswosudarmo, R. 2017. Tes Diagnostik. Departemen Obstetri dan Ginekologi FKMK Universitas Gadjah Mada. Yogyakarta.
- Sobel, J.D. & Kaye, D. 2014. *Urinary Tract Infections*. Eighth Edi. Elsevier Inc. <http://dx.doi.org/10.1016/B978-1-4557-4801-3.00074-6>.
- Sudhana, I.W. 2017. *Leukosituria*. SMF Ilmu Penyakit Dalam RSUP Sanglah.
- Sunite, A.G. & Neeraj, K.G. 2020. Preanalytical requirements: focus on urine culture. *BLDE Univ. J. Health Sci.*, 4: 55–59.
- Tan, C.W. & Chlebicki, M.P. 2016. Urinary tract infections in adults. *Singapore Med J*, 57(9): 485–490.
- Tan, N.C., Koong, A.Y.L., Ng, L.P., Hu, P.L., Koh, E.Y.L., Tan, K.T., Moey, P.K.S., Tan, M.X., Wong, C.S., Tan, T.Y., Ho, H.J.A. & Chen, M.I.C. 2019. Accuracy of urinary symptoms and urine microscopy in diagnosing urinary tract infection in women. *Fam. Pract*, 36(4): 417–424.



- Tandogdu, Z. & Wagenlehner, F.M.E. 2016. Global epidemiology of urinary tract infections. *Curr Opin Infect Dis*, 29(1): 73–79.
- Taufik, M.R.I., Ariningrum, D. & Mashuri, Y.A. 2020. Cut-off Values of Bacteriuria and Leukocyturia for the Diagnosis of Urinary Tract Infections in Pediatric Patients. *Indones. J. Clinical Pathol. Med. Laboratory*, 27(1): 51–54.
- Wilson, M. & Gaido, L. 2004. Laboratory diagnosis of urinary tract infections in adult patients. *Med. Microbiol.*, 12(6): 360–361.
- Yang, W., Yu, X., Liu, D. & Guan, X. 2019. High false positive rate of white blood cells in urine samples of pregnant women may be caused by epithelial cells being misclassified by the sysmex UF-1000i urine flow cytometer. *Cytometry Part B - Clinical Cytometry*, 96(6): 464–468.
- Zeng, Z., Zhan, J., Zhang, K., Chen, H. & Cheng, S. 2022. Global, regional, and national burden of urinary tract infections from 1990 to 2019: an analysis of the global burden of disease study 2019. *World J. Urol.*, 40(3): 755–763. <https://doi.org/10.1007/s00345-021-03913-0>.