

DAFTAR PUSTAKA

- Adewoyin, A.S., Nwogoh, B., 2014. Peripheral blood film - a review. *Ann. Ib. Postgrad. Med.* 12: 71–79.
- American Cancer Society, 2019. Acute Myeloid Leukemia (AML) Subtypes and Prognostic Factors. URL <https://www.cancer.org/cancer/acute-myeloid-leukemia/detection-diagnosis-staging/how-classified.html>
- Arber, D.A., Orazi, A., Hasserjian, R., Thiele, J., Borowitz, M.J., Le Beau, M.M., Bloomfield, C.D., Cazzola, M., Vardiman, J.W., 2016. The 2016 revision to the World Health Organization classification of myeloid neoplasms and acute leukemia. *Blood* 127: 2391–2405.
- Bain, B.J., 2005. Diagnosis from the blood smear. *N. Engl. J. Med.* 353: 498–507.
- Barnes, P.W., McFadden, S.L., Machin, S.J., Simson, E., international consensus group for hematology, 2005. The international consensus group for hematology review: suggested criteria for action following automated CBC and WBC differential analysis. *Lab. Hematol. Off. Publ. Int. Soc. Lab. Hematol.* 11: 83–90.
- Barnhart, H.X., Barboriak, D.P., 2009. Applications of the repeatability of quantitative imaging biomarkers: a review of statistical analysis of repeat data sets. *Transl. Oncol.* 2: 231–235.
- Becker, P.-H., Fenneteau, O., Da Costa, L., 2016. Performance evaluation of the Sysmex XN-1000 hematology analyzer in assessment of the white blood cell count differential in pediatric specimens. *Int. J. Lab. Hematol.* 38: 54–63.
- Billard, M., Lainey, E., Armoogum, P., Alberti, C., Fenneteau, O., Da Costa, L., 2010. Evaluation of the CellaVision DM automated microscope in pediatrics. *Int. J. Lab. Hematol.* 32: 530–538.
- Briggs, C., Longair, I., Kumar, P., Singh, D., Machin, S.J., 2012. Performance evaluation of the Sysmex haematology XN modular system. *J. Clin. Pathol.* 65: 1024–1030.

- Briggs, C., Longair, I., Slavik, M., Thwaite, K., Mills, R., Thavaraja, V., Foster, A., Romanin, D., Machin, S.J., 2009. Can automated blood film analysis replace the manual differential? An evaluation of the CellaVision DM96 automated image analysis system. *Int. J. Lab. Hematol.* 31: 48–60.
- Bujang, M.A., Adnan, T.H., 2016. Requirements for Minimum Sample Size for Sensitivity and Specificity Analysis. *J. Clin. Diagn. Res.* JCDR 10: YE01–YE06.
- Ceellie, H., Dinkelaar, R.B., van Gelder, W., 2007. Examination of peripheral blood films using automated microscopy; evaluation of Diffmaster Octavia and Cellavision DM96. *J. Clin. Pathol.* 60: 72–79.
- Chernov, V., Alander, J., Bochko, V., 2015. Integer-based accurate conversion between RGB and HSV color spaces. *Comput. Electr. Eng.* 46: 328–337.
- CLSI, 2021. User Verification of Precision implementation guide. 1st ed. Wayne, PA. ed, CLSI Implentation guide EP15-Ed3-IG1. *Clinical and Laboratory Standards Institute*.
- Cornet, E., Perol, J.-P., Troussard, X., 2008. Performance evaluation and relevance of the CellaVision DM96 system in routine analysis and in patients with malignant hematological diseases. *Int. J. Lab. Hematol.* 30: 536–542.
- Da Costa, L., 2015. Digital image analysis of blood cells. *Clin. Lab. Med.* 35: 105–122.
- Dai, Q., Zhang, G., Yang, H., Wang, Y., Ye, L., Peng, L., Shi, R., Guo, S., He, J., Jiang, Y., 2021. Clinical features and outcome of pediatric acute lymphoblastic leukemia with low peripheral blood blast cell count at diagnosis. *Medicine (Baltimore)* 100: e24518.
- Eilertsen, H., Henriksson, C.E., Hagve, T.-A., 2017. The use of CellaVision™ DM96 in the verification of the presence of blasts in samples flagged by the Sysmex XE-5000. *Int. J. Lab. Hematol.* 39: 423–428.
- Eilertsen, H., Saether, P.C., Henriksson, C.E., Petersen, A.-S., Hagve, T.-A., 2019. Evaluation of the detection of blasts by Sysmex hematology instruments, CellaVision DM96, and manual microscopy using flow cytometry as the confirmatory method. *Int. J. Lab. Hematol.* 41: 338–344.

- El Achi, H., Khoury, J.D., 2020. Artificial Intelligence and Digital Microscopy Applications in Diagnostic Hematopathology. *Cancers* 12: 797.
- Fleming, C., Russcher, H., Brouwer, R., Lindemans, J., de Jonge, R., 2016. Evaluation of Sysmex XN-1000 High-Sensitive Analysis (hsA) Research Mode for Counting and Differentiating Cells in Cerebrospinal Fluid. *Am. J. Clin. Pathol.* 145: 299–307.
- Hamzidah, N.K., 2023. Identifikasi Kandungan Citra Mikroskopik Sel Darah Manusia Berbasis Image Processing Dalam Mendeteksi Potensi Leukemia. *J. Media Elektr.* 20: 1–7.
- Hardjoeno, 2003. Interpretasi hasil tes laboratorium diagnostik. *Hasanuddin University Press*. Makassar: Lephass.
- Hidayah, A.N., 2019. Perbandingan Berbagai Metode Pengeringan Preparat Sebelum Pengecatan Terhadap Morfologi Sel Darah Merah (Erythrocyte) Pada Apusan Darah Tepi. *Universitas Muhammadiyah Surabaya*. <http://repository.um-surabaya.ac.id/id/eprint/4835>
- Hirsch, L., 2019. Juvenile Myelomonocytic Leukemia (JMML). *Nemours Kids Health*. <https://kidshealth.org/en/parents/jmml.html>
- Houwen, B., 2001. The differential count. *Lab. Hematol.* 7: 89–100.
- Indrawanti, A.S., Mandyartha, E.P., 2018. Deteksi Limfoblas pada Citra Sel Darah Menggunakan Fitur Geometri dan Local Binary Pattern. *JNTETI* 7.
- Inoue, S., 2020. Leukocytosis in Pediatrics. *Medscape*. <https://emedicine.medscape.com/article/956278-overview>
- Jones, A.S., Taylor, H., Liesner, R., Machin, S.J., Briggs, C.J., 2015. The value of the white precursor cell channel (WPC) on the Sysmex XN-1000 analyser in a specialist paediatric hospital. *J. Clin. Pathol.* 68: 161–165.
- Jones, K. W. 2010. Evaluation of cell morphology and introduction to platelet and white blood cell morphology. *Clinical Hematology and Fundamentals of Hemostasis*, 93–116. http://www.cytothesis.us/3.0/Oil_Cell-Morphology_Blood-Cell.pdf
- Kanwar, V.S., 2022. Pediatric Acute Lymphoblastic Leukemia. *Medscape*. <https://emedicine.medscape.com/article/990113-overview>

- Kazemi, F., Najafabadi, T.A., Araabi, B.N., 2016. Automatic Recognition of Acute Myelogenous Leukemia in Blood Microscopic Images Using K-means Clustering and Support Vector Machine. *J. Med. Signals Sens.* 6: 183–193.
- Keohane, E.M., Otto, C.N., Walenga, J.M., 2020. Rodak's Hematology Clinical Principles and Applications, Sixth edition. *ed. Elsevier*, Philadelphia.
- Kratz, A., Bengtsson, H.-I., Casey, J.E., Keefe, J.M., Beatrice, G.H., Grzybek, D.Y., Lewandowski, K.B., Van Cott, E.M., 2005. Performance evaluation of the CellaVision DM96 system: WBC differentials by automated digital image analysis supported by an artificial neural network. *Am. J. Clin. Pathol.* 124: 770–781.
- Kratz, A., Lee, S., Zini, G., Riedl, J.A., Hur, M., Machin, S., 2019. Digital morphology analyzers in hematology: ICSH review and recommendations. *Int. J. Lab. Hematol.* ijlh.13042.
- Lee, G.-H., Yoon, S., Nam, M., Kim, H., Hur, M., 2023. Performance of digital morphology analyzer CellaVision DC-1. *Clin. Chem. Lab. Med.* 61: 133–141.
- Mukaka, M.M., 2012. Statistics corner: A guide to appropriate use of correlation coefficient in medical research. *Malawi Med. J. J. Med. Assoc. Malawi* 24: 69–71.
- NCI, 2011. White blood cell. *Natl. Cancer Inst.* <https://www.nih.gov/about-nih/what-we-do/nih-almanac/national-cancer-institute-nci>
- Niemeyer, C.M., 2018. JMML genomics and decisions. *Hematol. Am. Soc. Hematol. Educ. Program* 2018: 307–312.
- NIH, 2022. Childhood Acute Myeloid Leukemia/Other Myeloid Malignancies Treatment. *Natl. Cancer Inst.* <https://www.cancer.gov/types/leukemia/patient/child-aml-treatment-pdq>
- Park, S.H., Park, C.-J., Choi, M.-O., Kim, M.-J., Cho, Y.-U., Jang, S., Chi, H.-S., 2013. Automated digital cell morphology identification system (CellaVision DM96) is very useful for leukocyte differentials in specimens with qualitative or quantitative abnormalities. *Int. J. Lab. Hematol.* 35: 517–527.

- Peterson, P., Blomberg, D.J., Rabinovitch, A., Cornbleet, P.J., Agosti, S.J., Aronson, M., Cembrowski, G.S., Davis, B.H., Dutcher, T.F., Galagan, K.A.S., Glader, B.E., Glassy, E.F., Hoyer, J., Koepke, J.A., Glenn, G.C., Lawrence, C., Loschen, D.J., Nosanchuk, J.S., Novak, R., Peterson, L., Sandhaus, L.M., Spier, C.M., Ward, P.C.J., 2001. Physician review of the peripheral blood smear: When and Why An opinion. *Lab. Hematol.* 7: 175–179.
- Petrone, J., Jackups, R., Eby, C.S., Shimer, G., Anderson, J., Frater, J.L., 2019. Blast flagging of the Sysmex XN-10 hematology analyzer with supervised cell image analysis: Impact on quality parameters. *Int. J. Lab. Hematol.* 41: 601–606.
- Pratumvinit, B., Wongkrajang, P., Reesukumal, K., Klinbua, C., Niamjoy, P., 2013. Validation and optimization of criteria for manual smear review following automated blood cell analysis in a large university hospital. *Arch. Pathol. Lab. Med.* 137: 408–414. doi:10.5858/arpa.2011-0535-OA
- Pui, C.-H., Yang, J.J., Bhakta, N., Rodriguez-Galindo, C., 2018. Global efforts toward the cure of childhood acute lymphoblastic leukaemia. *Lancet Child Adolesc. Health* 2: 440–454.
- Ratei, R., Basso, G., Dworzak, M., Gaipa, G., Veltroni, M., Rhein, P., Biondi, A., Schrappe, M., Ludwig, W.-D., Karawajew, L., AIEOP-BFM-FCM-MRD-Study Group, 2009. Monitoring treatment response of childhood precursor B-cell acute lymphoblastic leukemia in the AIEOP-BFM-ALL 2000 protocol with multiparameter flow cytometry: predictive impact of early blast reduction on the remission status after induction. *Arch. Pathol. Leukemia* 23: 528–534.
- Razzak, M., Naz, S., Zaib, A., 2018. Deep Learning for Medical Image Processing: Overview, Challenges and the Future. *Lect. Notes Comput. Vis. Biomech.* 323–350.
- Rollins-Raval, M.A., Raval, J.S., Contis, L., 2012. Experience with CellaVision DM96 for peripheral blood differentials in a large multi-center academic hospital system. *J. Pathol. Inform.* 3: 29.

- Ryan, D.H., 2015. Examination of Blood Cells, in: Williams Hematology. McGraw-Hill Education, New York, NY.
- Seiter, K., 2022. Acute Myeloid Leukemia (AML): Practice Essentials, Pathophysiology, Etiology. *Medscape*.
<https://emedicine.medscape.com/article/197802-overview>
- Sysmex, 2014. Sysmex XN Series XN-1000 Instruction for Use. *Sysmex XN Ser.*
URL <https://www.sysmex.co.id/product/xn-1000/?lang=id>
- Sysmex, 2022. CellaVision Hemaprep. URL <https://www.sysmex-europe.com/products/products-detail/cellavision-hemaprep.html>
- Tatsumi, N., Pierre, R.V., 2002. Automated image processing. Past, present, and future of blood cell morphology identification. *Clin. Lab. Med.* 22: 299–315, viii.
- VanVranken, S.J., Patterson, E.S., Rudmann, S.V., Waller, K.V., 2014. A survey study of benefits and limitations of using CellaVision DM96 for peripheral blood differentials. *Clin. Lab. Sci. J. Am. Soc. Med. Technol.* 27: 32–39.
- Vetter, T.R., Schober, P., Mascha, E.J., 2018. Diagnostic Testing and Decision-Making: Beauty Is Not Just in the Eye of the Beholder. *Anesth. Analg.* 127: 1085–1091.
- Viera, A.J., Garrett, J.M., 2005. Understanding Interobserver Agreement: The Kappa Statistic. *Fam Med.* 37: 360–3.
- Vu, Q., Van Hy, T., Tran, V.-T., Tran, N., Huynh, P., Nguyen, V., Le, D., 2021. Development of a robust blood smear preparation procedure for external quality assessment. *Pract. Lab. Med.* 27: e00253.
- Woronzoff-Dashkoff, K.K., 2002. The Wright-Giemsa stain: Secrets revealed. *Clin. Lab. Med.*, Interpretation of the Peripheral Blood Film 22: 15–23.