DAFTAR PUSTAKA

Agustina, A.I., Samad, R., Juliyani, S., Arif, M., 2023. Analysis of Reticulocyte Hemoglobin Equivalent in Routine and Non-Routine Blood Donors in Makassar. *Indones J Clinical Pathol Med Laboratory* 29, 159–163.

Alkindi, S., Al Musalami, A., Al Wahaibi, H., Althuraiya, A.S., Al Ghammari, N., Panjwani, V., Fawaz, N., Pathare, A., 2018. Iron deficiency and iron deficiency anemia in the adult omani population. *J Appl Hematol* 9, 11.

Almashjary, M.N., Barefah, A.S., Bahashwan, S., Ashankyty, I., ElFayoumi, R., Alzahrani, M., Assaqaf, D.M., Aljabri, R.S., Aljohani, A.Y., Muslim, R., Baawad, S.A., Bawazir, W.M., Alharthy, S.A., 2022. Reticulocyte Hemoglobin-Equivalent Potentially Detects, Diagnoses and Discriminates between Stages of Iron Deficiency with High Sensitivity and Specificity. *J Clin Med* 11, 5675.

Andriastuti, M., Ilmana, G., Nawangwulan, S.A., Kosasih, K.A., 2020. Prevalence of anemia and iron profile among children and adolescent with low socio-economic status. *Int J Pediatr Adolesc Med* 7, 88–92.

Anselmo, F.C., Ferreira, N.S., Mota, A.J. da, Gonçalves, M. de S., Albuquerque, S.R.L., Fraiji, N.A., Ferreira, A.C.D., Moura Neto, J.P. de, 2020. Deletional Alpha-Thalassemia Alleles in Amazon Blood Donors. *Adv Hematol* 2020, 1–6.

Auerbach, M., Staffa, S.J., Brugnara, C., 2021. Using Reticulocyte Hemoglobin Equivalent as a Marker for Iron Deficiency and Responsiveness to Iron Therapy. *Mayo Clin Proc* 96, 1510–1519.

Bailey, R.L., West Jr., K.P., Black, R.E., 2015. The Epidemiology of Global Micronutrient Deficiencies. *Ann Nutr Metab* 66, 22–33.

Barrera-Reyes, P.K., Tejero, M.E., 2019. Genetic variation influencing hemoglobin levels and risk for anemia across populations. *Ann N Y Acad Sci* 1450, 32–46.

Beguin, Y., 2003. Soluble transferrin receptor for the evaluation of erythropoiesis and iron status. *Clin Chim Acta* 329, 9–22.

Bó, S.D., Fragoso, A.L.R., Farias, M.G., Hubner, D.P.G., de Castro, S.M., 2023. Evaluation of RET-He values as an early indicator of iron deficiency anemia in pregnant women. *Hematol Transfus Cell Ther* 45, 52–57.

Brittenham, G.M., 2011. Iron deficiency in whole blood donors. *Transfusion* 51, 458–461.

Brugnara, C., Schiller, B., Moran, J., 2006. Reticulocyte hemoglobin equivalent (Ret He) and assessment of iron-deficient states. *Clin Lab Haematol* 28, 303–308.

Cable, R.G., Glynn, S.A., Kiss, J.E., Mast, A.E., Steele, W.R., Murphy, E.L., Wright, D.J., Sacher, R.A., Gottschall, J.L., Tobler, L.H., Simon, T.L., 2012. Iron deficiency in blood donors: the REDS-II Donor Iron Status Evaluation (RISE) study. *Transfusion* 52, 702–711.

Camaschella, C., Nai, A., Silvestri, L., 2020. Iron metabolism and iron disorders revisited in the hepcidin era. *Haematologica* 105, 260–272.

Chinudomwong, P., Binyasing, A., Trongsakul, R., Paisooksantivatana, K., 2020. Diagnostic performance of reticulocyte hemoglobin equivalent in assessing the iron status. *J Clin Lab Anal* 34, e23225.

Coskun, A., 2024. Bias in Laboratory Medicine: The Dark Side of the Moon. *Ann Lab Med* 44, 6–20.

Dalimunthe, N.N., Lubis, A.R., 2016. Usefulness of Reticulocyte Hemoglobin Equivalent in Management of Regular Hemodialysis Patients with Iron Deficiency Anemia. *Rom J Intern Med* 54, 31–36.

Dijkstra, A., van den Hurk, K., Bilo, H.J.G., Slingerland, R.J., Vos, M.J., 2019. Repeat whole blood donors with a ferritin level of 30 µg/L or less show functional iron depletion. *Transfusion* 59, 21–25.

El-Gendy, F.M., El-Hawy, M.A., Rizk, M.S., El-Hefnawy, S.M., Mahmoud, M.Z., 2018. Value of Soluble Transferrin Receptors and sTfR/log Ferritin in the Diagnosis of Iron Deficiency Accompanied by Acute Infection. *Indian J Hematol Blood Transfus* 34, 104–109.

Ferguson, E., Hill, A., Lam, M., Reynolds, C., Davison, K., Lawrence, C., Brailsford, S.R., 2020. A typology of blood donor motivations. *Transfusion* 60, 2010–2020.

Fillet, A., Martinaud, C., Malard, L., Le Cam, S., Hejl, C., Chenus, F., Woimant, G., Chueca, M., Jacquot, E., Besiers, C., Morel, P., Djoudi, R., Garrabé, E., Gross, S., 2021. Iron deficiency among French whole-blood donors: first assessment and identification of predictive factors. *Vox Sang* 116, 42–52.

Garcia-Casal, M.N., Pasricha, S.-R., Martinez, R.X., Lopez-Perez, L., Peña-Rosas, J.P., 2021. Serum or plasma ferritin concentration as an index of iron deficiency and overload. *Cochrane Database Sys Rev* 2021.

Gemelli, C.N., Hayman, J., Waller, D., 2017. Frequent whole blood donors: understanding this population and predictors of lapse. *Transfusion* 57, 108–114.

Girelli, D., Nemeth, E., Swinkels, D.W., 2016. Hepcidin in the diagnosis of iron disorders. *Blood* 127, 2809–2813.

Goldman, M., Uzicanin, S., Osmond, L., Scalia, V., O'Brien, S.F., 2017. A large national study of ferritin testing in Canadian blood donors. *Transfusion* 57, 564–570.

Goldman, M., Uzicanin, S., Scalia, V., O'Brien, S.F., 2014. Iron deficiency in Canadian blood donors. *Transfusion* 54, 775–779.

Greer, J., Arber, D., List, A., Foerster, J., 2014. *Wintrobe's Clinical Hematology*, 13th ed. Wolters Kluwer, Amsterdam.

Hoenemann, C., Ostendorf, N., Zarbock, A., Doll, D., Hagemann, O., Zimmermann, M., Luedi, M., 2021. Reticulocyte and Erythrocyte Hemoglobin Parameters for Iron Deficiency and Anemia Diagnostics in Patient Blood Management. A Narrative Review. *J Clin Med* 10, 4250.

Ibáñez-Alcalde, M.M., Vázquez-López, M.Á., Ruíz-Sánchez, A.M., Lendínez-Molinos, F.J., Galera-Martínez, R., Bonillo-Perales, A., Parrón-Carreño, T., 2018. Reference Values of Reticulocyte Hemoglobin Content in Healthy Adolescents. *J Pediatr Hematol Oncol* 40, 298–303.

International Society of Blood Transfusion, The International Haemovigilance Network, The AABB Donor Haemovigilance Working Group, 2014. *Standard for Surveillance of Complications Related to Blood Donation*. ISBT, Amsterdam.

Irawan, S.A.R., Indriani, V., Faniyah, F., 2021. Karakteristik Donor di RSUD Prof. Dr. Margono Soekarjo Tahun 2016 – 2020. *Sriwijaya J Med* 4, 186–193.

Iriani, A., Purnamasari, E., Wirawan, R., 2018. Nilai Rujukan Soluble Transferrin Receptor (sTfR). *Indones J Clinical Pathol Med Laboratory* 21, 211–214.

Kar, Y.D., Altınkaynak, K., 2021. Reticulocyte hemoglobin equivalent in differential diagnosis of iron deficiency, iron deficiency anemia and β thalassemia trait in children. *Turk J Biochem* 46, 45–51.

Karagülle, M., Gündüz, E., Mutlu, F.Ş., Akay, M.O., 2013. Clinical Significance of Reticulocyte Hemoglobin Content in the Diagnosis of Iron Deficiency Anemia. *Turk J Hematol* 30, 153–156.

Kasraian, L., Ashkani-Esfahani, S., Foruozandeh, H., 2021. Reasons of under-representation of Iranian women in blood donation. *Hematol Transfus Cell Ther* 43, 256–262.

Kaur, S., Mittal, K., Kaur, R., Kaur, G., Kaur, P., Sood, T., 2022. Reporting of delayed adverse donor reactions in whole blood donors: Just the tip of an iceberg! *Transfus Clin Biol* 29, 141–146.

Kementerian Kesehatan RI, 2015. *Peraturan Menteri Kesehatan Republik Indonesia Nomor 91 Tahun 2015 tentang Standar Pelayanan Transfusi Darah*. Kementerian Kesehatan RI, Jakarta.

Keohane, E.M., Smith, L.J., Walenga, J.M., 2020. *Rodak's Hematology: Clinical Principles and Applications*, 6th ed. Elsevier, St. Louis.

Kittisares, K., Palasuwan, D., Noulsri, E., Palasuwan, A., 2019. Thalassemia trait and G6PD deficiency in Thai blood donors. *Transfusi Apher Sci* 58, 201–206.

Kumar, R., Kaur, P., Verma, K., Rajeev, K., Bhaskar, B., Kumar, S., 2023. Delayed adverse reaction in donors after whole blood donation: Is it a matter of concern? *Transfus Clin Biol* 30, 232–237.

Lian, Y., Shi, J., Nie, N., Huang, Z., Shao, Y., Zhang, J., Huang, J., Li, X., Ge, M., Jin, P., Wang, M., Zheng, Y., 2019. Reticulocyte Hemoglobin Equivalent (Ret-He) Combined with Red Blood Cell Distribution Width Has a Differentially Diagnostic Value for Thalassemias. *Hemoglobin* 43, 229–235.

McCullough, J., 2021. *Transfusion Medicine*, 5th ed. John Wiley & Sons Ltd, West Sussex.

McPherson, R., Pincus, M., 2022. *Henry's Clinical Diagnosis and Management by Laboratory Methods*, 24th ed. Elsevier, Philadelphia.

Mehta, S., Goyal, L.K., Kaushik, D., Gulati, S., Sharma, N., Harshvardhan, L., Gupta, N., 2016. Reticulocyte Hemoglobin vis-a-vis Serum Ferritin as a Marker of Bone Marrow Iron Store in Iron Deficiency Anemia. *J Assoc Physicians India* 64, 38–42.

Morkis, I.V.C., Farias, M.G., Scotti, L., 2016. Determination of reference ranges for immature platelet and reticulocyte fractions and reticulocyte hemoglobin equivalent. *Rev Bras Hematol Hemoter* 38, 310–313.

Murphy, M.F., Roberts, D.J., Yazer, M.H., Dunbar, N.M., 2022. *Practical Transfusion Medicine*, 6th ed. John Wiley & Sons Ltd, West Sussex.

Nemeth, E., Ganz, T., 2023. Hepcidin and Iron in Health and Disease. *Annu Rev Med* 74, 261–277.

Nuinoon, M., Kruachan, K., Sengking, W., Horpet, D., Sungyuan, U., 2014. Thalassemia and Hemoglobin E in Southern Thai Blood Donors. *Adv Hematol* 2014, 1–6.

Nurulita, Purnamaningsih, N., Hardjo, K., 2022. Gambaran Hasil Seleksi Pendonor Darah Sukarela di UDD PMI Kota Pangkalpinang Tahun 2020. *Jurnal Kesehatan* 15, 23–29.

Patel, E.U., White, J.L., Bloch, E.M., Grabowski, M.K., Gehrie, E.A., Lokhandwala, P.M., Brunker, P.A.R., Goel, R., Shaz, B.H., Ness, P.M., Tobian, A.A.R., 2019. Association of blood donation with iron deficiency among adolescent and adult females in the United States: a nationally representative study. *Transfusion* 59, 1723–1733.

Pawlak, R., Berger, J., Hines, I., 2018. Iron Status of Vegetarian Adults: A Review of Literature. *Am J Lifestyle Med* 12, 486–498.

Peerschke, E.I.B., Pessin, M.S., Maslak, P., 2014. Using the Hemoglobin Content of Reticulocytes (RET-He) to Evaluate Anemia in Patients with Cancer. *Am J Clin Pathol* 142, 506–512.

Pereira, I., George, T.I., Arber, D.A., 2012. *Atlas of Peripheral Blood: The Primary Diagnostic Tool*. Wolters Kluwer Health, Philadelphia.

Prakash, S., Das, P.K., Mishra, D., Ray, G.K., Routray, S., Naik, A., Mukherjee, S., 2020. Incidence and risk predictors analysis of adverse donor reactions in whole blood donation. *Transfus Clin Biol* 27, 207–212.

Ramljak, S., Musholt, P.B., Schipper, C., Flacke, F., Sieber, J., Borchert, M., Forst, T., Pfützner, A., 2013. The Precision study: examining the inter- and intra-assay variability of replicate measurements of BGStar, iBGStar and 12 other blood glucose monitors. *Expert Opin Med Diagn* 7, 511–516.

Reddy, V., Shastry, S., Raturi, M., Baliga B, P., 2020. Impact of Regular Whole-Blood Donation on Body Iron Stores. *Transfus Med Hemother* 47, 75–79.

Rifai, N., Chiu, R.W.K., Young, I., Burnham, C.-A.D., Wittwer, C.T., 2023. *Tietz Textbook of Laboratory Medicine*, 7th ed. Elsevier, Missouri.

Ringoringo, H.P., Purnamasari, L., Yunanto, A., Syahadatina, M., Hidayah, N., 2023. Reference range of complete blood count, Ret-He, immature reticulocyte fraction, reticulocyte production index in healthy babies aged 1–4 months. *Sci Rep* 13, 423.

Roche, 2023. *Elecsys Ferritin Package Insert*. Roche Diagnostics GmbH, Mannheim.

Saito, H., 2019. Storage Iron Turnover from a New Perspective. *Acta Haematol* 141, 201–208.

Salam, S., Hassane, B., Jérôme, K., Koumpingnin, N., Abou, C., Abdoul-Guaniyi, S., Donatien, K., Paul, Y.A., Veronique, D., Eléonore, K., 2020. Added-Value of Reticulocyte Haemoglobin Equivalent in the Early Diagnosis of Iron Deficiency States among Blood Donors: A Pilot Study in Burkina Faso. *Health Sci Dis* 21, 1–8.

Scaramellini, N., Fischer, D., Agarvas, A.R., Motta, I., Muckenthaler, M.U., Mertens, C., 2023. Interpreting Iron Homeostasis in Congenital and Acquired Disorders. *Pharmaceuticals* 16, 329.

Shin, D.H., Kim, H.S., Park, M.J., Suh, I.B., Shin, K.S., 2015. Utility of Access Soluble Transferrin Receptor (sTfR) and sTfR/log Ferritin Index in Diagnosing Iron Deficiency Anemia. *Ann Clin Lab Sci* 45, 396–402.

Simon, T.L., Gehrie, E.A., McCullough, J., Roback, J.D., Snyder, E.L., 2022. *Rossi's Principles of Transfusion Medicine*, 6th ed. John Wiley & Sons, West Sussex.

Sinclair, A., 2013. Erythropoiesis stimulating agents approaches to modulate activity. *Biologics* 7, 161–174.

Soppi, E.T., 2018. Iron deficiency without anemia - a clinical challenge. *Clin Case Rep* 6, 1082–1086.

Suria, N., Kaur, R., Mittal, K., Palta, A., Sood, T., Kaur, P., Kaur, G., 2022. Utility of reticulocyte haemoglobin content and immature reticulocyte fraction in early diagnosis of latent iron deficiency in whole blood donors. *Vox Sang* 117, 495–503.

Symvoulakis, E.K., Lydaki, E., Bolonaki, I., Nikoloudi, I., Kozyraki, M., Fountouli, P., 2009. Post donation adverse reactions among Greek blood donors: A preliminary report based on phone interviews. *Transfus Apher Sci* 41, 77–78.

Sysmex Europe, n.d. The optional reticulocyte count application 'RET' [Internet]. Sysmex Europe. Tautan: https://www.sysmex-europe.com/academy/knowledge-centre/technologies/reticulocyte-count-application-ret.html (diakses 21 Juli 2023).

Teixeira, C., Barbot, J., Freitas, M.I., 2015. Reference values for reticulocyte parameters and hypochromic RBC in healthy children. *Int J Lab Hematol* 37, 626–630.

Tiwari, A.K., Aggarwal, G., Dara, R.C., Arora, D., Srivastava, K., Raina, V., 2017. Post-donation telephonic interview of blood donors providing an insight into delayed adverse reactions: First attempt in India. *Transfus Apher Sci* 56, 141–146.

Tiwari, A.K., Bhardwaj, G., Arora, D., Aggarwal, G., Pabbi, S., Dara, R.C., Sachdev, R., Raizada, A., Sethi, M., 2018. Applying newer parameter Ret-He (reticulocyte haemoglobin equivalent) to assess latent iron deficiency (LID) in blood donors–study at a tertiary care hospital in India. *Vox Sang* 113, 639–646.

Toki, Y., Ikuta, K., Kawahara, Y., Niizeki, N., Kon, M., Enomoto, M., Tada, Y., Hatayama, M., Yamamoto, M., Ito, S., Shindo, M., Kikuchi, Y., Inoue, M., Sato, K., Fujiya, M., Okumura, T., 2017. Reticulocyte hemoglobin equivalent as a potential marker for diagnosis of iron deficiency. *Int J Hematol* 106, 116–125.

Turawa, E., Awotiwon, O., Dhansay, M.A., Cois, A., Labadarios, D., Bradshaw, D., Pillay-van Wyk, V., 2021. Prevalence of Anaemia, Iron Deficiency, and Iron Deficiency Anaemia in Women of Reproductive Age and Children under 5 Years of Age in South Africa (1997–2021): A Systematic Review. *Int J Environ Res Public Health* 18, 12799.

van Swelm, R.P.L., Wetzels, J.F.M., Swinkels, Dorine.W., 2020. The multifaceted role of iron in renal health and disease. Nat Rev Nephrol 16, 77–98.

Vinkenoog, M., Hurk, K., Kraaij, M., Leeuwen, M., Janssen, M.P., 2020. First results of a ferritin-based blood donor deferral policy in the Netherlands. *Transfusion* 60, 1785–1792.

Vogt, A.-C.S., Arsiwala, T., Mohsen, M., Vogel, M., Manolova, V., Bachmann, M.F., 2021. On Iron Metabolism and Its Regulation. *Int J Mol Sci* 22, 4591.

Westgard QC, 2014. Optimal Biological Variation database specifications [Internat]. Tautan: https://www.westgard.com/optimal-biodatabase1htm.htm (diakses 7 Januari 2024).

World Health Organization, 2012. *Blood Donor Selection: Guidelines on Assessing Donor Suitability for Blood Donation*. World Health Organization, Geneva.

World Health Organization, 2018. *Blood Transfusion Services in South-East Asia Region. A 5-year Review*. World Health Organization, Geneva.

World Health Organization, 2020. *WHO Guideline on Use of Ferritin Concentrations to Assess Iron Status in Individuals and Populations*. World Health Organization, Geneva.

World Health Organization, 2022. *Global Status Report on Blood Safety and Availability 2021*. World Health Organization, Geneva.

Yiannikourides, A., Latunde-Dada, G., 2019. A Short Review of Iron Metabolism and Pathophysiology of Iron Disorders. *Medicines* 6, 85.

Yoon, S.H., Kim, D.S., Yu, S.T., Shin, S.R., Choi, D.Y., 2015. The usefulness of soluble transferrin receptor in the diagnosis and treatment of iron deficiency anemia in children. *Korean J Pediatr* 58, 15.

Zady, M.F., 1999. Z-4: Mean, Standard Deviation, And Coefficient of Variation [Internet]. Tautan: https://www.westgard.com/lesson34.htm (diakses 21 November 2023).