

DAFTAR PUSTAKA

- Adamson, J. 2010. Iron Deficiency and Other Hypoproliferative Anemias. Dalam: *Harrison's Hematology and Oncology*. Longo D, ed. 17th Eds. New York: McGraw Hill. pp. 70-80.
- Akagi, S., H. Ichikawa, T. Okada, A. Sarai, T. Sugimoto, and H. Morimoto. 2004. The Critical Role of Src Homology Domain 2-Containing Tyrosine Phosphatase-1 in Recombinant Human Erythropoietin Hyporesponsive Anemia in Chronic Hemodialysis Patients. *Journal of the American Society of Nephrology*. 15(12): 3215-3224
- Alper, A.B. 2012. *Uremia*. Medscape Reference Drugs, Diseases and Procedures. p.1-5. Tersedia dari :
<http://emedicine.medscape.com/article/245296-overview#a0101>
(Accessed on Januari 2, 2014)
- Anderson G.J., and C.D. Vulpe. 2010. *The Cellular Physiology of Iron*. Dalam: *Iron Deficiency And Overload From Basic Biology to Clinical Medicine*. Yehuda S, and D.I. Mostofsky, ed. New York: Springer; pp. 3-91
- Andrews N.C. 1999. Disorders of iron metabolism. *N.Engl.J Med*, 341(26):1986-95.
- Andrews N. C. 2004. Iron Deficiency and Related Disorders. Dalam: *Wintrobe's Clinical Hematology*. Greer G, F. Paraskevas, B. Glader, eds. Philadelphia: Lippincott, Williams, Wilkins, pp. 947-1009
- Babitt, J.L., and H.Y. Lin. 2010. Molecular mechanism of hepcidin regulation: implication for the anemia of CKD. *Am J Kidney Dis*. 55(4): 726-741.
- Bayele, H.K., and S.K.S. Sray. 2009. Genetic variation in hepcidin expression and its implication for phenotypic differences in iron metabolism. *Haematologica*, 94(8): 1185-1188.
- Bell, A., and D.M. Harmening. 2009. Morphology of Human Blood and Marrow Cells. Dalam: *Clinical Hematology and Fundamentals of Hemostasis*. Harmening DM, ed. Philadelphia: FA Davis Company, pp. 1-91

- Besarab, A. 2001. Evaluating iron sufficiency: A clearer view (editorial). *The International Society Of Nephrology*. 60 :2412–14.
- Bohlen, V., O. Halbach, and R. Dermietzel, 2006. Neurotransmitters and Neuromodulators: Handbook of Receptors and Biological Effect, hlm. 70–76 Tersedia dari: <http://books.google.com/books> (Accessed on Januari 2, 2014)
- Brugnara, C., Schiller B, Moran J. 2006. Reticulocyte Hemoglobin Equivalent and Assessment of Iron-Deficient States. *Journal of Clinical and Laboratory Haematology*. 28(5):303-8.
- Buttarello, M., V. Temporin, R. Ceravolo, G. Farina, and P. Bulian. 2004. The New Reticulocyte Parameter (RET-Y) of the Sysmex XE 2100 Its Use in the Diagnosis and Monitoring of Posttreatment Sideropenic Anemia. *Am J Clin Pathol*. 121:489-95.
- Buttarello, M, R. Pajola, E. Novello, M. Rebeschini, S. Cantaro, and F. Oliosio. 2010. Diagnosis of Iron deficiency in Patient Undergoing Hemodialysis. *Am J Clin Pathol*. 133:949-54.
- Caro, J. 2006. *Anemia of Chronic Renal Failure*. In: *Williams Textbook of Hematology*. Lichtman M, T. Kipps, K. Kaushansky, E. Beutler, U. Seligshon, J. Prchal, eds. New York: McGraw Hill, pp. 449-57
- Dale, C.J., M.F. Burritt, and A.R. Zinsmeister. 2002. *Diurnal Variation of Serum Iron, Iron Binding Capacity, Transferrin Saturation and Ferritin Levels*. *Am J Clin Pathol*. 117:802.
- Dalimunthe, N.N. 2012. Peningkatan Nilai Parameter Status Besi Reticulocyte Hemoglobin Equivalent Setelah Pemberian Suplemen Besi Intravena Pada Pasien Hemodialisa Reguler. *Thesis*. Universitas Sumatera Utara. Medan. Indonesia.
- Darshan, D., Frazer, D.M., Milkins S.J *et al*. 2010. Severe iron deficiency blunts the response of the iron regulatory gene Hmp and pro-inflammatory cytokines to lipopolysaccharide. *Haematologica*. 95(10): 1660- 1668
- Elabscience. 2014. Human Hpc (Hepcidin) ELISA Kit. Cat. No. E-EL-H0077. Available in <http://www.elabscience.com>. (Accessed on Januari 2, 2014)

- Eguchi, A, T. Mochizuki, M.Tsukada,*et.al.* 2012.SerumHepcidin Levels and Reticulocyte HemoglobinConcentrations as Indicators of the Iron Status of Peritoneal Dialysis Patients. *Int J of Nephrology*, p.1-7. doi:10.1155/2012/239476
- Ganz, T. 2003. Hepcidin, a key regulator of iron metabolism and mediator of anemia of inflammation. *Blood*, 102(3): 783-788. Available in : <http://Bloodjournal.hematologylibrary.org/> (Accessed on Januari 2, 2014)
- Ganz, T., and E.Nemeth. 2012. Hepcidin and Iron Homeostatis. *Biochim Biophys Acta*. 1823(9): 1434–1443.
- Gray, M, S.E.Huether and, B.A.Forshee. 2006. Alterations of Renal and Urinary Tract Function. Dalam: *Pathophysiology: The Biologic Basis for Disease in Adults and Children*. McCance KL, S.E.Huether, ed. St Louis Missouri: Mosby Elsevier, pp. 1316.
- Haroon, Z, K.Amin, X.Jiang, and M.Arcasoy, 2003. A Noverl Role for Erythropoietin During Fibrin Induced Wound Healing Respon. *Am J Pathol*, 163(3): 993-1000.
- Henrika, F. 2012. *Peran Transferin dalam diagnostik laboratorium*. Dalam: Pendidikan Kedokteran Berkesinambungan Patologi Klinik. Oesman, F., dan I.S.Timan, ed.p.1-9.
- Hillman, R., K..Ault, and H.Rinder. 2005. Clinical Approach to Anemia. Dalam : *Hematology in Clinical practice: A Guide to Diagnosis and Management*. Ault K, ed.New York: McGraw Hill, pp. 12-40.
- Higgs, D.R., and W.G.Wood. 2005. Erythropoiesis. Dalam: *Postgraduate Hematology*. 5th Eds. Hoffbrand,AV, D.Catovsky,EGD.Tudenham, ed. Massachusetts: Blackwell Publishing, pp. 13-25.
- Hoffbrand, A.V., P. A.H. Moss, and J.E.Pettit. 2006. Erythropoiesis and General Aspects of Anemia. Dalam : *Essential Haematology*. 5th Eds. Massachusetts: Blackwell Publishing, pp. 12-42.
- Horl, W. 2009. Iron Therapy in Patients With Chronic Kidney Disease: Taking the High Road.*Port J Nephrol Hypert*. 23(1):5–10.
- Jonckheere, S, J. Dierick, H. Vanhouteghem, M. Devleeschouwer, and V.Stove. 2010. Erythrocyte Indices in the Assessment of Iron Status

- in Dialysis Dependent Patients with End State Renal Disease on Continuous Erythropoietin Receptor Activator versus Epoetin Beta Therapy. *Acta Haematol* , 124:27-33.
- Kalantar-Zadeh K, Rodriguez RA, Humpreys MH. 2004. Association Between Serum Ferritin and Measures of Inflammation, Nutrition and Iron in Hemodialysis Patients. *Nephrol Dial Transplant*. 19:141-9.
- Krause, A., S.Neitz, H.J.Magert. *et al*, 2000. LEAP-1, a novel highly disulfide-bonded human peptide, exhibits antimicrobial activity. *FEBS Lett*, 480: 147-150
- Kemna, E.H.J.M, A.E.R. Kartikasari, L.H.J. Van Tits *et al*, 2008. Regulation of hepcidin: insight from biochemical analysis on human serum sample. *Blood Cells MolDis*, 40:339-346
- Kulaksiz, H,S.G.Gehrke,A.Janetzko, *et al*. 2004. Pro hepcidin : expression and cell spesific localisation in the liver and its regulation in hereditary haemochromatosis, chronic renal insufficiency, and renal anemia. *Gut*, 53:735-743.
- Malyszko, J., J.S.Malyszko, K.Pawlak *et al*. 2006. Hepcidin, iron status, and renal function in chronic renal failure, kidney transplantation and hemodialisa. *Am J Hematol*, 81: 832-837.
- Malyszko, J., E.K. Żorawska, N.L.Iaina, and J. Małyszko. 2012. New parameters in iron metabolism and functional iron deficiency in patients on maintenance hemodialysis
- Marziah, C. 2011. Gambaran Cadangan Besi Menggunakan Retikulosit Hemoglobin (Ret.He) Pada Penderita Penyakit Ginjal Kronis Yang Menjalani Dialisis Reguler. *Thesis*. Universitas Sumatera Utara.Medan.Indonesia.
- Macdougall,I.C., J.Malyszko, R.C.Hider, and S.S.Bansal. 2010.Current Status of the Measurement of Blood Hepcidin level in Chronic Kidney Disease. *Clin J Am Soc Nephrol*, 5: 1681–1689.
- Macdougall, I.C. 2012. New Anemia Therapies: Translating Novel Strategies From Bench to Bedside. *Am J Kidney Dis*, 59(3):444-51.
- Mast, A.E., M.A.Blinder, and J.P.Dietzen, 2008. Reticulocyte hemoglobin content. *Am. J. Hematol*, 83:307–10.

- Miwa, N, Akiba, T, Kimata, H *et al.* 2010. Usefulness of measuring reticulocyte hemoglobin equivalent in the management of hemodialysis patients with iron deficiency. *Int Jnl Lab Hem*, vol. 32, pp. 248-55.
- National Kidney Foundation. 2002. KDOQI Clinical Practice Guidelines for Chronic Kidney Disease: Evaluation, Classification and Stratification. *Am J Kidney Dis* 39:S1-S266, (suppl 1)
- Nasional Kidney Foundation. 2006. *KDOQI Clinical Practice Guidelines and Clinical Practice Recommendation for Anemia in Chronic Kidney Disease in Adults*. *Am J Kidney Dis*. 47: S16-85.
- Nemeth, E., S.Rivera, V.Gabayan, *et al.* 2004. IL-6 mediates hypofenemia of inflamrnation by inducing the synthesis of the iron regulatory hormone hepcidin. *J Clin Invest*, 113:1271-1276.
- Nicolas, G. 2001. Lack of hepcidin gene expression and severe tissue iron overload in upstream stimulatory factor 2 (USF2) knockout mice. *Proc Natl Acad Sci USA*, 98:8780-8785.
- Ozbek, N. 2010. Concise review: Absorption and transport of iron. *Medical Journal Of Islamic World Academy Of Sciences*, 18(4):133-8
- Pagana, K.D.,and T.J.Pagana, 2010. *Mosby's Manual of Diagnostic and Laboratory Tests*. 4rd. Eds. St Louis, Missouri: Mosby Elsevier; pp. 234-5.
- Pardede, D.K.B. 2013. Hepsidin: Peranannya dalam patogenesis dan implikasinya terhadap tatalaksana anemia pada penyakit ginjal kronis. *Cermin Dunia Kedokteran*, Vol.40, No.5, hal. 337-341
- Park, C.H., EV.Valone, A.J.Waring, and T.Ganz, 2001. Hepsidin, a urinary antimicrobial peptide synthesized in the liver. *J. Biol Chem*, 278:7806-10. Available in: <http://bloodjournal.hematologylibrary.org> (accessed on january 2, 2014).
- Peters, H.P.E, C.M.M.Laarackers, D.W.Swinkels, *et al.* 2010. Serum hepcidin-25 levels in patients with chronic kidney disease areindependent of glomerular filtration rate. *Nephrol Dial Transplant* , 25: 848-853

- Perhimpunan.Nefrologi.Indonesia (PERNEFRI). 2011. Konsensus Manajemen Anemia pada Penyakit Ginjal Kronik. Edisi ke-2. Jakarta. hlm.1-31.
- Pigeon, C, G.Ilyin, B.Coursecloud *et al.* 2001. A new mouse liver-spesific gene, encoding a protein homologous to human antimicrobial peptide hepcidin, is overexpressed during iron overload. *J Biol Chem*, 276: 7811-7819.
- Rachmiwatie, A. 2013a. Validitas Reticulocyte Hemoglobin sebagai Penanda Anemia Defisiensi Besi Absolut Pada Penderita Gagal Ginjal Terminal dengan Hemodialisa Rutin. *Thesis*. Universitas Padjajaran. Bandung. Indonesia
- Rachmiwatie, A. Noormartany, R.S.Gondodiputro, dan D.Prihatni. 2013b. Kadar Hemoglobin Retikulosit di Anemia dan Nonanemia Akibat Defisiensi Besi Absolut di Gagal Ginjal Terminal Terkait Hemodialisa. *Indonesian Journal Of Clinical Pathology and Medical Laboratory*. 2(1): 32-39.
- Roche. 2005a. Ferritin. *Method Manual* 5th ed. Cobas Integra, p.1-3
- Roche. 2005b. Serum Iron. *Method Manual* 5th ed. Cobas Integra, p.1-3.
- Roche. 2005c. UIBC. *Method Manual* 5th ed. Cobas Integra, p.1-3.
- Rozenberg, G. 2011. Microscopic haematology: a practical guide for the laboratory. 3rd *Ed.* Castwood, New South Wales: Churchill Livingstone Elsevier. pp.5
- Rubab,Z., H. Amin, K. Abbas, S. *et.al.* 2015.Serum Hepcidin Levels in Patients with End-Stage Renal Disease on Hemodialysis. *Saudi J Kidney Dis Transpl.* 26(1):19-25. Available in : <http://www.sjkd.org>. (Diunduh 9 Februari 2016).
- Skorecki, K, J.Green, and B.Brenner. 2005.Chronic Renal Failure. In: *Harrison's Principles of Internal Medicine*. Kasper B, and Fauci, ed.New York: McGraw Hill, hlm. 1551-61.
- Smith, L. 2012. Hematopoiesis. Dalam: *Clinical Principles and Applications*. Rodak B, G.Fritsma, E.Keohane, eds. St Louis-Missouri: Elsevier-Saunders. pp. 66-82.

- Spinowitz, B., A.Kausz, J.Baptista, S.Noble, R.Sotinanthan, and M.Bernardo . 2008. Ferumoxytol for Treating Iron Deficiency Anemia in Chronic Kidney Disease. *J Am Soc Nephrol*, 19:1599-605.
- Swinkels, D.W., and J.F.Wetzels. 2008. *Hepcidin: a new tool in the management of anaemia in patients with chronic kidney disease?*. *Nephrol Dial Transplant*, 23:2450-2453.
- Sysmex Corporation. 2007. Principle for Measuring Reticulocytes with XE 5000 and XE 2100, Making Use of Bioimaging Technology. p.1-4. Tersedia dari: <http://www.sysmex.de/files/fl/Image>. [diunduh 28 Maret 2015]
- Sysmex. 2010. Sysmex XT-4000i Instructions for use. Sysmex Corporation Japan, p.1-24.
- Taheri N, Gh.Roshandel, M. Mojerloo, *et.al*. 2015. Comparison of Serum Levels of Hepcidin and Pro-hepcidin in Hemodialysis Patients and Healthy Subjects. *Saudi J Kidney Dis Transpl*, 26(1):34-38.
- Tessitore, N., G.P.Solero, G.Lippi, *et al*. 2001, The role of iron status markers in predicting response to intravenous iron in haemodialysis patients on maintenance erythropoietin. *Nephrol Dial Transplant*, vol. 16, pp. 1416-23.
- Teddy 2011. Hubungan hepcidin dengan feritin serum pasien anemia defisiensi besi pada penyakit Ginjal Kronik. *Thesis*. Universitas Andalas, Padang.Indonesia
- Ullrich, C., A.Wu, C.Armsby, S.Rieber, S.Wingerter, and C.Brugnara, 2005. Screening Healthy Infants for Iron Deficiency Using Reticulocyte Hemoglobin Content. *JAMA*. 294(8):924-30.
- Vaisman, B., E.G.Meyron-Holtz, E.Fibach, A.M.Krichevsky, and A.M.Konijin, 2000. Ferritin expression in maturing normal human erythroid precursors. *British Journal of Haematology* , 110:394-401
- Watnick, S., and G.Morrison. 2008. Kidney Disease. In: *Current Medical Diagnosis and Treatment*. 47th Eds. McPhee S, M.Papadakis, L.Tierney, ed. New York: McGraw Hill, pp. 785-815.
- Weiss G., and L.T.Goodnough, 2005. Anemia of Chronic Disease. *N. Engl. J Med*, 352:1011-1023.

- Worwood, M, and A.V.Hoffbrand. 2005. *Iron metabolism, iron deficiency and disorders of haem synthesis*.In: Hoffbrand VA,Catovsky D,Tuddenham EG editor. Postgraduate Haematology 5th ed. Oxford: Blackwell, p.26-43.
- World Health Organization. 2004. Assessing the iron status.WHO, p.5-95
- Widiana, I. 2007. Distribusi geografis penyakit ginjal kronik di Bali: Komparasi formula Cockroft-Gault dan formula Modification of diet in renal disease. *Jurnal Penyakit Dalam*. 8(3):199-204.
- Wilson, L. 2006. End State Renal Disease: Uremic Syndrome. In: *Pathophysiology: Clinical Concepts of Disease Processes*. Price S, and L.Wilson, ed. Massachusetts: Mosby Elsevier, hlm. 954-5
- Wish, J.B., 2006. Assessing iron status: Beyond serum ferritin and transferin saturation, *Clin J Am Soc Nephrol*, vol.1, pp. S4-S8.
- Wysocka, J., and D.Turowski. 2000. New Reticulocyte Indices and Their Utility in Hematologic Diagnosis. *Pubmed ncbnlm.nih.gov*. 49:498-502.
- Yang, Q, J.Jian, S.Katz, S.B.Abramson, and X.Huang. 2012. 17 Beta Estradiol Inhibits Iron Hormone Heparin Through an Estrogen Responsive Element Half-Site. *Endocrinology*.153(7):2011-45.
- Yuliyanti, A. 2010. Tingkat Spiritualitas pada Pasien Gagal Ginjal Kronik Dengan Hemodialisa di Unit Hemodialisa Rumah Sakit PKU Muhammadiyah Yogyakarta. Yogyakarta: Muhammadiyah, hlm.2-3.
- Zhang, D., E.M.Holtz, and T.Rouault. 2007. Renal Iron Metabolism: Transferrin Iron Delivery and the Role of Iron Regulatory Proteins. *J Am Soc Nephrol*, 18:401-6.
- Zhang P, L.-N. Yang, G. Wang, F.-E. Li, F. Tang. 2014. Serum hepcidin level and its clinical significance in maintenance hemodialysis patients.*Genet. Mol. Res*. 13 (4): 9883-9888.
- Zaritsky, J., B.Young, and B.Gales, *et al*. 2010. Reduction of Serum Hepcidin by Hemodialysis in Pediatric and Adult Patients. *Clin J Am Soc Nephrol* , 5: 1010-1014