

## DAFTAR PUSTAKA

- Adam F, Bellairs IG, Bird R, and Oguntibeju O, 2015, 'Biochemical Storage Lesions Occuring in Nonirradiated Red Blood Cells', *Biomedical research International*, Vol.1, pp 1-17.
- American Association of Blood Banks, 2005, 'Collection, Preparation, Storage, and Distribution of Components From Whole Blood Donations' In *Technical Manual*, 15th Edition, United States, pp 175-9, 185-96.
- American Society of Hematology, 2012, 'Red Blood Cells as A Therapeutic Product' In *Clinical Practice Guide on Red Blood Cells Transfusion Quick Reference*, University of Massachusetts Medical School, pp 1-4.
- Azarov I, Liu C, Reynolds H, Tsekouras Z, Lee JS, Gladwin MT *et al.*, 2011, 'Mechanism of Slower Nitric Oxide Uptake by Red Blood Cells and Other Hemoglobin-containing Vesicles', *Journal of Biological Chemistry*, pp 53-98.
- Beutler E, 2007, 'Preservation and Clinical Use of Erythrocyte and Whole Blood: Overview' In *William Haematology*. 7th Edition, McGraw Hill, pp 2287-2301.
- Bioscience, 2010, Nitric Oxide Detection Kit
- Brecher ME, 2005, 'Technical Manual' In *American Association of Blood Banks*, 15th Edition, United States, pp 1-6, 175-99, 483-8, 633-61.
- Bughardt D, 2004, 'Component Preparation and Storage' In *Handbook of Pediatric Transfusion Medicine*, Elsevier, pp 11-43.
- Callan MB, Patel RT, and Rux AH, 2013, 'Transfusion of 28 Days Old Laucoreduced or Nonreduced Stored Red Blood Cells Induces an Inflammatory Response', *Biomedical Research International*, pp 1-9.
- Cohen B, and MatotI, 2013, 'Aged Erythrocytes: a Fine Wine or Sour Grapes?', *British Journal of Anaesthesia*, Vol.111(51), pp 162-70.
- Chen D, Serrano K, Devine DV, 2016, 'Introducing the Red Cell Storage Lesion', *International Society of Blood Transfusion*, Vol.11(1), pp 26-33.
- Combs M, Denomme G, Grosman B, Haley N, Harris T, Jett W *et al.*, 2005, 'Apheresis' In *Blood Bank Technical Manual*, 15th Edition, USA: AABB, pp 139-58, 483-515, 799-817.
- Dunne J, Caron A, Buehler PW, Wilson MT, Silaghi D *et al.*, 2006, 'Ascorbate Removes Key Precursors To Oxidative by Cell Free Hemoglobin in vitro and in vivo', *Biochemical Society*, pp 513-21.
- Dahlan S, 2012, 'Konsistensi Menentukan Besar Sampel' Dalam *Langkah-langkah Membuat Proposal Penelitian Bidang Kedokteran dan Kesehatan*, Jakarta: Sagung Seto, hal 80-5
- Donadee C, Raat NJH, Kaniyas T, Tejero J, Lee JS, Kelley EE *et al.*, 2011, 'Nitric Oxide Scavenging By Red Blood Cell Microparticles and Cell-Free

- Hemoglobin as a Mechanism for the Red Blood Cell Storage Lesion', *Circulation*, Vol.124, pp 465-76.
- Dos Santos MN, 2015, 'Haptoglobin: an Emerging Candidate for Phenotypic Modulation of Sickle Cell Anemia?', *Brazilian Journal of Hematology and Hemotherapy*, Vol.37(6), pp 361-3.
- Fasano R, Luban NL, 2008, 'Blood Component Therapy', *Pediatric Clinic*, pp 21-7.
- Forstermann U, Sessa WC, 2012, 'Nitric Oxide Synthases: Regulation and Function', *European Heart Journal*, Vol.33, pp 829-37.
- Galel SA, Nguyen DD, Fontaine MJ, Goodnough LT, Viele MK, 2009, 'Transfusion Medicine' In *Wintrobe's Clinical Hematology* 12th Edition, Lippincott Williams & Wilkins.
- Gottschal J, and Menitove J, 2002, 'Transfusion Blood and Blood Component' In *Manual of Clinical Haematology*, 3rd edition, Lippincott Williams & Wilkins, pp 371-9.
- Guerrero EB, Veldman TH, Doctor A, Telen MJ, Ortel TL, Reid S *et al.*, 2007, 'Evolution of Adverse Changes in Stored RBCs', *PNAS*, Vol.104(43), pp 17063-8.
- Hess JR, 2014, 'Measures of Stored Red Blood Cell Quality', *Vox Sanguinis Journal*, Vol.107(1), pp 1-9.
- Hoffbrand AV, and Moss PA, 2011, 'Erythropoiesis' In *The Textbook Essential Haematology*, 6th Edition, Blackwell Science, pp 11-20.
- Hughes VC, and Wright PA, 2005, 'Donor Screening and Component Preparation' In *Modern Blood Banking and Transfusion Practice*, 5th Edition, Philadelphia, pp 226-36.
- Jerca L, Jerca O, Mancas G, Constantinecu I, Lupusoru R, 2002, 'Mechanism of Action and Biochemichemical Effects of Nitric Oxide', *The Journal of Preventive Medicine*, Vol.19(2), pp 35-45.
- Jones H, Blinder M, Anadkat M, 2013, 'Cutaneous Manifestation of Sickle Cell Disease', *Journal of Blood Disease*, Vol.3(3), pp 1-7.
- Kanias T, Gladwin MT, 2012, 'Nitric Oxide, Hemolysis, dan The Red Blood Cell Storage Lesion: Interactions Between Transfusion, Donor, and Recipient', *Transfusion*, Vol.52(7), pp 1-4.
- Kato GJ, 2012, 'Understanding the Erythrocyte Storage Lesion', *Anesthesiology*, Vol. 117(6), pp 1159-61.
- Kim-Shapiro DB, Lee J, Gladwin MT, 2011, 'Storage Lesion. Role of Red Cell Breakdown', *Transfusion*, Vol.51(4), pp 844-51.
- Kor DJ, Van Buskirk CM, Gajic O, 2009, 'Red Blood Cell Storage lesion', *Bosnian Journal of Basic Medical Science*, Vol. 9(1), pp 21-7.
- Liu C, 2011, 'The Role of Nitric Oxide In The Blood Storage Lesion', *Wake Forest University*, pp 1-10.

- Matot I, and Katz M, 2013, 'Resuscitation With Aged Bloods Exacerbates Liver Injury in A Hemorrhagic Rat Model', *Critical Care Medicine*, Vol.41, pp 842-9.
- Miller Y, Bachowski G, Benjamin R, Eklund D, Hibbard J *et al.*, 2007, Practice Guideline for Blood Transfusions. 2nd Edition. *American National Red Cross*.
- Minecci PC, Deans KJ, Zhi H, Yuen PS, Star RA, Banks SM *et al.*, 2005, 'Hemolysis-associated Endothelial Dysfunction Mediated by Accelerated NO Inactivation by Decompartamentalized Oxyhemoglobin', *The Journal of Clinical Investigation*, Vol.115(12), pp 3409-17.
- Nielsen JM & Moestrup SK, 2009, 'Receptor Targeting Hemoglobin Mediated by the Haptoglobins: Roles Beyond Heme Scavenging', *Blood Journal*, 2009, Vol.114(4), pp 764-9.
- Olsson MG, Allhorn M, Bulow L, Hansson HR, Olsson ML, Schmidtchen A *et al.*, 2012, 'Pathological Conditions Involving Extracellular Hemoglobin: Molecular Mechanism, Clinical Significance, dan Novel Therapeutic Opportunities', *Lund University*, pp 1-40.
- Orlov D & Karkouti K, 2015, 'The Pathophysiology and Consequences of Red Blood Cell Storage', *Anaesthesia*, Vol.70(1), pp29-37.
- Pusdiklat SDM Kesehatan Kemenkes RI, 2010, Pembuatan Komponen Darah.
- Rifkind JM, Mohanty JG, and Nagababu E, 2015, 'The Pathophysiology of Extracellular Hemoglobin Associated with Enhanced Oxidative Reactions', *Frontiers in Physiology*, Vol.5(500), pp 1-12.
- Reiter CD, Wang X, Tanus-Santo JE, Hogg N, Cannon RO, Schechter AN *et al.*, 2002, 'Cell Free Hemoglobin Limits Nitric Oxide Bioavailability in Sickle Cell Disease', *Nature Medicine*, Vol.8(12), pp 1383-90.
- Roback JD, 2011, 'Vascular Effects of the Red Blood Cell Storage Lesion', *American Society of Hematology*, Vol.1.pp 475-80.
- Roback JD, neuman RB, Quyyumi A, Sutliff R, 2011, 'Insufficient Nitric Oxide Bio-Availability (INOBA): An hypothesis to Explain Adverse Effects of RBC Transfusion', *Transfusion*, Vol.51(4), pp 859-66.
- Russwurm M, Koesling D, 2004, 'NO Activation of Guanylyl Cyclase', *The EMBO Journal*, Vol.23, pp 4443-50.
- Schaer JD & Buehler PW, 2013, 'Cell-Free Hemoglobin dan Its Scavenger Proteins: New Disease Models Leading The Way Targeted Therapies', *Cold Spring Harbor Perspective in Medicine*, Vol. 3, pp 1-17.
- Schechter A, 2008, 'Hemoglobin Research an the Origin of Moleculer Medicine', *Blood Journal*, Vol.112(10), pp 3927-42.
- Sharma RR, Marwaha N, 2010, Leukoreduced Blood Component: Advatages and Strategies for Its Implementation in Developing Countries, *Asian J Transfus Sci*, Vol.4(1), pp 3-8.

- South African National Blood Service and the Western Province Blood Transfusion Service, 2008, 'Red Cell Components' In *The Clinical Guidelines for the Use of Blood Products in South Africa*, 4th Edition, pp 12-16.
- Steiner ME, Ness PM, Assmann SF, Triulzi DJ, Sloan SR, Delaney M et al., 2015, Effect of Red Cell Storage Duration on patients Undergoing Cardiac Surgery, *New England Journal of Medicine*, Vol.4(372), pp 1419-29.
- Sysmex Manual, 2004.
- United Kingdom British Transfusion Services, 2007, 'Component Processing' In *Guidelines for the Blood Transfusion Service*.
- Wang X, Tanus-Santos JE, Reiter CD, Dejam A, Shiva S, Smith RD et al., 2004, 'Biological Activity of Nitric Oxide in The Plasmatic Compartment', *PNAS*, Vol.101(31), pp 11477-82.
- Windsant IV, Witt NC, Sertorio JT, Beckers EA, Tanus-Santos JE et al., 2012, 'Blood Transfusion Increase Circulating Plasma Free Hemoglobin Levels and Plasma Nitric Oxide Consumption: A Prospective Observational Pilot Study', *Critical Care*, Vol.16(95), pp 1-11.
- World Health Organization, 2009, 'Safe storage and Transportation of Blood and Blood Component' In *Guideline of Principle for Safe Blood Transfusion Practice*, WHO Press, Switzerland, pp 54-66.
- World Health Organization, 2011, 'The Clinical Use of Blood' In *WHO Blood Transfusion Safety*. WHO Press, Geneva.
- World Health Organization, 2013, 'Standard Requirements for Storage, Transport, Expiry of Blood and Blood Components' In *National Standard of Blood Transfusion Service*, 1st Edition, WHO Press, Bhutan, pp 11-27.
- Zubair AC, 2009, 'Clinical Impact of Blood Storage Lesions', *American Journal Hematology*, Vol.85, pp 117-22.

