

## DAFTAR PUSTAKA

- Ahluwalia A., Tarnawski A.S., 2012, Critical role of hypoxia sensor - HIF-1 $\alpha$  in VEGF gene activation. Implications for angiogenesis and tissue injury healing. *Curr Med Chem* 19(1):90-7.
- Aini N., Setiawan B., Sandra. 2008, Karakteristik Biologis dan Diferensiasi Stem Cell: Fokus pada Mesenchymal Stem Cell, *CDK*,161.
- Bao P., Kodra A., Tomic-Canic M., Golinko M.S., Ehrlich H.P., Brem H., 2009, The role of vascular Endothelial Growth Factor in Wound Healing. *J Surg Res*, 347-358.
- Berk V.D., Jansen B.J.H., Kim G.C., Roelofs H., Figdor C.G., Adema G.J., 2010, Mesenchymal stem cells respond to TNF but do not produce TNF, *Journal of Leukocyte Biology*, 283-289.
- Blazevic T., Schwaiberger A.V., Schreiner C.E., Schachner D., Schaible A.M., Grojer C.S., Atanasov A.G., Werz O., Dirsch V.M., Heiss E.H., 2013, Lipoxygenase Contributes to Platelet-derived Growth Factor-induced Activation of Signal Transducer and Activator of Transcription 3, *J. Biol. Chem* 288 (49): 35592-603.
- Braunwald E., 2006, *Hypoxia and cyanosis*, In: Braunwald E., Fauci A.S., Kasper D.L., Hanser S., Longo D.L., Jameson J.L, Harrison's principles of internal
- Campagnoli C., Roberts I.A.G., Kumar S., 2001, Identification of mesenchymal stem/progenitor cells in human first-trimester fetal blood, liver, and bone marrow, *Blood*, 98: 2396-2402.
- Carmeliet, 2000, Mechanism of angiogenesis and arteriogenesis, *Nat. Med.* 6, 389-395.
- Crisostomo P.R., Wang Y., Markel T.A., Wang M., Lahm T., Meldrum D.R., 2008, Human mesenchymal stem cells stimulated by TNF-alpha, LPS, or hypoxia produce growth factors by an NF kappa B- but not JNK-dependent mechanism, *Am J Physiol Cell Physiol* 294(3):C675–C682.
- Dominici M., Le Blanc K., Mueller I., Slaper-Cortenbach I., Marini F., Krause D., Deans R., Keating A., Prockop Dj., Horwitz E., 2006, Minimal Criteria for Defining Multipotent Stromal Cells. The International Society for Cellular Therapy position statement., *NCBI*, 16923606
- Halim, D., Murti, H., Sandra, F., 2010, *Stem Cell Dasar Teori & Aplikasi Klinis*, Erlangga Medical Series, Jakarta

- Hannink M., Donoghue D.J., 1989, Structure and function of platelet-derived growth factor (PDGF) and related proteins". *Biochim. Biophys. Acta* 989 (1):1-10.
- Heidaran M.A., Pierce J.H., Jensen R.A., Matsui T., Aaronson S.A., 1990, Chimeric alpha- and beta-platelet-derived growth factor (PDGF) receptors define three immunoglobulin-like domains of the alpha-PDGF receptor that determine PDGF-AA binding specificity, *J. Biol. Chem* 265(31): 18741-4.
- Heldin C.H., 1992, Structural and functional studies on platelet-derived growth factor, *EMBO J* 11(12): 4251-4259.
- Jolly C., Marimoto R.I., 2000, Role of the Heat Shock Response and Molecular Chaperones in Oncogenesis and Cell Death, *Journal of the National Cancer Institute*, 92 : 1564-72
- Joukov V., Pajusola K., Kaipainen A., Chilov D., Lahtinen I., Kukk E., Saksela O., Kalkkinen N., Alitalo K., 1996, A novel vascular endothelial growth factor, VEGF-C, is a ligand for the Flt4 (VEGFR-3) and KDR (VEGFR-2) receptor tyrosine kinases, *EMBO J* 15(2): 290-298.
- Jusuf A., 2008, *Aspek Dasar Sel Puncak Embriologik (Embryonic Stem Cells) Dan Potensi Pengembangannya*. Fakultas Kedokteran Universitas Indonesia, Jakarta.
- Kang S.K., 2012, Journey of mesenchymal stem cells for homing: strategies to enhance efficacy and safety of stem cell therapy. *Stem cells international*.
- Kerr, J. F. R., Wyllie, A. H. & Currie, A. R. Apoptosis, 1972, a basic biological phenomenon with wide-ranging implications in tissue kinetics. *Br. J. Cancer* 24, 239–275.
- Kong, Liu, Huo, Wang, Zhang, Gao, 2007, Cell multiplication, apoptosis, and pAkt protein expression of bone mesenchymal stem cells of rat under hypoxia environment, *JNMU* 21;233-239.
- Kumar V., Abas A.A., Fausto N., 2005. Robins and Cotran pathologic basis of disease. 7th ed Philadelphia: Elsevier Saunders.
- Kwon, Y.W., Heo S.C., Jeong G.O., Yoon J.W., Mo W.M., Lee M.J., Jang I.H., Kwon S.M., Lee J.S., Kim J.H., 2013. Tumor necrosis factor- $\alpha$ -activated mesenchymal stem cells promote endothelial progenitor cell homing and angiogenesis, *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1832(12).

- Madrigal M., Rao K.S., Riordan N.H., 2014, A review of therapeutic effects of mesenchymal stem cell secretions and induction of secretory modification by different culture methods. *Journal of Translational Medicine* 2014, 12:260
- Marr R.A., Pet., Thomas R.M., Peterson D.A., 2010, Insights into Neurogenesis and Aging: Potential Therapy for Degenerative Disease? Future Neurology, USA, 527-541.
- McKinnon R.D., Matsui T., Dubois-Dalcq M., Aaronson S.A., 1990, "FGF modulates the PDGF-driven pathway of oligodendrocyte development, *Neuron* 5 (5).
- Nakanishi K., Tajima F., Nakamura A., Yagura S., Ookawara T., Yamashita H., Suzuki K., Taniguchi N., Ohno H., 1995, Effects of hypobaric hypoxia on antioxidant enzymes in rats, *J Physiol* 489(Pt 3): 869–76.
- Nauta A.J., Fibbe W.E., 2007, Immunomodulatory properties of mesenchymal stromal cells, *Blood* 110(10): 3499–3506.
- Osterud B., Bjorklid E., 2003, Role of Monocytes in Atherogenesis, *Physiol Rev* 83 : 1069-112.
- Paul H., Krebsbach D.D.S., Robey P.G., 2002, Dental and skeletal Stem Cells:Potential Cellular Therapeutics for Craniofacial Regeneration, *Journal of Dental Education* 66:766-73
- Setiawan B., 2006, Aplikasi Terapeutik Sel Stem Embrionik pada Berbagai Penyakit Degeneratif, cdk, 153.
- Tsai C.C., Chen Y.J., Yew T.L., Chen L.L., Wang J.Y., Chiu C.H., Hung S.C., 2011, Hypoxia inhibits senescence and maintains mesenchymal stem cell properties through downregulation of E2A-p21 by HIF-TWIST, *Blood* 117(2): 459–469]
- Xin W., Yang X., Han Z., Qu F., Shao L., Shi Y., 2003, Mesenchymal stem cells: a new trend for cell therapy. *Acta Pharmacologica Sinica*, May: 34: 747–754.
- Youn S.W., Lee S.W., Lee J., Jeong H.K., Suh J.W., Yoon C.H., Kim H.S., 2011, COMP-Ang1 stimulates HIF-1 $\alpha$ -mediated SDF-1 overexpression and recovers ischemic injury through BM-derived progenitor cell recruitment, *Blood*, 117:4376–4386.
- Yu J.C., Li W., Wang L.M., Uren A., Pierce J.H., Heidaran M.A., 1995, Different requirement of a motif within the carboxyl-terminal domain of alpha-platelet-derived growth factor (alpha PDGF) receptor for PDGF focus forming activity chemotaxis, or growth. *J. Biol. Chem* 270 (13): 7033-6.