

DAFTAR PUSTAKA

- Alam, M and Schmidt, W.J. 2002. *Rotenone Destroys Dopaminergic Neurons and Induces Parkinsonian Symptoms in Rats*. Behavioural Brain Research. 2002. Vol. 136(1): 317-324.
- Afzal, Aqeela, and Mocco, J. 2012. *The Promise of Hematopoietic Stem Cell Therapy for Stroke : Are We There Yet?, Advance in the Treatment of Ischemic Stroke*, Dr. Maurizio Balestrino (Ed.). ISBN: 978-953-51-0136-9, InTech.
- Ahmad, Riza Zainudin. 2012. *Pemanfaatan Khamir Saccharomyces cerevisiae untuk Ternak*. Bogor : Balai Penelitian Veteriner, Bogor
- Akramiené, D., Kondrotas, A., Didžiapetriené, J. and Kėvelaitis, E. Effects of beta-glucan on the immune system. *Medicina (Kaunas)*. 2007. Vol. 43, 8, pp. 597-606. 31.
- Barclay, A. W., Petocz, P., McMillan-Price, J., Flood, V. M., Prvan, T., Mitchell, P., and Brand-Miller, J. C. Glycaemic index, glycaemic load, and chronic disease risk – a metaanalysis of observational studies. *American Journal of Clinical Nutrition*. 2008. Vol. 87, 3, pp. 627-637.
- Baum, C.M., Weissman, I.L., Tsukamoto, A.S., Buckle, A.M., and Peault, B. Isolation of a candidate human hematopoietic stem-cell population. *Proc. Natl. Acad. Sci. U. S. A.* 1992. Vol 89, 2804–2808.
- Björklund, Lars M., Saúncchez-Pernaute, Rosario, Chung, Sangmin. Embryonic stem cells develop into functional dopaminergic neurons after transplantation in a Parkinson rat model. 2001. Vol. 99 No. 4 2344–2349.
- Blesa, Javier, Phani, Sudharsan, Jackson-Lewis, Vernice, and Przedborski, Serge. Classic and New AnimalModels of Parkinson’s Disease. *Journal of*



Biomedicine and Biotechnology. 2012. Volume 2012, Article ID 845618, 10 pages.

Brazelton, T.R., Rossi, F.M., Keshet, G.I., and Blau, H.M. From marrow to brain: expression of neuronal phenotypes in adult mice. *Science.* 2000. 290, 1775–1779.

Carmeliet P, Ferreira V, Breier G. Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele. *Nature.* 1996. 380(6573):435-439.

Chan, GC., Chan, WK., and Sze, DM. The Effects of beta-glucan on Human Immune and Cancer Cells. Hong-Kong: *Journal of Hematology & Oncology.* 2009, 2:25.

Christopher MJ, Link DC. Regulation of neutrophil homeostasis. *Curr Opin Hematol.* 2007;14:3–8.

Corselli, Mirko, Crisan, Mihaela, Lazzari, Lorenza. Perivascular Ancestor of Multipotent Stem Cells. *American Heart Association Journal. Arterioscler Thromb Vasc Biol.* 2010, 30:1104-1109.

Cunha, Claudio Da, Prediger, Rui D. S., Miyoshi, Edmar, Takahashi, Reinaldo N. A Rat Model Of The Cognitive Impairments in Parkinson`s Disease. *Mexican Journal Of Behavior Analysis.* 2006. 32, 219-242 number 2 (DEC).

Dauer, William, Przedborski, Serge. Parkinson`s Disease : Mechanisms and Models. *Neuron.* 2003. Vol. 39, 889–909, September 11, 2003.

Dar A, Kollet O, Lapidot T. Mutual, Reciprocal SDF-1/CXCR4 Interactions Between Hematopoietic and Bone Marrowstromal Cells Regulate Human Stem Cell Migration and Development in NOD/SCID Chimeric Mice. *Exp Hematol.* 2006;34:967–75.

Dorsey, ER, Kollet, O, Farke, Christian. Projected Number of People with Parkinson Disease in the Most Populous Nations, 2005 through 2030.

Rochester, USA : Department of Neurology University of Rochester Medical Center. 2007 Jan 30; 68(5):384-386.

Fardiaz, Srikandi. 1992. *Mikrobiologi pangan 1*. Jakarta : PT Gramedia Pustaka Utama.

Ferrari, G., Cusella-De Angelis, G., Coletta,M., Paolucci, E., Stornaiuolo, A., Cossu, G.,Mavillo, F. Muscle regeneration by bone marrow-derived myogenic progenitors. *Science*. 2007. 279(5356):1528-30.

Fjorback, A. Winther, Varming, K., and Jensen, P. Henning. Determination of alpha-synuclein concentration in human plasma using ELISA. *Scand J Clin Lab Invest*. 2007; 67: 431–435.

Follet, Kenneth, M., Frances, Stern, Matthew, Hur, Kwan, L., Crystal. Pallidal versus Subthalamic Deep-Brain Stimulation for Parkinson's Disease. Massachusetts: *New England Journal Medicine*. 2010;362:2077-2091.

Franzke A. The role of G-CSF in adaptive immunity. *Cytokine Growth Factor Rev* 2006;17:235–44.

Gieryng A, Bogunia-Kubik K. The role of the SDF-1-CXCR4 axis in hematopoiesis and the mobilization of hematopoietic stem cells to peripheral blood. *Postepy Hig Med Dosw*. 2007;61:369–83.

Gonzalez, Kolb B. A Comparison of Different Models of Stroke on Behaviour and Brain Morphology. *European Journal of Neuroscience*. 2003. Vol. 18 : 1950-1962.

Hennemann, B., Ickenstein, G., Sauerbruch, S., Luecke, K., Haas, S., Horn, M., Andreesen, R., Bogdahn, U., Winkler, J. Mobilization of CD34+ hematopoietic cells, colonyforming cells and long-term culture-initiating cells into the peripheral blood of patients with an acute cerebral ischemic insult. *Cytotherapy*. 2008. 10(3):303-11.

- Ito, K., Masuda, Y., Yamasaki, Y., Yokota, Y., Nanba, H. Maitake beta-Glucan Enhances Granulopoiesis and Mobilization of Granulocytes by Increasing G-CSF Production and Modulating CXCR4/SDF-1 Expression. Kobe: *International Immunopharmacology*. 2009. Volume 9. Issue 10. Pages 1189–1196.
- Jackson-Lewis, Vernice, Przedborski, Serge. Protocol for the MPTP mouse model of Parkinson's disease. *Nature Protocols*. 2007. Vol. 2 No. 1 141 – 151.
- Kale, S., Karihaloo, A., Clark, P.R., Kashgarian, M., Krause, D.S., Cantley, L.G. Bone marrow stem cells contribute to repair of the ischemically injured renal tubule. *J. Clin. Invest.* 2003. 112, 42–49.
- Kim HK, De La Luz Sierra M, Williams CK, Gulino AV, Tosato G. G-CSF downregulation of CXCR4 expression identified as a mechanism for mobilization of myeloid cells *Blood*. 2006;108:812–20.
- Kim, Jong- Hoon, Auerbach, Jonathan M., Rodríguez-Gomez, José’ A., Velasco, Iva’n. Dopamine Neurons Derived From Embryonic Stem Cells Function in an Animal Model of Parkinson’s Disease. *Nature* Vol. 418 50 – 56.
- Krause, DS., Theise, ND., Collector, MI., Henegariu, O., Hwang, JA., Gardner, R., Neutzel, S., and Sharkis, SJ. Multi organ, multi-lineage engraftment by a single bone marrow-derived stem muscular dystrophy patient receiving bone marrow transplantation *Cell*. 2001. 105, 369–377.
- Lau, de LM, Breteler MM. Epidemiology of Parkinson's disease. *Lancet Neurol*. 2006. 5: 525-35.
- LeWitt, Peter A.. 2008. Levodopa for the Treatment of Parkinson's Disease. Massachusetts: *New England Journal Medicine*. 2008;359:2468-2476.



- Lin H, Cheung SW, Nesin M, Cassileth BR, Cunningham-Rundles S. Enhancement of umbilical cord blood cell hematopoiesis by maitake beta-glucan is mediated by granulocyte colony-stimulating factor production. *Clin Vaccine Immunol.* 2007;14:21–7.
- Lotharius, Julie, Brundin , Patrik. Pathogenesis Of Parkinson's Disease : Dopamine, Vesicles and α -Synuclein. *Nature Reviews : Neuroscience* Vol. 3 1 – 11.
- Muangpaisan, Weerasak, Mathews, Aju, Hori, Hiroyuki, Seidel, David. A Systematic Review of the Worldwide Prevalence and Incidence of Parkinson's Disease. *J Med Assoc Thai.* 2011; 94 (6): 749-55.
- Michell, A.W., Lewis, S.J.G., Foltynie, T., and Barker, R.A. Biomarkers and Parkinson's disease. *Guarantos of Brain* Vol. 127 No. 8.
- Moore, Darren J., West, Andrew B., Dawson, Valina L., and Dawson, Ted M. Molecular Pathophysiology of Parkinson's Disease. *Annu. Rev. Neurosci.* 2005. 28:57–87 doi: 10.1146/annurev.neuro.28.061604.135718.
- Pallini, Roberto. Experiments in a Parkinson's Rat Model. *Science.* 1997. Vol 10 : 277- 389.
- Pawitan, Jeanne Adiwinata. Prospect of Cell Therapy For Parkinson's Disease. *Acb Journal : Anat Cell Biol.* 2011;44:256-264.
- Permata, M.Kautsarita. 2009. Pengaruh Pemberian Ekstrak Jintan Hitam (*Nigella Sativa*) terhadap Perubahan Histopatologik Hepar Mencit Balb/C yang Diinfeksi *Salmonella typhimurium*. Laporan Akhir Penelitian Karya Tulis Ilmiah. Semarang: Fakultas Kedokteran Universitas Diponegoro.
- Przedborski, Serge, Jackson-Lewis, Vernice, Naini, Ali B., Jakowec, Michael, Petzinger, Giselle, Miller, Reginald, and Akram, Muhammad. The parkinsonian toxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP): a

technical review of its utility and safety. *Journal of Neurochemistry*. 2001, 76, 1265-1274.

Smith, Clayton. 2003. Hematopoietic Stem Cells and Hematopoiesis. Blood marrow and transplant program. Florida: H.Lee Moffit Cancer Center.

Sharma, Neha, & Bafna, Pallavi. Effect of Cynodon dactylon on rotenone induced Parkinson's disease. *Orient Pharm Exp Med*. 2012. 12:167–175.

Taylor, Tonya N., Greene, James G., and Miller, Gary W. Behavioral phenotyping of mouse models of Parkinson's Disease. *Behav Brain Res*. 2010 July 29; 211(1): 1–10.

Van Den Eeden, Stephen K., Tanner, Caroline M., Bernstein, Allan L., Fross, Robin D, Leimpeter, Amethyst, Bloch, Daniel A., and Nelson, Lorene M. Incidence of Parkinson's Disease: Variation by Age, Gender, and Race/Ethnicity. *American Journal of Epidemiology*. 2003. Vol. 157 No. 11.

Vernier, P., Moret, Frederic, C., Sophie, S.M., Wesinger, C., and Sidhu, A., 2004. *The Degeneration of Dopamine Neurons in Parkinson's Disease : Insights from Embryology and Evolution of the Mesostriatal System*. Amerika : New York Academy of Sciences.

Watt SM, Forde SP. The central role of the chemokine receptor, CXCR4, in haemopoietic stem cell transplantation: will XCR4 antagonists contribute to the treatment of blood disorders? 2008. *Vox Sang* 2008;94:18–32.

Waafi, A.K., Pratama, M.Z., Susanto, D.P., Dewi, A.R., Mahardika, M.V. HEPAREGS (*Hepar Regenerated by Stem Cells*) : Pengembangan Terapi Regeneratif sebagai Alternatif Transplantasi pada Penyakit Sirosis Hepar dengan Menggunakan Ekstrak Oats (*Avena sativa L.*). PKMP DIKTI 2012. Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Brawijaya Malang.



Weimann, J.M., Charlton, C.A., Brazelton, T.R., Hackman, R.C., and Blau, H.M.

Contribution of transplanted bone marrow cells to Purkinje neurons in human adult brains. *Proc. Natl. Acad. Sci. USA.* 2003. 100. 2088–2093.

Wirdefeldt, Karin, Adami, Hans-Olov, Cole, Philip, Trichopoulos, Dimitros and

Mandel, Jack. Epidemiology of Parkinson;s disease : a review of the evidence. *Stockholm: European Journal of Epidemiology.* 2011. 26, S1 (2011) 1-58.

Yanamandra, Kiran, Gruden, Marina A., Casaite, Vida, Meskys, Rolandas,

Forsgren, Lars, Morozova-Roche, Ludmilla A. a-Synuclein Reactive Antibodies as Diagnostic Biomarkers in Blood Sera of Parkinson’s Disease Patients. *PLoS ONE.* 2011. 6(4): e18513.

Zhao, Li-Ru, Yueng, Ki, Mao, Han. Hematopoietic growth factors pass through

the brain-blood barrier in intact rats. *USA: Exp Neurol.* 2007. 204(2): 569–573.