

## DAFTAR PUSTAKA

- Abuaf, O.K., Yildiz, H., Baloglu, H., Bilgili, M.E., Simsek, H.A. dan Dogan, B. 2016. Histologic Evidence of New Collagen Formulation Using Platelet Rich Plasma in Skin Rejuvenation : A Prospective Controlled Clinical Study. *ann dermatol*, 28(6): 718–24.
- Alves, R., dan Grimalt, R. 2018. A Review of Platelet-Rich Plasma : History , Biology , Mechanism of Action , and Classification. *skin appendage disord*, 4: 18–24.
- An,S.Y., Kim, M., Lee, S., Lee, Y., Chung, E., Song, J., Lee, J. dan Yi, J.Y. 2013 TGF- $\beta$  Signaling Plays An Important Role In Resisting  $\gamma$ -Irradiation *Exp Cell Res*, 319 : 466-473.
- Aquino, K.A.S. 2012. Sterilization by Gamma Irradiation. In *Gamma Radiation*, Bab 9.
- Blakytyn, R., Ludlow, A., Martin, G.E.M., Ireland, G., Lund, L.R., Ferguson, M.W.J. dan Brunner, G. 2004. Latent TGF- b 1 Activation by Platelets. *J. Cell. Physiol.*, 76: 67–76.
- Buckley, S., Shi, W., Barsky, L., Warburton, D., 2007. TGF- $\gamma$  signaling promotes survival and repair in rat alveolar epithelial type 2 cells during recovery after hyperoxic injury. *Am J Physiol Lung Cell Mol Physiol*, 294: L739-L748.
- Crawford, M.J., Swenson, C.L., Arnockzy, S.P., O 'Shea, J. dan Ross, H. 2004. Lyophilization Does Not Inactivate Infectious Retrovirus in Systemically Infected Bone and Tendon Allografts. *Am J sports med*, 32(3): 17–20.
- Darwis, Darmawan. 2006. Sterilisasi Produk Kesehatan. In *Proseding Pertemuan Dan Presentasi Ilmiah Teknologi Akselerator Dan Aplikasinya*, 78–86.
- Didik, Budijanto. 20013. Metodologi Research *Alur Berpikir Dalam Metodologi Research : Sampel Dan Besar Sampel*.
- Ehrenfest, D.M.D., Rasmusson, L., dan Albrektsson, T. 2009. Classification of Platelet Concentrates : From Pure Platelet-Rich Plasma ( P-PRP ) to Leucocyte- and Platelet-Rich Fibrin. *trends Biotechnol*, 27: 158–67.
- Fufa, D., Shealy, B., Jacobson, M. Kevy, S., dan Murray, M.M. 2009. Activation of Platelet Rich Plasma Using Soluble Type I Collagen. *J oral maxillofac surg*, 66(4): 684–90.
- Harrell, C. R., Djonov, V., Fellabaum, C. and Volarevic, V. 2018. Risks of Using Sterilization by Gamma Radiation : The Other Side of the Coin. *Int. J. Med. Sci.*, 15(3): 274–79.

- Horimizu, M., Kawase, T., Nakajima, Y., Okuda, K., Nagata, M., Wolff, L.F., dan Yoshie, H. 2013. An Improved Freeze-Dried PRP-Coated Biodegradable Material Suitable for Connective Tissue Regenerative Therapy. *J. Cryobiol.*, 66(3): 223–32.
- Ince, B., Yildirim, M.E.C., Dadaci, M., Avunduk, M.C. dan Savaci, N. 2018. Comparison Of The Efficacy Of Homologous And Autologous Platelet Rich Plasma (PRP) For Treating Androgenic Alopecia. *Aesthetic Plast Surg*, 42: 297-303.
- Kieb, M., Sander, F.,Prinz, C., Adam, S.,Mau-Möller, A., Bader, R., Peters, K. dan Tischer, T. 2016. Platelet Rich Plasma Powder a New Preparation Methode for the Standardization of Growth Factor Concentration. *Am J Sports Med*, 20(10): 1–7.
- Kim, M., Lee, J., An, Y.S., Jin, Y.B., Park,I., Chung, E., Shin, I., Barcellos-Hoff, M.J., Yi, J.Y. 2015. TGF b 1 Protects Cells from g -IR by Enhancing the Activity of the NHEJ Repair Pathway. *mol cancer res.* 13(2):319-330.
- Landesberg, R., Roy, M. dan Glickman, R.S. 2000. Quantification of Growth Factor Levels Using a Simplified Method of Platelet-Rich Plasma Gel Preparation. *J. Oral Maxxilofac Surg*, 58: 297–300.
- Markopoulou, C.E., Markopolous, P., Dereka, X.E., Pepelassi, E., dan Vrotsos, I.A. 2009. Effect of Homologous PRP on Proliferation of Human Periodontally Affected Osteoblasts . In Vitro Preliminary Study. Report of a Case. *J Musculoskelet Neuronal Interact*, 9(3): 167–72.
- Martin, M., Lefaix, Jean-louis dan Delanian, S.D. 2000. TGF-β1 And Radiation Fibrosis: A Master Switch and a Specific Therapeutic Target ? *I. J. oncology biology physics*, 47(2): 277–90.
- Mendes, B.B., Gómez-florit, M., Babo, P.S., Domingues, R.M.,Reis, R.L., dan Gomes, M.E. 2018. Blood Derivatives Awaken in Regenerative Medicine Strategies to Modulate Wound Healing . *J. ADDR* ,129: 376–93.
- Muraglia, A., Ottonello, C., Spanó, R., Dozin, B., Strada, P., Grandizio, M., Cancedda, R., dan Mastrogiacomo, M. 2013. Biological Activity of a Standardized Freeze-Dried Platelet Derivative to Be Used as Cell Culture Medium Supplement. *Platelets*, 25(3): 211–220.
- Nakajima, Y., Kawase, T., Kobayashi, M., Okuda, K., Wolff, L.F., dan Yoshie, H. 2012. Bioactivity of Freeze-Dried Platelet-Rich Plasma in an Adsorbed Form on a Biodegradable Polymer Material. *Informa healthcare*, 23(8): 594–603.
- Nakatani, Y., Agata, H., Sumita, Y., Koga, T., dan Asahina, I. 2017. Archives of Oral Biology Efficacy of Freeze-Dried Platelet-Rich Plasma in Bone Engineering. *Arch. of Oral Biol.* 73: 172–78.
- Nguyen, H., Morgan, D.A.F., dan Forwood, M.R. 2007. Sterilization of Allograft Bone : Effects of Gamma Irradiation on Allograft Biology and Biomechanics.

*Cell Tissue Bank*, 8: 93–105.

- Noah, E.M., Chen, J., Jiao, X., Heschel, I., dan Pallua, N. 2002. Impact of Sterilization on the Porous Design and Cell Behavior in Collagen Sponges Prepared for Tissue Engineering. *biomaterials*, 23: 2855–61.
- Oley, M.C., Islam, A.A., Hatta, M., Hardjo, M., Nirmalasari, L., Rendy, L., Ana, I.D., dan Bachtiar, I. 2018. Effects of Platelet-Rich Plasma and Carbonated Hydroxyapatite Combination on Cranial Defect Bone Regeneration: An Animal Study. *Wound Medicine*, 21: 12–15.
- Paolin, A., Trojan, D., Leonardi, A., Mellone, S., Volpe, A., Orlandi, A., dan Cogliati, E. 2016. Cytokine Expression and Ultrastructural Alterations in Fresh-Frozen, Freeze-Dried and  $\gamma$ -Irradiated Human Amniotic Membranes. *Cell Tissue Bank*, 17:399-406.
- Rachmawati, T., Astuti, S.P., dan Purwati. 2017. The Effect Of Allogenic Freeze Dried Platelet-Rich Plasma In Responses Inflammation Reaction Of Rabbit. *J. of SCRTE*, 1(1): 39–42.
- Roberts, P.L. 2011. *Animal Cell Culture : Essential Methods*. first. ed. John M Davis. Hertfordshire UK: John Wiley & sons, Ltd.
- Rodriguez-Ares, M.T., López-Valladares, M.J., Touriño, R., Vieites, B., Gude, F., Silva, M.T., dan Couceiro, J. 2009. Effects of Lyophilization on Human Amniotic Membrane. *Acta Ophthalmol*, 87: 396–403.
- Rofi'i, dan Utomo, D.N. 2012. Effect of Making Method of Platelet Rich Plasma on Platelet and Growth Factor Concentration. *journal unair*, 1(1): 26–31.
- Rutala, W.A., dan Weber, D.J. 2001. New Disinfection and Sterilization Methods. *Emerg Infect Dis*, 7(2): 348–53.
- Sakata, R., dan Reddi, A.H. 2016. Platelet-Rich Plasma Modulates Actions on Articular Cartilage Lubrication and Regeneration. *TERMIS*, 22(5): 408–20.
- Sawada, K., Miron, R.J., Leiser, D., Caballé-Serrano, J., Bosshardt, D.D., Schaller, B. Buser, D., dan Gruber, R. 2016. High-Dose Irradiation of Bone Chips Preserves the in Vitro Activity of Bone-Conditioned Medium. *J. Oral Sci.*, 58(3): 325–31.
- Shiga, Y., Orita, S., Kubota, G., Kamoda, H., Yamashita, M., Matsuura, Y., Yamauchi, K., Eguchi, Y., Suzuki, M., Inage, K., Sainoh, T., Sato, J., Fujimoto, K., Abe, K., Kanamoto, H., Inoue, M., Kinoshita, H., Aoki, Y., Toyone, T., Furuya, T., Koda, M., Takahashi, K., dan Ohtori, S. 2016. Freeze-Dried Platelet-Rich Plasma Accelerates Bone Union with Adequate Rigidity in Posterolateral Lumbar Fusion Surgery Model in Rats. *Nature Publishing Group*, August: 1–10.
- Shiga, Y., Kubota, G., Orita, S., Inage, K., Kamoda, H., Yamashita, M., Iseki, T., Ito, M., Yamauchi, K., Eguchi, Y., Sainoh, T., Sato, J., Fujimoto, K., Abe, K.,

- Kanamoto, H., Inoue, M., Kinoshita, H., Furuya, T., Koda, M., Aoki, Y., Toyone, T., Takahashi, K., dan Ohtori, S. 2017. Freeze-Dried Human Platelet-Rich Plasma Retains Activation and Growth Factor Expression after an Eight-Week Preservation Period. *Asian spine J*, 11(3): 329–36.
- Shukla, R.V., Shah, A.P., Shah, P.V., dan Gupte, S.C. 2015. Science Direct Effect of Gamma Irradiation on Cytokines Released by Platelets during Storage. *J. Rad Research and Applied Sci.*, 9(1): 15–19.
- Sugiawan, Wawan. 2000. Teknik Pengawetan Bakteri, Khamir Dan Kapang Dengan Metode Pengeringan Beku. In *Temu Teknis Fungsional Non Peneliti, 2000*, , 29–39.
- Sugiyono. 2017. Metode Penelitian Kuantitatif, Kualitatif, dan R&D. *Alfabeta*, Bandung.
- Yatim, R.M., Kannan, T.P., dan Hamid, S.SA. 2016. Effect of Gamma Radiation on the Expression of mRNA Growth Factors in Glycerol Cryopreserved Human Amniotic Membrane. *Cell and Tissue Bank*, 17(4): 643–51.