

DAFTAR PUSTAKA

- Aprianti, R., Sriati, A., dan Muliani, R., 2011, Gambaran Faktor yang Mempengaruhi Tingkat Keberhasilan Pengambilan Darah pada Pendorong Darah Pemula di PMI Kota Bandung, *Majalah Keperawatan Unpad*, 13(2): 1-2
- Arinda, P.K., Rahmat, M., Rahardjo, 2016, Regenerasi Nervus Mentalis Akibat Cedera Penjepitan Setelah Aplikasi Kombinasi Platelet Rich Plasma yang Diaktivasi Kolagen dan *Cystidine 5'-Diphosphocoline*, *J Ked Gi*, 7(2): 138-144.
- Bertoncelj, V., Pelipenko, J., Kristl, J., Jeras, M., Cukjati, M., Kocbek, P., 2014, Development and Bioevaluation of Nanofibers with Blood-Derived Growth Factors for Dermal Wound Healing, *Eur J Pharm Biopharm*, 88: 64-74.
- Bhardwaj, N., Kundu, S.C., 2010, Electrospinning : A Fascinating Fiber Fabrication Technique, *Biothechnol Adv*, 28: 325-347.
- Bi, L., Cheng, W., Fan, H., Pei, G., 2010, Reconstruction of Goat Tibial Defect Using an Injectable Tricalcium Phosphate/Chitosan in Combination With Autologous PRP, *Journal of Biomaterials*, 31: 3201-3211
- Busilacchi, A., Gigante, A., Mattioli-Belmonte, M., Manzotti, S., Muzzarelli, R.A.A., 2013, Chitosan Stabilizes Platelet Growth Factors and Modulates Stem Cell Differentiation toward Tissue Regeneration, *Carbohydr Polym*, 98: 665-676.
- Cay, A., Miraftab, M., dan Kumbasar, P.A., 2014, Characterization and Swelling Performance of Physically Stabilized Electrospun Chitosan Nanofibers, *Europen Polymer Journal*, 61: 253-255
- Chao, F.C., Shepro, D., Tullis, J.L., Belamarich, F.A., Curby, W.A., 1976, Similarities Between Platelet Contraction and Cellular Motility during Mitosis: Role of Platelet Microtubules in Clot Retraction, *J Cell Sci*, 20: 569-588.
- Darmawan, M., Syamdidi, Yennie, Y., Wibowo, S., 2016, Karakteristik Serat Nano Komposit Kitosan-Polivinil Alkohol (PVA) dari Cangkang Rajungan melalui Proses Electrospinning., *JPB Kelaut dan Perikan*, 11(2): 213-222.
- Deitzel, J.M., Kleinmeyer, J., Harris, D., Tan, N.B.C., 2001, The Effect of Processing Variables on The Morphology of Electrospun Nanofiber and Textiles, *Polymer*, 42: 261-272.
- del Amo, F.S.L., Monje, A., Padiar-Molina, M., Tang, Z., Wang, H., 2015, Biologic Agent for Periodontal Regeneration and Implant Site Development, *Biomed Res Int*, 2015:1-10.
- Ehrenfest, D.M.D., Rasmusson, L., Albrektsson, T., 2009, Classification of Platelet Concentrates: from Pure Platelet-Rich Plasma (P-PRP) to

- Leucocyte- and Platelet-Rich Fibrin (L-PRF), *Trends Biotechnol*, 27:158-167.
- Eichhorn, S.J., Sampson, W.W., 2010, Relationships between Specific Surface Area and Pore Size in Electrospun Polymer Fibre Network, *J R Soc Interface*, 7: 641-649
- Elieh-Ali-Komi, D., Hamblin, M.R., 2016, Chitin and Chitosan : Production and Application of Versatile Biomedical Nanomaterials, *Int J Adv Res*, 4: 411-427.
- Fathona, I. W., dan Yabuki, A., 2016, Mapping the Influence of Electrospinning Parameters on The Morphology Transition of Short and Continuous Nanofibers, *Fibers and Polymers*, 17(8): 1238–1244
- Federer, W.T., 1995, *Experimental Design*, MacMillan, New York.
- Fernandez-Moure, J.S., Van Eps, J.L., Cabrera, F.J., Barbosa, Z., Medrano del Rosal, G., Weiner, B.K., Ellsworth, W.A., Tasciotti, E., 2017, Platelet-Rich Plasma: A Biomimetic Approach to Enhancement of Surgical Wound Healing., *J Surg Res*, 207: 33–44.
- Hägi, T.T., Laugisch, O., Ivanovic, A., Sculean, A., 2014, Regenerative Periodontal Therapy, *Quintessence Int*, 45(3): 185–192.
- Haider, A., Haider, S., Kang, I.K., 2015, A Comprehensive Review Summarizing The Effect of Electrospinning Parameters and Potential Applications of Nanofibers in Biomedical and Biotechnology, *Arab J Chem*, <https://doi.org/10.1016/j.arabjc.2015.11.015>
- Hardhani, P.R., Lastianny, S.P., Herawati, D., 2013, Cangkok Tulang Terhadap Kadar Osteocalcin Cairan Sulkus Gingiva pada Terapi Poket Infraboni, *J PDGI*, 62(3): 75–82.
- Hattori, H., Ishihara, M., 2017, Feasibility of Improving Platelet-Rich Plasma Therapy by Using Chitosan with High Platelet Activation Ability, *Exp Ther Med*, 13: 1176–1180.
- Heitz-mayfield, L.J.A., Lang, N.P., 2013. Surgical and Nonsurgical Periodontal Therapy Learned and Unlearned Concepts, *Periodontol 2000*, 62: 218–231.
- Horimizu, M., Kawase, T., Nakajima, Y., Okuda, K., Nagata, M., Wolff, L.F., Yoshie, H., 2013, An Improved Freeze-Dried PRP-Coated Biodegradable Material Suitable for Connective Tissue Regenerative Therapy, *Cryobiology*, 66: 223-232.
- Hotaling, N.A., Bharti, K., Kriel, H., Simon, C.G.Jr., 2015, DiameterJ: A Validated Open Source Nanofiber Diameter Measurement Tool, *Biomaterials*, 61: 327-338.

- Hu, X., Liu, S., Zhou, G., Huang, Y., Xie, Z., Jing, X., 2014, Electrospinning of Polymeric Nanofibers for Drug Delivery Applications, *J Control Release*, 185: 12-21.
- Huang, Z.M., Zhang, Y.Z., Kotaki, M., Ramakrishna, S., 2003, A Review on Polymer Nanofiber by Electrospinning and Their Application in Nanocomposites, *Compos Sci Technol*, 63: 2223-2253.
- Ince, B., Yildirim, M.E.C., Dadaci, M., Avunduk, M.C., Savac, N., 2017, Comparison of The Efficacy of Homologous and Autologous Platelet-Rich Plasma (PRP) for Treating Androgenic Alopecia, *Aest Plast Surg*, 42: 297-303.
- Jiang, S., Liu, S., Feng, W., 2011, PVA Hydrogel Properties for Biomedical Application, *J. Mech. Behav. Biomed. Mater.*, 4: 1228-1233.
- Junior, J.C.V., Ribeaux, D.R., da Silva, C.A.A., Campos-Takaki, G.M.D., 2016, Physicochemical and Antibacterial Properties of Chitosan Extracted from Waste Shrimp Shells, *Int. J. Microbiol*, 2016: 1-7.
- Kinane, D.F., Mombelli, A., 2012, *Periodontal Disease*, vol. 15. Ed., Karger, Basel
- Kobayashi, E., Fujioka-Kobayashi, M., Sculean, A., Chappuis, V., Buser, D., Schaller, B., Dóri, F., Miron, R.J., 2017, Effect of Platelet Rich Plasma (RPR) on Human Gingival Fibroblast, Osteoblast, and Periodontal Ligament Cell Behaviour, *BMC Oral Health*, 17: 1-10.
- Kwon, I.K., Kidoaki, S., Matsuda, T., 2005, Electrospun Nano- to Micro Fabrics Made of Biodegradable Copolyesters: Structural Characteristic, Mechanical Properties, and Cell Adhesion Potential, *Biomaterial*, 26: 3929-3939.
- Lee, C.H., Shin, H.J., Cho, I.H., Kang, Y.M., Kim, I.A., Park, K.D., Shin, J.W., 2005, Nanofiber Alignment and Direction of Mechanical Strain Affect The ECM Production of Human ACL Fibroblast, *Biomaterials*, 26: 1261-1270.
- Marukawa, E., Oshina, H., Iino, G., Morita, K., Omura, K., 2011, Reduction of Bone Resorption by The Application of Platelet-Rich Plasma (RPR) in Bone Grafting of The Alveolar Cleft, *J. Cranio-Maxillofacial Surg.*, 39: 278-283.
- Megelski, S., Stephens, J.S., Chase, D.B., Rabolt, J.F., 2002, Micro and Nanostructured Surface Morphology on Electrospun Polymer Fibers, *Macromoleculs*, 35: 8456-8466.
- Mehdi, A. (ed), 2017, *Electrospun Nanofibers*, Elsevier, Cambridge, h.117.
- Mohammadi, R., Mehrtash, M., Mehrtash, M., Hassani, N., Hassanpour, A., 2016, Effect of Platelet Rich Plasma Combined with Chitosan Biodegradable Film on Full-Thickness Wound Healing in Rat Model, *Bull Emerg Trauma*, 4(1): 29-37.

- Nakajima, D., Tabata, Y., Sato, S., 2015, Periodontal Tissue Regeneration with RPR Incorporated Gelatin Hydrogel Sponges, *Biomed. Mater.*, 10: 1-15.
- Nakajima, Y., Kawase, T., Kobayashi, M., Okuda, K., Wolff, L.F., Yoshie, H., 2012, Bioactivity of Freeze-Dried Platelet-Rich Plasma in An Adsorbed Form on A Biodegradable Polymer Material, *Platelets*, 23(8): 594-603.
- Parida, U.K., Nayak, A.K., Binhani, B.K., Nayak, P.L., 2011, Synthesis and Characterization of Chitosan-Polyvinyl Alcohol Blended with Cloisite 30B for Controlled Release of the Anticancer Drug Curcumin, *J. Biomater. Nanobiotechnol.*, 2: 414-425.
- Pietramaggiore, G., Kaipainen, A., Czezug, J.M., Wagner, C.T., Orgill, D.P., 2006, Freeze-Dried Platelet-Rich Plasma Shows Beneficial Healing Properties in Chronic Wounds, *Wound Rep Reg*, 14: 573-580.
- Pihlstrom, B.L., Michalowicz, B.S., Johnson, N.W., 2005, Periodontal Disease, *Lancet*, 366: 1809-1820
- Prabhu, R., Chellappa, V., Chandrakumar, A.B., Balagurunathan, K., Kalairasi, R., Venkatesan, K., Raja, E.S., dan /swetha, T., 2018, Efficacy of Homologous Platelet-Rich Plasma Dressing in Chronic Non-Healing Ulcers: An Observational Study, *Cureus*, 10(2): 1-10.
- Priya, P., Shiva, R., Taneja, A., Jayanti, I., 2014, Platelet Rich Plasma - A Novel Aid in Periodontal Plastic Surgery, *I J Pre Clin Dent Rest*, 1(1): 40-42.
- Rahman, M.M., Thakkar, A.I., 2016, Use of Nano Fibers in Filtration – A Review, *IJSRD*, 4(2): 1067-1072.
- Ramakrishna, S., Fujihara, K., Teo, W.E., Yong, T., Ma, Z., Ramaseshan, R., 2006, Electrospun Nanofibers: Solving Global Issues, *Mater Today*, 9(3): 40-50.
- Ramakrishna, S., Fujihara, K., Teo, W.E., Lim, T.C., Ma, Z., 2005, *An Introduction to Electrospinning and Nanofibers*, World Scientific, New Jersey, h.291
- Ravandi, S.A.H., Tork, R.B., Dabirian, F., Gharehaghaji, A.A., Sajjadi, A., 2015, Characteristic of Yarn and Fabric Made Out of Nanofibers, *Mater, Sci. Appl.*, 6: 103-110.
- Rianjanu, A., Roto, R., Julian, T., Hidayat, S.N., Kusumaatmaja, A., Suyono, E.A., Triyana, K., 2018, Polyacrylonitrile Nanofiber-Based Quartz Crystal Microbalance for Sensitive Detection of Safrole, *Sensors*, 18(4): 1-11.
- Sell, S.A., Wolfe, P.S., Ericksen, J.J., Simpson, D.G., Bowlin, G.L., 2011, Incorporating Platelet-Rich Plasma into Electrospun Scaffolds for Tissue Engineering Applications, *Tissue Eng.*, 17: 2723-2737.
- Setianingsih, T., 2017, *Mikroskop Elektron*, Universitas Brawijaya Press, Malang, h. 7-10.

- 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., Ohtori, S., 2017, Freeze-Dried Human Platelet-Rich Plasma Retains Activation and Growth Factor Expression after Eight-Week Preservation Period, *Asian Spine J*, 11(3): 329-36.
- Spasova, M., Mincheva, R., Paneva, D., Manolova, N., Rashkov, I., 2006, Perspective On : Criteria for Complex Evaluation of the Morphology and Alignment of Electrospun Polumer Nanofiber, *J. Bioact. Compat. Polym*, 21: 465-479.
- Subbiah, T., Bhat, G.S., Tock, R.W., Parameswaran, S., Ramkumar, S.S., 2005, Electrospinning of Nanofibers, *J Appl Polym Sci*, 96: 557-569.
- Sundarrajan, S., Tan, K.L., Lim, S.H., Ramakrishna, S., 2014, Electrospun Nanofibers for Air Filtration Applications, *Procedia Eng*, 75: 159-163.
- Tablin, F., Walker, N.J., Hogle, S.E., Pratt, S.M., Norris, J.W., 2008, Assessment of Platelet Growth Factors in Supernatants from Rehydrated Freeze-Dried Equine Platelets and Their Effects on Fibroblasts In Vitro, *AJVR*, 69(11): 1512-19
- Tozum, T.F., dan Demirlao, B., 2003, Platelet Rich Plasma: A Promising Innovation in Dentistry, *Journal of The Canadian Dental Association.*, 69(10): 664.
- Urrutia, A., Goicoechea, J., Rivero, P.J., Matias, I.R., Arregui, F.J., 2013, Electrospun Nanofiber Mats for Evanescent Optional Fiber Sensors, *Sensors Actuators B Chem*, 176: 569-576.
- Wahyudi, T., dan Sugiyana, D., 2011, Pembuatan Serat Nano Menggunakan Metode Electrospinning, *Arena Tekstil*, 26(1): 29-34.
- Wang, H.L., Avila, G., 2007, Platelet Rich Plasma: Myth or Reality?, *Eur J Dent*, 1: 192-4
- Wei, Q.(ed), 2012, *Functional Nanofibers and Their Applications*, Woodhead Publishing, Cambridge, h. 341
- Widiyaningrum, D., 2017, Pengaruh Penambahan Ekstrak Daun Kelor (*Moringa Oleifera* Lam.) Pada Polimer Kitosan-Pva Terhadap *Drug Release* Nanofiber, *Tesis*, Fakultas Kedokteran Gigi, Universitas Gadjah Mada, Yogyakarta.
- Wolfe, P.S., Sell, S.A., Ericksen, J.J., Simpson, D.G., Bowlin, G.L., 2011, The Creation of Electrospun Nanofibers from Platelet Rich Plasma, *J Tissue Sci Eng*, 2: 1-7.
- Yuan, X., Zhang, Y., Dong, C., Sheng, J., 2004, Morphology of Ultrafine Polysulfate Fibers Prepared by Electrospinning, *Polym. Int.*, 53(11): 1704-1710.

- Zargar, V., Asghari, M., Dashti, A., 2015, A Review on Chitin and Chitosan Polymers: Structure, Chemistry, Solubility, Derivatives, and Applications, *Chem Bio Eng Rev*, 2(3): 204-226.
- Zargham, S., Bazgir, S., Tavakoli, A., Rashidi, A.S., Damerchely, R., 2012, The Effect of Flow Rate on Morphology and Deposition Area of Electrospun Nylon 6 Nanofiber, *J Eng Fiber Fabr*, 7: 42-49.
- Zong, X., Kim, K., Fang, D., Ran, S., Hsiao, B.S., Chu, B., 2002, Structure and Process Relationship of Electrospun Bioabsorbable Nanofiber Membranes, *Polymer*, 43: 4403-12.