

DAFTAR PUSTAKA

- Andriani, I., (2020) *Kompleks membran Karbonat Hidroksi Apatit dengan Human Beta Defensin-3 untuk regenerasi jaringan periodontitis (tinjauan karakteristik, degradasi, pelepasan, daya antibakteri, kepadatan kolagen dan osteoblas)*. Yogyakarta: Disertasi Fakultas kedokteran Gigi
- Badan Penelitian dan Pengembangan Kesehatan Kementerian RI., (2018) *Riset Kesehatan Dasar (Riskesdas)*. Jakarta.
- Bassir, S.H., Wisitrasameewong, W., Raanan, J., Ghaffarigarakani, S., Chung, J., Freire, M., Andrada, L.C., dan Intini, G., (2015) Potential for Stem Cell-Based Periodontal Therapy. *Journal of Cellular Physiology*. 231: 50-60.
- Bottegoni, C., Giudici, L. D., Salvemini, S., Chiurazzi, E., Bencivenga, R., dan Gigante, A. , (2016) Homologous Platelet-rich Plasma for The Treatment of knee Osteoarthritis in Selected Elderly Patients : An Open-label, Uncontrolled, Pilot Study. *Ther Adv Musculoskel Dis*. 8(2): 35-41.
- Cahaya, C., Masulili, S.L.C., (2015) Perkembangan Terkini Membran Guided Bone Regeneration sebagai Terapi Regenerasi Jaringan Periodontal. *Maj Ked Gi Ind*. 1(1): 1-11.
- Campbell, N.A., dan Reece, J.B., (2009) *Biology*. 9ed. San Fransisco : Pearson Benjamin Cumming. pp 78.
- Carmagnola, D., Pellegrini, G., Dellavia, C., Rimondini, L., dan Varoni, E., (2019) Tissue Engineering in Periodontology: Biological Mediators for Periodontal Regeneration. *The International Journal of Artificial Organs*.
- Cheung, R. C. F., Ng, T. B., Wong, J. H., dan Chan, W. Y., (2015) Chitosan: An Update on Potential Biomedical and Pharmaceutical Applications. *Mar. Drugs*. 13: 5156-5186.
- Coates, J., (2006) *Interpretation of Infrared Spectra, A Practical Approach*. John Wiley&Sons. New Jersey. pp 10.
- Darmawan, M., Syamdidi., Yennie, Y., dan Wibowo S., (2016) Karakteristik Serat Nano Komposit Kitosan-Polivinil Alkohol(PVA) dari Cangkang

- Rajungan melalui Proses Electrospinning. *Journal of Fisheries and Aquatic Studies*.11(2):213–22.
- Das, P., Ojah, N., Kandimalla, R., Mohan, K., Gogoi, D., Dolui, S. K., Choudhury, A. J., (2018) Surface Modification of Electrospun PVA/Chitosan Nanofibers by Dielectric Barrier Discharge Plasma at Atmospheric Pressure and Studies of Their Mechanical Properties and Biocompatibility. *International Journal of Biological Macromolecules*. 114(2018): 1026-1032.
- Deka, N., (2015) Tissue Engineering Approach for Periodontal Regeneration. *International Journal of Applied Dental Science*. 1(4):71-74.
- Diaz-gomez, L., Lorenzo, C.A., Concheiro, A., Silva, M., Dominguez, F., Sheikh, F.A., Cantu, T., Desai, R., Garcia, V.L., Macossay, J., (2014) Biodegradable electrospun nanofibers coated with platelet-rich plasma for cell adhesion and proliferation. *Mater Sci Eng C Biol Appl*. 1(40) : 180-188.
- Hagi,T.T, Laugisch, D., Ivanovic, A., dan Sculean, A., (2014) Regenerative Periodontal Therapy. *Quintessence International*. 45(3): 185-192.
- Hardhani, P. R., Lastianny, S. P., dan Herawati, D. (2014) Pengaruh Penambahan Platelet Rich Plasma pada Bovine Porous Bone Mineral Terhadap Penyembuhan Jaringan Periodontal pada Terapi Poket Infraboni. *J Ked Gi*. 5(4):342-348.
- Kamma, J., (2017) Current Clinical Concepts in Regenerative Periodontal Therapy. *Perio Insight*.
- Khan, S. A., Khan, S. B., Khan, L. U., Farooq, A., Akhtar, K., dan Asiri, A. M., (2018) Fourier Transform Infrared Spectroscopy: Fundamentals and Application in Functional Groups and Nanomaterials Characterization. *Handbook of Materials Characterization*, 317–344.
- Kinane, F. D., Stathopoulou, P. G., dan Papapanou, P. N., (2017) Periodontal Diseases. *Nature Reviews*. 3(17038): 1-14.
- Kobayashi, E., Kobayashi, M.F., Sculean, A., Cappuis,V., Buser, D., Scaller,B., Dori, F., Miron, R.J., (2017) Effects Of Platelet Rich Plasma (PRP) on

- Human Gingival Fibroblast, Osteoblast And Periodontal Ligament Cell Behaviour *BMC Oral Health*. 17(91): 1-10
- Koosha, M., dan Mirzadeh, H. (2015) Electrospinning, Mechanical Properties, and Cell Behavior Study of Chitosan/PVA Nanofiber. *Journal of Biomedical Materials Research*. 103A(9): 3081-3093.
- Kutlu, B., Aydin, R. S. T., Akman, A. C., Gumusderelioglu, M., dan Nohutcu, R. M., (2012) Platelet-Rich Plasma-Loaded Chitosan Scaffolds: Preparation and Growth Factor Release Kinetics. *Society for Biomaterials*. pp 1-8.
- Lee, K. S., Wilson, J. J., Rabago, D. P., dan Baer, G. S., (2011) Musculoskeletal Application of Platelet Rich Plasma. *American Journal of Roentgenology*. 196 (3): 21.
- Murdiastuti, K., Yuniawati, F., Herawati, D., Purwanti, N., Oktarina, D.A.M., (2019) Effect of Freeze-drying Process of Collagen-activated Platelet-rich Plasma on Transforming Growth Factor β 1 level. *Majalah Kedokteran Gigi Indonesia*. 5(2): 82-85.
- Nasikhudin., (2018) *Pengembangan Komposit Nanofiber PVA/Chitosan/TiO₂ sebagai Fotokatalis*. Yogyakarta : Disertasi Fakultas Matematika dan Ilmu Pengetahuan Alam.
- Newman, M.G., Takei, H.H., Klokkevold, P.R., dan Carranza, F.A., (2019) *Newman and Carranza's Clinical Periodontology. 13th ed.* Philadelphia: Elsevier, Inc.
- Pandit, N., Malik, R., dan Philips, D., (2011) Tissue Engineering: A New Vista in Periodontal Regeneration. *Journal of Indian Society of Periodontology*. 15(4):328-337.
- Pavlovic, V., Ciric, M., Jovanovic, V., dan Stojanovic, P., (2016) Platelet Rich Plasma : A Short Overview of Certain Bioactive Component. *Open Med*. 11: 242-247.
- Piluharto, B., Sjaifullah, A., Rahmawati, I., dan Nurhariantono, E., (2017) Membran Blend Kitosan/ Poli Vinil Alkohol (PVA): Pengaruh Komposisi Material Blend, pH, dan Kadar Bahan Pengikat Silang. *Jurnal Kimia Riset*. 2(2): 77-85.

- Rodriguez, I.A., Kalaf, E.A., Bowlin, G.L., dan Sell, S.A., (2014) Review Article Platelet-Rich Plasma in Bone Regeneration: Engineering the Delivery for Improved Clinical Efficacy. *BioMed Research International*. 392398:1-15.
- 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.
- Silva, N., Abusleme, L., Bravo, D., Dutzan, N., Garcia-Sesnich, J., Vernal, R., Hernández, M., Gamonal,., (2015) Host response mechanisms in periodontal diseases. *J.Appl Oral Sci*. 23(3):329– 355.
- Syahdrajat, T., (2015) *Panduan Menulis Tugas Akhir Kedokteran dan Kesehatan*. Edisi 1. Jakarta: Prenadamedia.
- Yopianto,D., Sipangkar, M.J., Budiyanto, R., Siahaan, P., (2016) Studi Interaksi antara Segmen Dimer Kitosan dengan Peptida Ac-CA-NH₂ dan Ac-TAPI-NH₂ secara Komputasi Ab-Initio. *Jurnal Kimia Sains dan Aplikasi*. 19(3):118-125.
- Zhuang, Y., Lin, K., dan Yu, H., (2019) Advance of Nano Composite Electrospun Fibers in Periodontal Regeneration. *Frontiers in Chemistry*. 7(495)



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