

DAFTAR PUSTAKA

- Al-Mosawi, A.A., Ali, M.M., Abdulsada, S.A., (2015), Theoretical approach to tensile strength of composite material reinforced by recycled cellulose fibers, *Fire Journal of Engineering and Technology*, 1(1): 42-45.
- Advincula, R.C., Brittain, W.J., Caster, K.C., R  he, J., (2004), *Polymer Brushes Synthesis, Characterization, Applications*, Wiley-VCH Verlag GmbH & Co. pp. 39.
- Algi, M.P., Okay, O., (2014), Highly stretchable self-healing poly(N,N-dimethylacrylamide) hydrogels, *European Polymer Journal*, 59: 113-121.
- Ana, I.D., (2019), Bone Substituting Materials in Dental Implantology, dalam Budiraharja, A., M  cke, T. (eds), *Bone Management in Dental Implantology*, Springer, Switzerland, pp. 121-128.
- Andriani, D.P., Setyanto, N.W., Kusuma, I.T.W.N., (2017), *Desain dan Analisis Eksperimen untuk Rekayasa Kualitas*, UB Press, Malang, pp. 33-34.
- Ansarizadeh, M., Mashayekhan, S., Sadatmand, M., (2018), Fabrication, modeling and optimization of lyophilized advanced platelet rich fibrin in combination with collagen-chitosan as a guided bone regeneration membrane, *International Journal of Biological Macromolecules*, 125: 383-391.
- Ardhani, R., Setyaningsih, Hafiyah, O.A., Ana, I.D., (2016), Preparation of Carbonated Apatite Membrane as Metronidazole Delivery System for Periodontal Application, *Key Engineering Materials*, 696: 250-258.
- ASTM D 638, (2002), *Standard Test Method for Tensile Properties of Plastic*, American Society for Testing Materials, Philadelphia, pp. 49.
- Basha, R.Y., Kumar, S., Doble, M., (2015), Design of biocomposite materials for bone tissue regeneration, *Material Science and Engineering*, 57: 452-463.
- Bigi, A., Boanini, E., Panzavolta, S., Roveri, N., Rubini, K., (2001), Bonelike apatite growth on hydroxyapatite-gelatin sponges from stimulated body fluid, *Journal of Biomedical Materials Research*, 59: 709-714.
- Bottino, M.C., Thomas, V., (2015), Membranes for Periodontal Regeneration – A materials perspective, *Biomaterials for Oral and Craniomaxillofacial Applications*, 17: 90-100.
- Campiglio, C.E., Negrini, N.C., Fare, S., Draghi, L., (2019), Cross-linking strategies for electrospun gelatin scaffolds, *Materials* 2019, 12(2476): 1-23.
- Castro, N.M., Zhang, M., Pergushov, D.V., M  ller, A.H.E., (2006), Anionic polymerization of N,N-dimethylacrylamide with thienyllithium and synthesis of block co-polymers of isobutylene and N,N-dimethylacrylamide

by site transformation of chain ends, *Designed Monomers and Polymers*, 9(1): 63-79.

Cekici, A., Kantarci, A., Hasturk, H., Van Dyke, T.E., (2014), Inflammatory and immune pathways in the pathogenesis of periodontal disease, *Periodontology* 2000, 64: 57-80.

Chen, Y., Yu, J., Ke, Q., Gao, Y., Zhang, C., Guo, Y., (2018), Bioinspired fabrication of carbonated hydroxyapatite/chitosan nanohybrid scaffolds loaded with TWS119 for bone regeneration, *Chemical Engineering Journal*, 341: 112-125.

Corrales, L.P., Esteves, M.L., Vick, J.E.R., (2014), Scaffold design for bone regeneration, *J Nanosci Nanotechnol*, 14(1): 15-56.

Dumitriu, S., Popa, V., (2013), *Polymeric Biomaterials Structure and Function*, Taylor & Francis Group, London, pp. 288-291.

Fera, M., Nurkholik, (2018), Physical properties of edible film produced from combination of gelatin sheep skin and agar (*Gracilaria* sp), *Journal of Food and Life Science*, 2(1): 45-56.

Fugolin, A.P., Dobson, A., Mbiya, W., Navarro, O., Ferracane, Pfeifer, C.S., (2019), Use of (meth)acrylamides as alternative monomers in dental adhesive systems, *Dental Materials*, 35(5): 686-696.

Georgiev, R., Todorova, L., Christova, D., Georgieva, B., Vasileva, M., Babeva, T., (2016), Influence of PEO, PDMAA and corresponding di- and triblock copolymers on the optical properties of niobia thin films, *Bulgarian Chemical Communications*, 48: 167-172.

Gutierrez, T.J., (2018), *Polymers for Food Applications*, Springer, Cham, pp. 616-617.

Gu, S., Tian, B., Chen, W., Zhou, Y., (2017), Functionalized asymmetric poly (lactic acid)/gelatin composite membrane for guided periodontal tissue regeneration, *Journal of Biomaterials and Nanobiotechnology*, 8: 229-244.

Habibovic, P., Juhl, M.V., Clyens, S., Martinetti, R., Theilgaard, N., Van Blitterswijk, C.A., (2010), Comparison of two carbonated apatite ceramics in vivo, *Acta Biomaterialia*, 6: 2219-2226.

Hilmy, N., Yusof, N., Nather, A., (2018), *Human Amniotic Membrane Basic Science and Clinical Application*, World Scientific Publishing, Singapore, pp. 325.

Israel, G.D., (2003), Determining Sample Size, *PEOD6*, 6: 1-5.

Jocher, M., Gattermayer, M., Kleebe, H.J., Kleemann, S., Blesalski, M., (2014), Enhancing the wet strength of lignocellulosic fibrous networks using photo-crosslinkable polymers, *Cellulose*, 22: 581-591.

- Klotz, B.J., Gawlitta, D., Rosenberg, A.J.W.P., Malda, J., Melchels, F.P.W., (2016), Gelatin-methacryloyl hydrogels: towards biofabrication-based tissue repair, *Trends in Biotechnology*, 34(5): 394-407.
- Kinane, D.F., Stathopoulou, P.G., Papapanou, P.N., (2017), Periodontal diseases, *Natural Reviews Disease Primers*, 3(17038): 1-14.
- Liu, H., Li, W., Wen, W., Luo, B., Liu, M., Ding, S., Zhou, C., (2017), Mechanical properties and osteogenic activity of poly(L-lactide) fibrous membrane synergistically enhanced by chitosan nanofibers and polydopamine layer, *Materials Science & Engineering C*, 81: 280-290.
- Moschallski, M., Baader, J., Prucker, O., R  he, J., (2010), Printed protein microarrays on unmodified plastic substrates, *Analytica Chimica Acta*, 671: 92-98.
- Narbat, M.K., Orang, F., Hashtjin, M.S., Goudarzi, A., (2006), Fabrication of porous hydroxyapatite-gelatin composite scaffolds for bone tissue engineering, *Iran. Biomed. J.*, 10(4): 215-223.
- Nasajpour, A., Ansari, S., Rinoldi, C., Rad, A.S., dkk, (2017), A multifunctional polymeric periodontal membrane with osteogenic and antibacterial characteristics, *Advanced Functional Material*, 28: 1-8.
- Newman, M.G., Takei, H.H., Klokkevold, P.R., Carranza, F.A., (2015), *Carranza's Clinical Periodontology 12th Edition*, Elsevier Saunders, Missouri, pp. 161-162.
- Oktavia, N., (2015), *Sistematika Penulisan Karya Ilmiah Ed. 1*, Deepublish Publisher, Yogyakarta, pp. 63-64.
- Pajoumshariati, S., Shirali, H., Yavari, S.K., Sheikholeslami, S.N., Lotfi, G., Abbas, F.M., Abbaspourrad, A., (2018), GBR membrane of novel poly(butylene succinate-co-glycolate) co-polyester co-polymer for periodontal application, *Scientific Reports*, 7513: 1-16.
- Patriatri, A., Ardhani, R., Pranowo, H.D., Putra, E.G.R., Ana, I.D., (2016), The effect of freeze-thaw treatment to the properties of gelatin-carbonated hydroxyapatite membrane for nerve regeneration scaffold, *Key Engineering Materials*, 696: 129-144.
- Payadnya, I.P.A.A., Jayantika, I.G.A.N.T., (2018), *Panduan Penelitian Eksperimen beserta Analisis Statistik dengan SPSS, Ed. 1*, Deepublish Publisher, Yogyakarta, pp. 55.
- Pidhatika, B., Zhao, N., Zinggeler, M., R  he, J., 2019, Surface-attached dual-functional hydrogel for controlled cell adhesion based on poly(N,N-dimethylacrylamide), *J. Polym Res*, 26(29): 1-12.
- Prasertsung, I., Damrongsakkul, S., Saito, N., (2013), Crosslinking of a gelatin solutions induced pulses electrical discharges in solutions, *Plasma Process. Polym.*, 2013(10): 792-797.

- Rakhmatia, Y.D., Ayukawa, Y., Furuhashi, A., Koyano, K., (2018), Carbonate apatite containing stain enhances bone formation in healing incisal extraction sockets in rats, *Materials*, 11(1201): 1-15.
- Ratnayake, J.T.B., Mucalo, M., Dias, G.J., (2016), Substituted hydroxyapatites for bone regeneration: A review of current trends, *Journal of Biomedical Materials Research Part B*, 105B: 1285-1299.
- Rieger, J., Zhang, W., Stoffelbach, F., Charleux, B., (2010), Surfactant-free RAFT emulsion polymerization using poly(N,N-dimethylacrylamide) trithiocarbonate macromolecular chain transfer agents, *Macromolecules Article*, 43: 6302-6310.
- Sam, G., Pillai, B.R.M., (2014), Evolution of barrier membranes in periodontal regeneration-“Are the third generation membranes really here?”, *Journal of Clinical and Diagnostic Research*, 8(12): 14-17.
- Samaranayake, L., (2012), *Essential Microbiology in Dentistry*, Fourth Edition, Churchill Livingstone, Toronto, pp. 287-288
- Santos, L.F., Correia, I.J., Silva, A.S., Mano, J.F., (2018), Biomaterials for drug delivery patches, *European Journal of Pharmaceutical Science*, 118: 49-66.
- Sheikh, Z., Hamdan, N., Ikeda, Y., Grynepas, M., Ganss, B., Glogauer, M., (2017), Natural graft tissues and synthetic biomaterials for periodontal and alveolar bone reconstructive applications: a review, *Biomaterials Research*, 21: 9.
- Sorsa, T., Gursoy, U.K., Nwhator, S., Hernandez, M., Tervahartiala, Leppilahti, J., Gursoy, M., Kononen, E., Emingi, G., Pussinen, P.J., Mantyla, P., (2016), Analysis of matrix metalloproteinases, especially MMP-8, in gingival crevicular fluid, mouthrinse and saliva for monitoring periodontal diseases, *Periodontology 2002*, 70: 142-163.
- Suntornnond, R., An, J., Wai, Y.Y., Chua, C.K., (2015), Biodegradable polymeric films and membranes processing and forming for tissue engineering, *Macromolecular Materials and Engineering*, 9: 858-877.
- Tavsanlı, B., Can, V., Okay, O., (2015), Mechanically strong triple network hydrogels based on hyaluronan and poly(N,N-dimethylacrylamide), *The Royal Society of Chemistry*, 11: 8517-8524.
- Trisnawati, D.A., Sularsih, Widaningsih, (2019), The difference compressive strength of scaffold combination chitosan and aloe vera extracted water and ethanol, *Denta Jurnal Kedokteran Gigi*, 13(1): 11-16.
- Wagner, J.R., Mount, E.M., Giles, H.F., (2014), *Extrusion: The Definitive Processing Guide and Handbook*, Second Edition, Elsevier, Waltham, pp. 244-245.
- Wahyuni, S., Damayanti, A., (2016), Pengaruh konsentrasi dan kecepatan pengadukan terhadap karakteristik membran komposit chitosan, *Jurnal Purifikasi*, 16(1): 44-53.

- Wang, J., Wang, L., Zhou, Z., Lai, H., Xu, P., Liao, L., Wei, J., (2016), Biodegradable polymer membranes applied in guided bone/tissue regeneration: a review, *Polymers*, 8(115): 1-20.
- Warastuti, Y., Abbas, B., Suryani, N., (2013), Pembuatan komposit polikaprolakton-kitosan-hidroksiapatit iradiasi untuk aplikasi biomaterial, *Majalah Metalurgi*, 28(2): 149-160.
- Wu, D., Xu, J., Chen, Y., Yi, M., Wang, Q., (2018), Gum Arabic: A promising candidate for the construction of physical hydrogels exhibiting highly stretchable, self-healing and tensility reinforcing performance, *Carbohydrate Polymers*, 181: 167-174.
- Yao, R., He, J., Meng, G., Jiang, B., Wu, F., (2016), Electrospun PCL/Gelatin composite fibrous scaffolds: mechanical properties and cellular responses, *Journal of Biomaterials Science*, 27(9): 824-838.