DAFTAR PUSTAKA

Abdel-Naby, W., Cole, B., Liu, A., Liu, J., Wan, P., Schreiner, R., Infanger, D.W., Paulson, N.B., Lawrence, B.D., Rosenblatt, M.I., 2017. Treatment with solubilized Silk-Derived Protein (SDP) enhances rabbit corneal epithelial wound healing. PLoS ONE 12, e0188154.

Asgary, S., 2014. Mineral Trioxide Aggregate and Evidence-Based Practice, in: Camilleri, J. (Ed.), Mineral Trioxide Aggregate in Dentistry: From Preparation to Application. Springer, Berlin, Heidelberg, pp. 173–199.

Bogen, G., Kim, J.S., Bakland, L.K., 2008. Direct Pulp Capping With Mineral Trioxide Aggregate. The Journal of the American Dental Association 139, 305–315.

Cao, T.-T., Wang, Y.-J., Zhang, Y.-Q., 2013. Effect of Strongly Alkaline Electrolyzed Water on Silk Degumming and the Physical Properties of the Fibroin Fiber. PLoS One 8.

Chen, S., Liu, M., Huang, H., Cheng, L., Zhao, H.-P., 2019. Mechanical properties of *Bombyx mori* silkworm silk fibre and its corresponding silk fibroin filament: A comparative study. Materials & Design 181, 108077.

Choung, H.W., Lee, D.S., Lee, Ji-Hyun, Shon, W.J., Lee, Jong-Ho, Ku, Y., Park, J.C., 2016. Tertiary Dentin Formation after Indirect Pulp Capping Using Protein CPNE7. J Dent Res 95, 906–912.

da Rosa, W.L.O., Piva, E., da Silva, A.F., 2018. Disclosing the physiology of pulp tissue for vital pulp therapy. International Endodontic Journal 51, 829–846.

de Lima, C.L., Coelho, M.S., Royer, C., Resende, A.P., Borges, G.A., Rodrigues da Silva, J., Amato, A.A., Guerra, E., Neves, F. de A.R., Acevedo, A.C., 2015. Rosiglitazone Inhibits Proliferation and Induces Osteopontin Gene Expression in Human Dental Pulp Cells. J Endod 41, 1486–1491.

Decup, F., Six, N., Palmier, B., Buch, D., Lasfargues, J.J., Salih, E., Goldberg, M., 2000. Bone sialoprotein-induced reparative dentinogenesis in the pulp of rat's molar. Clinical Oral Investigations 4, 110–119.

Diogenes, A., Ruparel, N.B., Shiloah, Y., Hargreaves, K.M., 2016. Regenerative endodontics. The Journal of the American Dental Association 147, 372–380.

Endrawati, Y.C., Siregar, H.C.H., Kaomini, M., 2006. Kajian Pengaruh Bobot Kokon Induk Terhadap Kualitas Telur Persilangan Ulat Sutera (*Bombyx mori* L.) Ras Jepang Dengan Ras Cina. JPI 11, 173.

Farokhi, M., Mottaghitalab, F., Fatahi, Y., Khademhosseini, A., Kaplan, D.L., 2018. Overview of Silk Fibroin Use in Wound Dressings. Trends in Biotechnology 36, 907–922.

Goldberg, M., Smith, A.J., 2004. Cells and Extracellular Matrices of Dentin and Pulp: A Biological Basis for Repair and Tissue Engineering. Critical Reviews in Oral Biology & Medicine 15, 13–27.

Han, N., Zheng, Y., Li, R., Li, X., Zhou, M., Niu, Y., Zhang, Q., 2014. β-Catenin Enhances Odontoblastic Differentiation of Dental Pulp Cells through Activation of Runx2. PLoS ONE 9, e88890.

Hargreaves, K.M., Cohen, S., Berman, L.H. (Eds.), 2011. Cohen's pathways of the pulp, 10th ed. ed. Mosby Elsevier, St. Louis, Mo.

Hilton, T.J., 2009. Keys to Clinical Success with Pulp Capping: A Review of the Literature. Operative Dentistry 34, 615–625.

Junqueira's Basic Histology Text & Atlas (14th ed.) [WWW Document], n.d. . ResearchGate.URLhttps://www.researchgate.net/publication/283490690_Junqueira%27s_Basic_Histology_Text_Atlas_14th_ed (accessed 2.25.20).

Khadka, D.B., Haynie, D.T., 2012. Protein- and peptide-based electrospun nanofibers in medical biomaterials. Nanomedicine: Nanotechnology, Biology and Medicine 8, 1242–1262.

Kim, J., Song, Y.-S., Min, K.-S., Kim, S.-H., Koh, J.-T., Lee, B.-N., Chang, H.-S., Hwang, I.-N., Oh, W.-M., Hwang, Y.-C., 2016. Evaluation of reparative dentin formation of ProRoot MTA, Biodentine and BioAggregate using micro-CT and immunohistochemistry. Restorative Dentistry & Endodontics 41, 29–36.

Komabayashi, T., Zhu, Q., Eberhart, R., Imai, Y., 2016. Current status of direct pulp-capping materials for permanent teeth. Dental Materials Journal 35, 1–12.

Komori, T., 2010. Regulation of Osteoblast and Odontoblast Differentiation by RUNX2. Journal of Oral Biosciences 52, 22–25.

Kumar, J.S., Kumar, N.S., 2011. Production Efficiency of Cocoon Shell of Silkworm, *Bombyx mori* L. (Bombycidae: Lepidoptera), as an Index for Evaluating the Nutritive Value of Mulberry, *Morus* sp. (Moraceae), Varieties. Psyche: A Journal of Entomology 2011, 1–3.

Lawrence, B.D., Marchant, J.K., Pindrus, M.A., Omenetto, F.G., Kaplan, D.L., 2009. Silk film biomaterials for cornea tissue engineering. Biomaterials 30, 1299–1308.

Lee, D.-S., Lim, M.-J., Choi, Y., Rosa, V., Hong, C.-U., Min, K.-S., 2016. Tooth discoloration induced by a novel mineral trioxide aggregate-based root canal sealer. Eur J Dent 10, 403–407.

Lee, J.H., Park, E., Jin, H.J., Lee, Y., Choi, S.J., Lee, G.W., Chang, P.-S., Paik, H.-D., 2017. Anti-inflammatory and anti-genotoxic activity of branched chain amino acids (BCAA) in lipopolysaccharide (LPS) stimulated RAW 264.7 macrophages. Food Sci. Biotechnol. 26, 1371–1377.

Lu, Y., Liu, T., Li, H., Pi, G., 2008. Histological evaluation of direct pulp capping with a self-etching adhesive and calcium hydroxide on human pulp tissue. International Endodontic Journal 41, 643–650.

Lukasova, V., Buzgo, M., Sovkova, V., Dankova, J., Rampichova, M., Amler, E., 2017. Osteogenic differentiation of 3D cultured mesenchymal stem cells induced by bioactive peptides. Cell Proliferation 50, e12357.

Martín-González, J., Pérez-Pérez, A., Cabanillas-Balsera, D., Vilariño-García, T., Sánchez-Margalet, V., Segura-Egea, J.J., 2019. Leptin stimulates DMP-1 and DSPP expression in human dental pulp via MAPK 1/3 and PI3K signaling pathways. Archives of Oral Biology 98, 126–131.

Mjör, I.A., Ferrari, M., 2002. Pulp-dentin biology in restorative dentistry. Part 6: Reactions to restorative materials, tooth-restoration interfaces, and adhesive techniques. Quintessence Int 33, 35–63.

Mondal, M., Trivedy, K., Kumar, S.N., n.d. The silk proteins, sericin and fibroin in silkworm, *Bombyx mori* Linn., - a review 14.

Murray, P.E., Godoy F.G. 2006. The Incidence Of Pulp Healing Defects With Direct Capping Materials. American Journal of Dentistry. 19 (3), 171-177.

Murray, R. K., Rodwell, V.W., Bender. D., Botham, K.M., Weil, P.A., Kennelly, P.J., 2009. Harper's Illustrated Biochemistry, 28th Edition. Lange, US.

Nowicka, A., Łagocka, R., Lipski, M., Parafiniuk, M., Grocholewicz, K., Sobolewska, E., Witek, A., Buczkowska-Radlińska, J., 2016. Clinical and Histological Evaluation of Direct Pulp Capping on Human Pulp Tissue Using a Dentin Adhesive System. BioMed Research International 2016, 1–9.

Papagerakis, P., Berdal, A., Mesbah, M., Peuchmaur, M., Malaval, L., Nydegger, J., Simmer, J., Macdougall, M., 2002. Investigation of osteocalcin, osteonectin, and dentin sialophosphoprotein in developing human teeth. Bone 30, 377–385.

Park, S.-H., Gil, E.S., Shi, H., Kim, H.J., Lee, K., Kaplan, D.L., 2010. Relationships between degradability of silk scaffolds and osteogenesis. Biomaterials 31, 6162–6172.

Puspita, S., Utoro, T., Haniastuti, T., 2016. Nestin expressions of exposed pulp after direct pulp capping by calcium hydroxide and platelet rich plasma. Eur J Dent 10, 341–344.

Quispe-Salcedo, A., Ida-Yonemochi, H., Nakatomi, M., Ohshima, H., 2012. Expression patterns of nestin and dentin sialoprotein during dentinogenesis in mice. Biomedical Research 33, 119–132.

Rechenberg, D.-K., Galicia, J.C., Peters, O.A., 2016. Biological Markers for Pulpal Inflammation: A Systematic Review. PLoS ONE 11, e0167289.

Rockwood, D.N., Preda, R.C., Yücel, T., Wang, X., Lovett, M.L., Kaplan, D.L., 2011. Materials fabrication from *Bombyx mori* silk fibroin. Nat Protoc 6, 1612–1631.

Sah, M.K., Pramanik, K., 2010. Regenerated Silk Fibroin from Silk Cocoon for Tissue Engineering Applications. IJESD 404–408.

Sidharta, V.M., Herningtyas, E.H., Lagonda, C.A., Fauza, D., Kusnadi, Y., Susilowati, R., Partadiredja, G., 2018. High VEGF Level is Produced by Human Umbilical Cord- Mesenchymal Stem Cells (hUC-MSCs) in Amino Acid-Rich Medium and under Hypoxia Condition. The Indonesian Biomedical Journal 10, 222–30.

Smith, A.J., Duncan, H.F., Diogenes, A., Simon, S., Cooper, P.R., 2016. Exploiting the Bioactive Properties of the Dentin-Pulp Complex in Regenerative Endodontics. Journal of Endodontics 42, 47–56.

Son, D.H., Yang, D.J., Sun, J.S., Kim, S.K., Kang, N., Kang, J.Y., Choi, Y.-H., Lee, J.H., Moh, S.H., Shin, D.M., Kim, K.W., 2018. A Novel Peptide, Nicotinyl–Isoleucine–Valine–Histidine (NA–IVH), Promotes Antioxidant Gene Expression and Wound Healing in HaCaT Cells. Mar Drugs 16.

Sultana, R., Alam, M.S., 2016. Conduction of reparative dentin: A pulp protecting approach by indirect pulp capping in deep carious lesion with biodentine. Bangabandhu Sheikh Mujib Medical University Journal 9, 227–230. Sunarintyas, S., Siswomihardjo, W., Tontowi, A.E., 2012. Cytotoxicity of *Cricula triphenestrata* Cocoon Extract on Human Fibroblasts. International Journal of Biomaterials 2012, 1–5.

Suzuki, M., Taira, Y., Kato, C., Shinkai, K., Katoh, Y., 2016. Histological evaluation of direct pulp capping of rat pulp with experimentally developed

low-viscosity adhesives containing reparative dentin-promoting agents. Journal of Dentistry 44, 27–36.

Suzuki, Y., 2016. Structures of silk fibroin before and after spinning and biomedical applications. Polym J 48, 1039–1044. https://doi.org/10.1038/pj.2016.77

Tahira, T., Jouhar, R., Ghani, H., Ahmed, N., Rao, A., Jamil, S., 2018. The effect of mineral trioxide aggregate as a direct pulp capping agent in permanent teeth. J Int Oral Health 10, 310.

Taira, Y., Shinkai, K., Suzuki, M., Kato, C., Katoh, Y., 2011. Direct pulp capping effect with experimentally developed adhesive resin systems containing reparative dentin-promoting agents on rat pulp: mixed amounts of additives and their effect on wound healing. Odontology 99, 135–147.

Tamura, M., Nemoto, E., 2016. Role of the Wnt signaling molecules in the tooth. Jpn Dent Sci Rev 52, 75–83. https://doi.org/10.1016/j.jdsr.2016.04.001

Wang, J., Liu, B., Gu, S., Liang, J., 2012. Effects of Wnt/β-catenin signalling on proliferation and differentiation of apical papilla stem cells. Cell Prolif 45, 121–131.

Wong, A., Ghassemi, E., Yellowley, C.E., 2014. Nestin expression in mesenchymal stromal cells: regulation by hypoxia and osteogenesis. BMC Vet Res 10, 1–9.

Xie, L., Zeng, X., Hu, J., Chen, Q., 2015. Characterization of Nestin, a Selective Marker for Bone Marrow Derived Mesenchymal Stem Cells. Stem Cells International 2015, 1–9.

Yan, L.-P., Silva-Correia, J., Ribeiro, V.P., Miranda-Gonçalves, V., Correia, C., da Silva Morais, A., Sousa, R.A., Reis, R.M., Oliveira, A.L., Oliveira, J.M., Reis, R.L., 2016. Tumor Growth Suppression Induced by Biomimetic Silk Fibroin Hydrogels. Sci Rep 6, 31037.

Yu, T., Jiang, T., Wei, Q., Li, Y., Kaplan, D.L., 2015. [Wound healing effects of silk fibroin-bone morphogenetic protein-2 scaffolds on inflammatory pulp in rats]. Beijing Da Xue Xue Bao 47, 814–819.

Zakerzadeh, A., Esnaashari, E., Dadfar, S., 2017. In Vitro Comparison of Cytotoxicity and Genotoxicity of Three Vital Pulp Capping Materials. محله ایرانی اندودونتیکس.