

## DAFTAR PUSTAKA

- Ahmed, A., Ilyas, M.S., Chaudhry, S., Fahim, A., Malik, A.A., Baig, M.Z., 2019, Morphological Changes in Dental Pulp With Different Depths of Tooth Preparation, *JUMDC*, 8(3):24-33.
- Aji, G.K., Purwanto, D., Rivai, M., 2018, Pengendali Kecepatan pada Alat Sentrifugasi Menggunakan Metode Logika Fuzzy, *J.Teknik ITS*, 7(2):325-330
- Asnaashari, M., and Moeini, M., 2013, Effectiveness of Lasers in the Treatment of Dentin Hypersensitivity, *J. of Lasers in Med. Sci.*, 4 (1):1-7.
- Asra R., Zulharnita, Amrul M., 2017, Evaluasi Penggunaan Kromatografi Lapis Tipis Kinerja Tinggi (KLTKT) Densitometri Silika Gel 60 F<sub>254</sub> pada Penetapan Kadar Vitamin C yang terdapat pada Daging Buah Naga Ungu, *J. Farmasi Higea*, 9(1):76-84.
- Atria, P., Sampaio, C., Rosas, D., Cordova, C., Fernandez, E., Jorquera, G., 2019, Risk Factors Associated with Tooth Sensitivity in Fixed Dental Prosthesis Treatment: A Literature Review, *Odontoestomatología*, 21(33): 1-15.
- Awang, R.A.R, Masudi, S.M., and Mohd, N.W.Z.W., 2007, Effect of Desensitizing Agent on Shear Bond Strength of An Adhesive System, *J. Arc. Oro. Sci.*, 2: 32-35.
- Arrais, C.A.G, Chan, D.C.N., and Giannini, M., 2004, Effect of Desensitizing Agent on Tubule Occlusion, *J. Appl Oral. Sci.*, 12(2):144-8.
- Berani, R., 2018, Remaining Dentine Thickness Following Tooth Preparation and Its Impact on Dentine-Pulp Complex, *Int J. of Business and Tech.*, 6(2) :1-8.
- Brunelle, J.L., Green, R., 2014, One Dimensional SDS Polyacrylamide Gel Electrophoresis (1D SDS-PAGE), *Methods in Enzymology*, 541:151-159.
- Budiyanto, F., 2017, Graphite Furnace Atomic Absorption Spectrophotometry sebagai Metode Analisis Logam Berat, *Oseana*, 42(3): 9-20.
- Cohen, J., 1988, *Statistical Power Analysis for the Behavioral Sciences*, 2<sup>nd</sup> Ed. Routledge
- Creanor, S., 2016, *Dasar-Dasar Biologi Oral Klinis (Terj)*, Susilowati, H., Jonarta, A.L., Tandelilin, R.TC., Handajani, J., Haniastuti, T., Sitosari, H., 2020, EGC, Jakarta, h. 51-58.

- Cupritabu, 2010. Menghitung Kadar Parasetamol dalam Obat dengan HPLC.  
<http://cuprittrappedonlab.blogspot.com>. diakses 10 April 2017.
- Duygu, S., Safak, K., Sinasi, S.Y, and Ozlem, K., 2009, Effect of Fluor Containing Desensitizing Agent on The Bond Strength of Resin Based Cements to Dentin, *J. Appl. Oral. Sci.*, 17(5):495-500.
- Fanglian H., 2011, BCA (Bicinchoninic Acid) Protein Assay, *Bio Protocol*, 1(5): 1-2
- Faridah, Widiyani S., 2012, Penetapan Kadar Kurkumin dalam Tablet Temulawak (*Curcuma xanthorrhiza* Roxb. ) secara kromatografi lapis tipis densitometri, *ejournal litbang. depkes.*, 5(1): 37-44.
- Goldberg, M., Kulkarni, A.B., Young, M., Boskey, A., 2012, Dentin: Structure, Composition and Mineralization: The Role of Dentin ECM in dentin Formation and Mineralization, *Front Biosci*, 3: 711–735.
- Goldie, M.P., 2011, Potassium Nitrate, Sodium Fluor, Strontium Chloride, and Novamin Technologies for Dentin Hypersensitivity, <http://www.dentistry.com/articles/2011/03/novamin-and-hypersensitivity.html>, diakses 10 Maret 2015.
- Guo, X., Yu, J., Smales, R.J., Chen, H., Si, H., Wu, Y., 2015, Effect of Different Irradiation Times on The Occlusion of Dentinal Tubules when Using A Nd:YAG Laser: An In Vitro SEM Ttudy, *Open J Stomatolog.*, 5: 72-79.
- Gupta, N., Reddy, U.N., Vasundlar, P.L., Ramarao, K.S., Varma, K.V.V.P, and Vinod, V., 2013, Efectiveness of Desensitizing Agent in Relieving the Pre and Postcementation Sensitivity for Full Coverage Restorations: A Clinical Evaluation, *J. Contemp. Dent. Prac.*, 14(5):858-865.
- Hadi, S., 2004, *Methodologi research jilid 4*, ed.12., Andi Offset, Yogyakarta, h. 442.
- Jalandar, S.S., Pandharinath, D.S., Arun, K., and Smita, V., 2012, Comparison Effect of Desensitizing Agent on The Retention of Crowns Cemented with Luting Agents: An In Vitro Study, *J. Adv. Prosthodont.*, 4:127-133.
- Jalalian, E., Meraji, N., and Mirzaei, M., 2009, A Comparison of The Efficacy of Potassium Nitrate and Gluma Desensitizer in The Reduction of Hypersensitivity in Teeth with Full Crown Preparations, *J. Contemp. Dent. Prac.*, 10(1): 1-12.

- Je, Y.J, Park, Y.S, Hwang, J.Y, Ahn, C.B, 2015, Amino Acid Composition and In Vitro Antioxidant and Cytoprotective Activity of Abalone Viscera Hydrolysate, *J. Funct Foods.*;16:94-103
- Kleinberg, I., 2002, Sensistat A New Saliva Based Composition for Simple and Effective Treatment of Dentinal Sensitivity Pain, *J. Dent. Today.*, 21:42–47.
- Kontakiotis, E.G., Filippaatos, C.G., Stefopoulos, S., Tzanetakakis, G.N., 2014, A Prospective Study of The Incidence of Asymtomatic Pulp Necrosis following Crown Preparation, *J. Int. End.*, 48(6):1-6
- Kratz, F., Muller, C., Korber, N., Umanskaya, N.,Hannig, M., Ziegler, C., 2013, Characterization of Protein Films on Dental Materials: Bicinchoninic Acid Assay (BCA) Studies on Loosely and Firmly Adsorbed Protein Layers, *Phys. Status Solidi A*, 210(5):964-967.
- Kumala, Y.R., Rachmawati D., Hersanto K., 2017, Stimulasi Dentin Reparatif Direct Pulp Capping Menggunakan Ekstrak Ikan Teri (*Stolophorus* sp), *E-Prodenta J. Dent*, 1(2): 45-53
- Kumar, G.S., 2011, *Orban's Oral Histology and Embryology*, 13<sup>th</sup> ed, Elsevier, India.
- Latuihamallo, M., Iriana D., Apituley, D., 2015, Amino Acid and Fatty Acid of Abalon *Haliotis varia*Linnaeus Cultured in Different Aquaculture Systems, *Procedia Food Science*, 3: 174-181
- Lee, Y., Go, E.J.,Jung, H.S., Kim, E., Jung, I.Y., Lee., S.J., 2012, Imunohistochemical Analysis of Pulpal Regeneration by Nestin Expression in Replanted Teeth, *J. Int. End.*, 45: 652-659
- Li, P., Xue, Y., Zhang, W., Teng, F., Sun, Y., Qu, T, Chen, Xa, Cheng, X, Song, B, Luo,W., and Yu, Q., 2013, Sodium Fluor Induces Apoptosis in Odontoblasts Via A JNK-Dependent Mechanism, *J. Toxicol.*, 308: 138-145.
- Manns, J.M., 2011, SDS-Polyacrylamide Gel Electrophoresis (SDS-PAGE) of Protein, *Curr. Protoc. Microbiol.*, 22: 1-13.
- Maizel, J.V, 2000, SDS-Polyacrylamide Gel Electrophoresis, *Trends Biochem. Sci.* 25:590-592.

- Mei, Y.F., Yamaza, T., Atsuta, I., Danjo, A., Yamashita, Y., Kido, M.A., Goto, M., Akamine, A., Tanaka, T., 2007, Sequential Expression of Endothelial Nitric Oxide Synthase, Inducible Nitric Oxide Synthase and Nitrotyrosine in Odontoblasts and Pulp Cells During Dentin Repair after Tooth Preparation in Rat Molars, *Cell Tissue Res.*, 328: 117-127.
- Mohan, M., Kozhithodi A., Nayarisseri A., Elyas K.K., 2018, Screening, Purification and Characterization of Protease Inhibitor from *Capsicum Frutescens*, *Bioinformation*, 14(6): 285-293.
- Najafi, S., Ghasempour, M., Davoodabadi, A., Kazemi, S., 2019, Effect of Arginine, Protamine, and Aqueous Extracts of Green Tea and Aloe Vera Against *Enterococcus faecalis*, *J. Islam Dent. Assoc. Iran*, 31(1):8-13.
- Najmudeen, T.M., 2015, Biometric Relationships of The Indian abalone *Haliotis varia* Linnaeus 1758, *Indian J. Fish*, 62(3): 146-150
- Nawareg, M.M.A., Zidan, A.Z., Zhou, J., and Agee, K., 2015, Adhesive Sealing of Dentin Surfaces In Vitro: A review, *Am. J. Dent.*, 28(6): 321–332.
- Novia, D., Melia, S., Ayuza, N.Z., 2011, Kajian Suhu Pengovenan terhadap Kadar Protein dan Nilai Organoleptik Telur Asin, *J. Peternakan*, 8(2): 70-76
- Nurjanah, Izzati, L., Abdullah, A., 2011, Aktivitas Antioksidan dan Komponen Bioaktif Kerang Pisau (*Solen spp.*), *Ilmu Kelautan*, 16(3) 119-124.
- Nurrohman, H., Carneiro, K.M.M., Hellgeth, J., Saeki, K., Marshall, S.J., Marshall, G.W., Habelitz, S., 2017, The role of Protease Inhibitors on The Remineralization of Demineralized Dentin Using PILP Method., *PLoS One*, 12(11):e0188277, Published online November 2018
- Panalytical, B.V., 2009, X-ray Fluorescence Spectrometry, <http://www.panalytical.com/index.cfm?pid=130>, diakses 10 April 2017
- Pereira, J.C., Segala, A.D., and Gillam, D.G, 2005, Effect of Desensitizing Agents on The Hydraulic Conductance of Human Dentin Subjected to Different Surface Pre Treatments an In Vitro Study, *J. Dent. Mater.*, 21(2):129-138.
- Petrou, I., Heu, R., Stranick, M., Lavender, S., Zaidel, L., Cummins, D., Sullivan, R.J., Hsueh, C., and Gimzewski, J.K., 2009, A Breakthrough Therapy for Dentin Hypersensitivity: How Dental Products Containing 8% Arginine and Calcium Carbonate Work to Deliver Effective Relief of Sensitive Teeth, *J. Clin. Dent.*, 20:23–31.

- Pinto, S.C.S., Pochapski, M.T., Wambier, D.S., Pilatti, G.L., Santos, F.A., 2010, In Vitro and In Vivo Analyses of The Effect of Desensitizing Agents on Dentin Permeability and Dentinal Tubule Occlusion, *J.Oral.Sci*, 52(1): 23-32
- Podhorsky, A., Rehman, P., Wostmann, B., 2015 Tooth Preparation for Full Coverage Restorations-A literature Review, *J. Clin. Oral. Invest.*, 19(5): 1-10.
- Prawitasari, P.G., Samadi, K., Subiyanto, A., 2018, Perbedaan Ketebalan Odontoblast Like Cells setelah aplikasi CAPE dan Kalsium Hidroksida, *J. Conserv. Dent.*, 8(2): 60-64.
- Purwanto, M.GM., 2014, Perbandingan Analisa Kadar Protein Terlarut dengan Berbagai Metode Spektroskopi UV-Visible, *J. Sains & Tek.*, 7(2):64-71.
- Rajana, S., Ljunggren, A., Manton, D.J., Bjorknerb, A.E., McCullough, M., 2020, Review: Post Mitotic Odontoblasts in Health, Disease, and Regeneration, *Arch. Oral Biology*, 109 :1-8.
- Rohman A., *Kromatografi untuk Analisa Obat*, Edisi ke-1, Yogyakarta, Graha Ilmu.
- Rusin, R.P., Agee, K., Suchko, M., and Pashley, D.H., 2010, Effect of A New Desensitizing Material On Human Dentin Permeability, *J. Dent. Mat.*, 26 : 600–607
- Salcedo, A.Q, Yonemochi, H.I., Nakatomi, M., Ohshima, H., 2012, Expression Pattern of Nestin and Dentin Sialoprotein During Dentinogenesis in Mice, *Biomedical Research*, 33(20): 119-132.
- Setyono, D. E. D., 2009, *Abalon Biologi dan Reproduksi*, Lipi Press, Mataram, h. 10-20.
- Shah, D., Lynd T., Ho D., Chen J., Vines J., Jung H.D., Kim J.H., Zhang P., Wu H., Jun H.W., Cheon K., 2020, Pulp Dentin Tissue Healing Response: A Discussion of Current Biomedical Approaches, *J. Clin. Med.*, 9(434): 2-17
- Shaofeng, An., 2020, Nitric Oxide in Dental Pulp Tissue: From Molecular Understanding to Clinical Application in Regenerative Endodontic Procedures, *Tissue Engineering*, Part B :1-21
- Shiau, H.J., 2012, Dentin Hypersensitivity, *J.Evid. Base Dent Pract.*, 12(1): 220-228.
- Shigetani, Y., Sasa., N., Suzuki., H., Okiji., T., Ohshima, H., 2011, GaAIAs Laser Irradiation Induces Active Tertiary Dentin Formation after Pulpal Apoptosis and Cell Proliferation in Rat Molars, *J. Endodontic*, 37: 1086-1091.

- Singh S., 2013, Pro-Argin: A Breakthrough Technology for Dentin Hypersensitivity Treatment, *Int. J. of Sci. Study.*, 1 (3):133-137.
- Song, M., Yu, B., Kim, S., Hayashi, M., Smith, C., Sohn, S., Kim, E., Lim, J., Stevenson, R.G., Kim, R.H., 2017, Clinical and Molecular Perspective of Reparative Dentin Formation: Lessons Learned from Pulp-Capping Materials and The Emerging Roles of Calcium, *Dent. Clin. N. Am.*, 61: 93-110.
- Sonoda, S., Mei, Y.F., Atsuta, I., Danjo, A., Yamaza, H., Hama, S., Nishida, K., Tamg, R., Nakamura, Y.K., Uehara, N., Kukita, T., Nishimura, F., Yamaza, T., 2018, Exogenous Nitric Oxide Stimulates The Odontogenic Differentiation of Rat Dental Pulp Stem Cells, *Scientific Reports*, 8 (1): 1-11.
- Suleria, H.A.R., Masci, P.P., Gobe, G.C., Osborne, S.A., 2017, Therapeutic Potential of Abalone and Status of Bioactive Molecules: A Comprehensive Review, *Crit Rev Food Sci Nutr*, 57(8): 1742-1748
- Supranto, J., 2000, *Teknik Sampling untuk Survei dan Eksperimen*, Penerbit PT Rineka Cipta, Jakarta.
- Suprayitno, E., Sulistiyati, T.D., 2017, *Metabolisme Protein*, Cetakan pertama, UB Press, Malang
- Susanti, N.N., Sukmawardani Y., Musrifoh, I., 2016, Analisis Kalium dan Kalsium pada Ikan Kembung dan Ikan Gabus, *IJPST*, 3(1):26-30
- Susanto, B., Rusdi, I., Ismi, S., Rahmawati, R., 2010, Pemeliharaan Yuwana Abalon (*Haliotis varia* Linnaeus) Turunan F-1 secara Terkontrol dengan Jenis Pakan Berbeda, *J. Ris Akuakultur*, 5 (2): 199-209.
- Temenoff, J.S., and Mikos, A.G., 2008, *Biomaterials The Intersection of Biology and Materials Science*, Person Education Inc, USA.
- Vitalariu, A, Caruntu, I.D., 2005, Morphological Changes in Dental Pulp after The Teeth Preparation Procedure, *Romanian J. Morph. Embryo*, 46 (2): 131-136.
- Wang, Z., Jiang, T., Sauro, S., and Pashley, D.H., Toledano, M., Osorio, R., Liang, S., Xing, W., Sa, Y., Wang, Y., 2011, The Dentine Remineralization Activity of A Desensitizing Bioactive Glass-Containing Toothpaste: An In Vitro Study, *Aus. Dent. J.*, 56: 372–381.

- Wang R, Wang Q, Wang X, Tian L, Liu H, Zhao M, Peng Ce, Cai Q, Shi Y., 2014, Enhancement of Nano-Hydroxyapatite Bonding to Dentin through A Collagen/Calcium Dual-Affinitive Peptide for Dentinal Tubule Occlusion, *J. Biomater. Appl.*, 29(2):268-277.
- Wang, T., Yang, S., Wang, L., and Feng, H., 2015, Use of Poly (Amidoamine) Dendrimer for Dentinal Tubule Occlusion: A Preliminary Study, *www. PLOS ONE* / DOI:10.1371/journal.pone.0124735, diakses 1 Desember 2016.
- Watson, D.G., Ebel, R.A.E., 2012, *Pharmaceutical Analysis A Textbook for Pharmacy Students and Pharmaceutical Chemists*, 3<sup>rd</sup> ed., Elsevier Livingstone, p. 145-150
- Widayati, N., 2011, *Kandungan Protein dan Komposisi Asam Amino pada Abalon (*Haliotis volcanicus*) dan (*Haliotis diversicolor varia Linnaeus*) di Pantai Selatan Gunung Kidul Daerah Istimewa Yogyakarta*, Tesis, Program Magister Program Studi Biologi, Universitas Gadjah Mada, Yogyakarta.
- Williams, C., Wu, Y., Bowers, D.F., 2015, Image J Analysis of Dentin Tubule Distribution in Human Teeth, *J. Tissue and Cell*, 47(4): 1-5.
- Wulandari, L., Retnaningtyas, Y., Mustafidah, D., 2013, Pengembangan dan Validasi Metode Kromatografi Lapis Tipis Densitometri untuk Penetapan Kadar Teofilin dan Efedrin Hidroklorida secara Simultan pada Sediaan Tablet, *JKTI*, 15(1): 15-21.
- Xu, X., Chen, X., Li, J., 2020, Natural Protein Bioinspired Materials for Regeneration of Hard Tissue, *J. Mater. Chem., B*, 1-18.
- Yadav, K., Sofat, A., Singh, R., Gambhir, and Galhotra, V., 2014, Dentin Hypersensitivity Following Tooth Preparation: A Cinical Study in The Spectrum of Gender, *J. Nat. Sci. Bio. Med.*, (5)1:21-25.
- Yogesh, P.B., Preethi, M., Babu, H., Malathi, N., 2013, In Vivo Comparative Evaluation of Tertiary Dentin Deposit to Three Different Luting Cements A Histopathological Study, *J. Indian Prosthodont. Soc.*, 13(3): 205-211