



DAFTAR PUSTAKA

- Abdelkader, N.N., 2015, Modified Technique for Nonvital Tooth Bleaching: A Case Report, *Electronic Physician*, Vol 7(6) :1423-1426.
- ADA Council, 2009, Tooth whitening/bleaching: treatment consideration for dentist and their patient, *ADA*, 1-5
- Al Hassani,A.A., Al Shama, A.M.*ET AL.*,2018, Effect of Delayed Bonding and Antioxidants on Composite Restoration Microleakage of Internally Bleached Teeth, *Adv Den&Oral Health*, 9(3): 1-6.
- Alfarez, F.A., dan Yalkowsky, S.*ET AL.*, 2000, Relationship Between Polysorbate 80 Solubilization Descriptors and Octanol–Water Partition Coefficients of Drugs, *International Journal of Pharmaceutics*, 200 (2000): 217–222.
- Alqahtani, M.Q., 2014, Review Article: Tooth-Bleaching Procedures And Their Controversial Effects: A Literature Review, *The Saudi Dental Journal*, 26 : 33-46.
- Alvarenga, F.A.D.,Pineli, C.,Loffredo, L.D.C.M., 2015, Realibility of Marginal Microleakage Assessment by Visual and Digital Methods, *European Journal of Dentistry*, 9(1):1-5.
- Anusavice, 2013, *Phillip's Sistence of Dental Materials 12th ed.* St. Louis, Saunders.
- Azarmi, R., Ashjaran, A., 2015, Review article: Type and application of some common surfactants, *J. Chem Pharm Res.*, Vol.7(2), 632-40
- Bayne, S.C. dan Thompson, J.*ET AL.*, 2011. Biomaterials. In Heymann, *ET AL.O.*, Swift, E.J. & Ritter, A.V. *Art and Science of Operative Dentistry*. Chapel Hill, North Carolina, USA. hal. e1-e97.
- Betancourt, D. E., Baldion , P. A. dan Castellanos, J.E., 2019, Review Article: Resin- Dentin Bonding Interface: Mechanisms of Degradation and Strategies for Stabilization of the Hybrid Layer, *International Journal of Biomaterials*, Vol.10.
- Bontorim, F., *et al.* 2014, Effect of Two Formulations of 10% Sodium Ascorbate on Fracture Rresistance of Endodontically Treated Tooth Submitted to dental Bleaching with Hydrogen Peroxide Associated Titanium Dioxide Nanoparticles. *Journal of Research in Dentistry*, 2(1): 13-21.
- Borges B, Vale M, Afonso F, Assuncao I., 2014, Can enhanced peroxides decrees the side effects of tooth bleaching? a systematic review of the literature. *IJDS*, 3(2): 84-91.
- Briso, A.L.F., Rahal, V., Sundfeld, R.*ET AL.*, Dantos, P.*ET AL.*, dan Alexandre, R.S., 2014, Effect of Sodium Ascorbate on Dentin Bonding After Two Bleaching Techniques, *Operative Dentistry*, 39(2): 195-203.



- Briso, A.L.F., Toseto, R.M., Rahal, V., Santos, P.ET AL., dan Ambrosano, G.M.B., 2012, Effect of Sodium Ascorbate on Tag Formation in Bleached Enamel. *J Adhes Dent*, 14(1): 19-23.
- Camps, J., de Fraceschi, ET AL., Idir, F., Roland, C., dan About, I., 2007, Time-course Diffusion of Hydrogen Peroxide Trough Human Dentin: Clinical Significance for Young Tooth Internal Bleaching, *J. Endod.*, 33(4): 455-59
- Carey, C.M., 2014, Tooth Whitening: What We Know, *J Evid Based Dent Pract.* 2014(14)70-76.
- Carissa, Cyntia, 2019, Pengaruh Frekuensi Bleaching dan Penambahan Surfaktan dalam Sodium Askorbat 35% terhadap Kekuatan Tarik Resin Komposit Pasca Bleaching dengan Hidrogen Peroksida 35%, (Tesis), Yogyakarta: Program Pendidikan Dokter Gigi Spesialis, Program Studi Konservasi Gigi, Universitas Gadjah Mada
- Chandra, B., Suresh dan Krishna, V. Gopi, 2010, *Grossman's Endodontic Practise 12 ed*, Wolter Kluwer Health, India, hal. 342-360.
- Coppla, F-M., Freire, A., Bittencourt, B., Vega, A.A., Banitez, V.E.B., Calixto, A.L., dan Loguercio, A.D., 2019, Influence Of Simplified, Higher-Concentrated Sodium Ascorbate Application Protocols On Bond Strength Of Bleached Enamel, *J Clin Exp Dent*, 11(1):e21-6.
- D'Souza, R., Qin, C., 2012, Development of the Pulpodentin Complex dalam *Selzer and Bender Pulp*, Diedit oleh Hargreaves, K.M. and Goods, ET AL.E Quintessece Publishing Co.
- Dabas, Deepati., Anand C Patil., Veerendra M Uppin., 2011, Evaluation of the effect of concentration and duration of application of sodium ascorbate hydrogel on the bond strength of composite resin to bleached enamel, *Journal of Conservative Dentistry*, 14 : 356-60.
- Dirgimenci, A., Kara, E., Dirgimenci, B.U., dan Ozcan, M., 2020, Evaluation the Effect of Different Antioxidants Applied After Bleaching on Teeth Color Stability, *Braz Dent Sci*, 23(4): 1-9.
- European Food Safety Authority, 2015, Scientific Opinion on the re-evaluation of ascorbic acid (E 300), sodium ascorbate (E 301) and calcium ascorbate (E 302) as food additives, *EFSA Journal*, 13(5): 1-124.
- Feiz, Atiyeh., Mosleh ET AL et al., 2017, Evaluating the effect of antioxidant agents on shear bond strength of tooth coloured restorative material after bleaching: A systematic review, *J Mech Behav*, 71 : 156-64.
- Fraunhofer, J. Anthony. 2012. Adhesion and Cohesion. *International Journal of Dentistry*. 2012(3): 1-8.
- Freire, A., Durski, M.T., Ingberman, M., Nakao, L.S., Souza, E.M., Vieira, S., 2011, Assessing The Use of 35 Percent Sodium Ascorbate For Removal of Residual Hydrogen Peroxide After In-Office Tooth Bleaching, *JADA*, 147(7): 836-841.



- Freire, A., Souza, E.M., Caldas, D.B.M., Rosa, E.A.R., Bordin, C.F. ET AL., Carvalho, R.M., dan Vieira, S., 2009, Reaction Kinetics Of Sodium Ascorbate And Dental Bleaching Gel, *J Dent*, 37(12): 932 -6.
- Furi, T.A., dan Coniwanti, P., 2012. Pengaruh Perbedaan Ukuran Partikel dari Ampas Tebu dan Konsentrasi Natrium Bisulfit (NaHSO_3) pada Proses Pembuatan Surfaktan. *Jurnal Teknik Kimia*, 4(18): 49-58.
- Garcia, E.J. et al., 2012, Antioxidant Activity by DPPH Assay of Potential Solutions to be Applied on Bleached Teeth, *Braz Dent J*, (2012), 23(1): 22-27
- Garg, N and Garg, A., 2014, *Textbook of Endodontics 3rd ed.* New Delhi : Jaypee Brother Medical Publishers.
- Ghaleb, Maroun., Giovanna O., Angelo P, et al, 2020, The Effect of Different Bleaching Protocols, Use with and Without Sodium Ascorbate, on Bond Strength between Composite and Enamel, *MDPI Journal* : 13,2710.
- Greenwall, L., Fredman, G., dan Gordan, V.V., 2001, *Bleaching Technique in Restorative Dentistry: An Illustrated Guide*, Martin Dunitz.
- Grossman, L. I., Chandra, B. S., dan Gopikrishna, V, 2014. *Grossman's Endodontic Practice 13th Edition*, India: Wolters Kluwer Health.
- Han, ET AL., Mo, S., Jiang, L., dan Zhu ET AL., 2014, Effects Of Antioxidants On The Microleakage Of Composite Resin Restorations After External Tooth Bleaching, *Eur J Dent*, 8(2): 147-153.
- Heymann, ET AL.O., Swift, E.J., dan Ritter, A.V., 2012, *Sturdevant's Art and Science of Operative Dentistry 6th Edition*, St. Louis, Mosby, Elsevier, hal. 310-320.
- Hooshmand T, Mohajerfar M, Keshvad A, and Motahhary P, "Microleakage and marginal gap of adhesive cements for noble alloy full cast crowns," *Operative Dentistry*, vol. 36, no. 3, pp. 258–265, 2011
- Ingle, Jhon I., Rotstein, Ilan., 2019, *Ingle's Endodontics 7*. PMPH USA : North Carolina.
- Ismail, E.ET AL., Kilinc, E., Hardigan, P.C., Rothrock, J.K., Thompson, J.ET AL., Godoy, C.G., 2017, Effect of Two-minute Application of 35% Sodium Ascorbate on Composite Bond Strength following Bleaching, *The Journal of Contemporary Dental Practice*, 18(10) : 874-880.
- Jain, R.J., Jadhav, S.K., Hegde, V.S., 2013, Effect of Conventional and Laser Activated Intracoronal Bleaching Agents on Ultrastructure and Mineral Content of Dentin, *Journal of Dental Lasers*,1(7):2-8.
- Jung, Kyoung-Hwa., Eun-Mi S., An-Na C., et al, 2017, Time of Application of Sodium Ascorbate on Bonding to Bleached Dentine, *Hindawi*.
- Karadas, Muhammet., Demiburga., 2019, Influence of short-time antioxidant application on the dentine bone strength after intracoronal bleaching, *Microscopy Reaserch Tech*, 1-8.



- Kaya AD., Turkum M., Arici M., 2008, Reversal of compromised bonding in bleached enamel using antioxidant gel, *oper dent*, 33: 441-7
- Kesumawardhani, B., Mita, S.R., 2016, Pengaruh Penambahan Tween 80 Sebagai Enhancer Dalam Sediaan Transdermal, *Farmaka Universitas Padjajaran*, Vol 14(2).
- Kimyai, S., Valizadeh, ET AL., 2006, The Effect of Hydrogel and Solution of Sodium Ascorbate on Bond Strength in Bleached Enamel, *Operative Dentistry*, 31- 4, 496-499.
- Klaric, E., Rakic, M., Sever, I., Milat, O., Par, M., dan Tarle, Z., 2015, Enamel and dentin microhardness and chemical composition after experimental lightactivated bleaching, *Operative Dentistry* 40(4):132-141.
- Kumar, D., Singh, A., dan Mishra, D.K., 2015, Role of Surfactant Head Group and Chain Length in Aqueous Lubrication: Steel-steel contact, Proc ImechE Part J: J Engineering Tribology O(0) 1-6.
- Krasnow, ET AL., 2017, Is tooth bleaching really safe?, *The Science Journal of The Lander College of Arts and Sciences* 10(2): 62-72.
- Kwon, S.R., dan Wertz, P.ET AL., 2015, Review of the Mechanism of Tooth Whitening, *Journal of Esthetic and Restorative Dentistry*, 27(5) : 240 – 257.
- Lai, S.C.N., Mak, ET AL .F., Cheung, G.S.P ., Osorio, R., Toledano, M., Carvalho, R.M., Tay, F.R., dan Pashley, D.ET AL., 2001, Reversal of Compromise Bonding to Oxidized Etched Dentin, *J. Dent.Res*, 80(10): 1919-24.
- Lima, A.F., Lessa, F.C.R., Hebling, J., Costa, C.A.D., dan Marchi, G.M., 2010, Protective Effect of Sodium Ascorbate on MDPC-23 Odontoblast Like Cell Exposed to Bleaching Agent, *European Journal of Dentistry*, 4(3): 238-44.
- Lokhande, N., Padmai, A.S., Rathore, V.P.S., Shingane, S., Jayashankar, D.N., Sharma, U., 2014, Effectiveness of Flowable Resin Composite in Reducing Micoleakage- An In Vitro Study, *J Int Oral Health*, 6(3): 111-114.
- Lu, J.M.,Lin, P.ET AL., Yao, Q.,Chen, C., 2010, Chemical and Molecular Mechanism of Antioxidant: Experimental Approaches and Model System, *J. Cell Mol. Med*, 14 (4); 840-860.
- Maleknejad, F., Ameri, ET AL., dan Kianfar, I., 2012, Effect of Intracoronal Bleaching Agents on Ultrastructure and Mineral Content of Dentin, *Journal Conservative Dentistry*, 15(2): 174-177.
- McCabe, J.F., dan Walls, A.ET AL.G., 2008, *Applied Dental Materials, 9th Edition*, Blackwell Munksgard, Oxford, hal.196-203.
- Moosavi, ET AL., Moghaddas, M.J., Ghoddusi, J., Rajabi, O., 2010, Effects of Two Antioxidants on the Micoleakage of Resin-Based Composite Restorations After Nonvital Bleaching, *J Contemp Dent Pract*, 11(6): 1-8.



- Muraguchi, K., Shigenobu, S., Suzuki, S., Tanaka, T., 2007, Improvement of Bonding to Bleached Bovine Tooth Surfaces by Ascorbic Acid Treatment, *Dental Material Journal*, 26(6): 875-881.
- Nascimento, G.C.R., Guerreiro, M.ET AL.R., Carcalho, F.F., Forca, A.R., Junior, M.ET AL.S.E.S., dan Loretto, S.C., 2015, Does Sodium Ascorbate Improve Bond Strength After Dental Bleaching Techniques?, *Rev Odonto Cienc*, 30(4):205- 210.
- Nugraheni, T., Nuryono, N., Sunarintyas, S., Mulyawati, E., 2017, Composite Resin Shear Bond Strength on Bleached Dentin Increased by 35% Sodium Ascorbate Application, *Dental Journal (Majalah Kedokteran Gigi)*, 50(4): 178-182.
- Park, J.ET AL., Kwon, T.ET AL., dan Kim, ET AL.K., 2013, Effective Application Duration Of Sodium Ascorbate Antioxidant In Reducing Microleakage Of Bonded Composite Restoration In Intracoronally-Bleached Teeth, *Restorative Dentistry & Endodontics*, ;38(1):43-47.
- Pashley, D., 2012, Pulpodentin Complex dalam *Selzer and Bender Pulp*, Diedit oleh Hargreaves, K.M. and Goods, ET AL.E Quintessece Publishing Co.
- Pavlenko, V., Ronsenqvist, L., Kochukhov, O., 2015, *Fluid Mechanics*, Department of Physics and Astronomy Uppsala University.
- Perchyonok, V.T., Grobler, S.R., 2015, Tooth-Bleaching: Mechanism, Biological Aspects, and Antioxidants, *Int Journal of Dentistry and Oral Health*, 1 (3): hal. 1-8.
- Perdigão, J. 2016. *Tooth Whitening An Evidence-Based Perspective*, Springer, USA.
- Plotino, G., Buono, L., Grande, N.M., Pameijer, C.ET AL., Somma, F., 2008, Nonvital Tooth Bleaching: A Review of The Literature and Clinical Procedure, *JOE*, 34, (4), et al. 394-407.
- Powers, J.M. dan Sakaguchi, R.L., 2012, *Craig's Restorative Dental Materials 13th Edition*, Elsevier, Philadelphia, hal. 161-79.
- Prathap, S.,2013, Extrinsic Stains and Management: A New Insight. *J. Acad. Indus. Res.* 1(8):435-442.
- Rachim, Putri F., Mirta, eva L., dan Thota, M., 2012, Pembuatan Surfaktan Natriumlignosulfonat dari Tandan Kosong Kelapa Sawit dengan Sulfonasi Langsung, *Jurnal Teknik Kimia*, 1(18): 41-46
- Reningtyas, R dan Mahreni, 2015, Biosurfaktan, *Eksbergi*, XII (2): 1410-394X.
- Reningtyas, R., dan Mahreni, 2015, Biosurfaktan, *Eksbergi*, 12(2): 12-22.
- Restolho, J., Mata, JL., Saramago, B., 2009, On the Interfacial Behavior of Ionic Liquids: Surface tensions and Contact Angles, *Journal of Colloid and Interface Science*, 340 (2009): 82–86.



- Rowe, RC., Sheskey, PJ., dan Quinn, ME., 2009, *Handbook of Pharmaceutical Excipients Sixth Edition*, Pharmaceutical Press, UK, hal: 549-553.
- Sakaguchi, R., Ferrance, J, dan Powers, J., 2019, *Craig's Restorative Dental Materials, 14th Ed*, Elsevier.
- Sasaki, R.T.; Flório, F.M.; Basting, R.T, 2009, Effect of 10% Sodium Ascorbate and 10% α -tocopherol in Different Formulations on the Shear Bond Strength of Enamel and Dentin Submitted to a Home-use Bleaching Treatment, *Oper. Dent*: 34, 746–752.
- Schramm, L., Stasiuk, EN., Marangoni, DG., 2003, Surfactants and Their Applications, *Annu. Rep. Prog. Chem., Sect. C*, 2003(99): 3–48.
- Schwartzberg. LS., dan Navari, RM., 2018, Safety of Polysorbate 80 in the Oncology Setting, *Adv Ther*, 35:754–767
- Sharafeddin, F., Zare, S., Javnmardi, Z., 2013, Effect of Home Bleaching on Micoleakage of Fiber-reinforced and Particle-filled Composite Resins, *JODDD*, 7(4): 211-217.
- Sheraz, M.A., Khan, M.F., Ahmed, S., Kazi, S.ET AL., dan Ahmad, I., 2015, Stability and Stabilization of Ascorbic Acid A Review, *Household and Personal Care Today*, 10(3): 22-25.
- Soesilo, D., 2016, Perawatan Internal Bleaching Untuk Estetik Gigi Pasca Perawatan Endodontik, *Denta Jurnal Kedokteran Gigi*, 10 (2).
- Song, M., Park M., Lee CY., Kim E., 2014, Periapical status related to the quality of coronal restoration and root fillings in a Korean population, *J Endodontic* 40:182-186
- Srinivasulu S, Vidhya S, Sujatha M, Mahalaxmi S. Effect of collagen cross-linkers on the shear bond strength of a self-etch adhesive system to deep dentin. *J Conserv Dent.* 2013;16:135–8.
- Szymczyk, K., Zdziennicka, A., dan Janczuk, B., 2018, Adsorption And Aggregation Properties Of Some Polysorbates At Diferent Temperatures, *Journal of Solution Chemistry*.
- Tarigan, R., 2006, Perawatan Pulpa Gigi, *Buku Kedokteran*, Jakarta
- Torabinejad, M., dan Walton, R., 2009, *Endodontics Principles and Practice 4th Edition*, Saunders Elsevier, hal. 391-404.
- Torabinejad, Mahmoud., Richard E ET AL., Ashraf F Fouad., 2015, *Endodontics Principles and Practice fifth edition*, Elsevier : Missouri, 428-441
- Tredwin, C.J., Naik, S.,Lewis, N.J.,dan Scully,C., 2006, Hydrogen Peroxide Tooth Whitening (Bleaching) Products: Review of Adverse Effects and Safety Issues, *British Dental Journal*, 200(7): 371-376.



- Tridande, Thais., Luana K B., *et al.*, 2016, Bonding Effectiveness of Universal Adhesive to Intracoronal Bleached Dentine Treated with Sodium Ascorbate, *Brazilian Dental Journal*, 27(3): 303-308.
- Turkmen, C., Guleryuz, N., Atah, P.ET AL., 2016, Effect of Sodium Ascorbate and Delayed Treatment on the Shear Bond Strength of Composite Resin to Enamel Following Bleaching, *Nigerian Journal of Clinical Practice*, 19 (1) : hal. 91-98.
- Turkum M., Kya AD, 2004, Effect of 10% sodium ascorbate on the shear bond strength of composite resin to bleached bovine enamel, *J Oral rehab*, 31 : 1184- 91
- Uysal, T., Er, O., Sagsen, B., Ustdal, A., dan Akdogan, G., 2009, Can Intracoronally Bleached Teeth be Bonded Safely?, *American Journal of Orthodontics and Dentofacial Orthopedics*, 136(5) : hal. 690-694.
- Wahyuni, R., Halim, A., dan Trifarmila, R., 2014, Uji Pengaruh Surfaktann Tween 80 dan Span 90 Terhadap Solubilisasi Dekstrometorfan Hidrobromida, *Jurnal Farmasi Higea*, 6(1) : 1-10.
- Whang, ET AL.J., dan Shin, D.ET AL., 2015, Effect of Applying Antioxidants on Bond Strength of Bleached Bovine Dentin, *Restor Dent Endod*, 40(1): 37-43.
- Widowati, K.D., Kristanti, ET AL., dan Nugraheni, T., 2015, Pengaruh Konsentrasi dan Lama Waktu Aplikasi Sodium Askorbat Terhadap Kebocoran Mikro Tumpatan Resin Komposit kavitas Kelas I Pasca Bleaching Intrakoronal dengan Hidrogen Peroksida, *I Ked Gi*, 6(2) : 185 – 191.
- Yuan, ET AL., and Lee, T., 2013, *Contact Angle and Wetting Properties*. Springer Series in Surface Sciences, Springer, Berlin, hal. 3-34.
- Yulianasari, 2020, Pengaruh Konsentrasi Surfaktan Dalam Sodium Askorbat 35% Terhadap Sudut Kontak dan kekuatan Tarik Pelekatan Resin Komposit pada Gigi Pasca Bleaching Intrakoronal dengan Hidrogen Peroksida 35%, (Tesis), *Program Pendidikan Dokter Gigi Spesialis*, Yogyakarta.
- Yuniaty, Maria, 2021, Pengaruh Frekuensi Aplikasi Penambahan Surfaktan 0,4% dalam Sodium Askorbat 35% terhadap Kebocoran Mikro Resin Komposit Pasca Bleaching dengan Hidrogen Peroksida 35%, (Tesis), Yogyakarta: Program Pendidikan Dokter Gigi Spesialis, Program Studi Konservasi Gigi, Universitas Gadjah Mada
- Yusri., Aries C Trilaksana., Christine A Rovani, 2016, Antioxidant effectivity to decrease coronal microleakage of composite resin restoration after intra-coronal bleaching, *Journal of Dentomaxillofacial Science*, 3: 158-168