



DAFTAR PUSTAKA

- Ahrari, F., Akbari, M., Mohammadpour, S., & Forghani, M. (2015). The efficacy of laser-assisted in-office bleaching and home bleaching on sound and demineralized enamel. *Laser Therapy*, 24(4), 257–264. <https://doi.org/10.5978/islsm.15-OR-15>
- Albar, F., & Wibawa, A. S. (2017). Pengaruh perbandingan CMC-Na sebagai gelling agent pada sediaan gel ekstrak bawang daun (*Allium fistulosum L.*) terhadap bakteri *Staphylococcus aureus*. *Jurnal Ilmiah Farmasi*, 1–9
- AlOtaibi FL. (2019). Adverse effects of tooth bleaching: A review. *Int J Oral Care Res*;7:53-5.
- Alqahtani, M. Q. (2014). Tooth-bleaching procedures and their controversial effects: A literature review. *Saudi Dental Journal*, 26(2), 33–46. <https://doi.org/10.1016/j.sdentj.2014.02.002>
- Andriani, A., Handajani, J., & Haniastuti, T. (2012) Pulpal inflammation after vital tooth bleaching with 38% hydrogen peroxide. *Dental Journal (Majalah Kedokteran Gigi)*, 45(2), 89. <https://doi.org/10.20473/j.djmkg.v45.i2.p89-92>
- Arumugam, M. T., Nesamani, R., Kittappa, K., Sanjeev, K., dan Sekar, Mahalaxmi., (2014) Effect of various antioxidants on the shear bond strength of composite resin to bleached enamel: An in vitro study, *Journal of conservative dentistry: JCD*, 17(1), hal. 22–26. <https://doi.org/10.4103/0972 0707.124113>
- Banerjee, A., (2015) *Essentials of Esthetic Dentistry Minimally Invasive Esthetics*, Elsevier, London, h.34-35.
- Basting, Roberta., Amaral, Flavia., França, Fmg., Flório, Flávia. (2012). Clinical Comparative Study of the Effectiveness of and Tooth Sensitivity to 10% and 20% Carbamide Peroxide Home-use and 35% and 38% Hydrogen Peroxide In-office Bleaching Materials Containing Desensitizing Agents. *Operative dentistry*. 37. 464-73. 10.2341/11-337-C.
- Berger, S. B., De Souza Carreira, R. P., Guiraldo, R. D., Lopes, M. B., Pavan, S., Giannini, M., & Bedran-Russo, A. K. (2013). Can green tea be used to reverse compromised bond strength after bleaching? *British Dental Journal*, 215(6), 289–289. <https://doi.org/10.1038/sj.bdj.2013.907>



Cannabrava, Vanessa & Fernandes, Samuel & Magalhaes, Ana Carolina & Ishikirama, Sérgio & Atta, Maria & Wang, Linda. (2014). Bleaching technique effect on dentin permeability. American journal of dentistry. 27. 145.

Chen, L., Deng, H., Cui, H., Fang, J., Zuo, Z., Deng, J., Li, Y., Wang, X., & Zhao, L. (2018). Inflammatory responses and inflammation-associated diseases in organs. *Oncotarget*, 9(6), 7204–721. <https://doi.org/10.18632/oncotarget.23208>

Darmawati, I., (2017) *Pengaruh Pembilasan Sodium Askorbat 10% Dan 25% Terhadap Sel Makrofag Pada Pulpa Gigi Pasca Bleaching Ekstrakoronal 67 Dengan Hidrogen Peroksida 40% (Kajian in vivo terhadap Respon Inflamasi Kronis pada Tikus Wistar)*. Yogyakarta: Tesis Fakultas Kedokteran gigi. hal 23-25

Değirmenci, Alperen & Kara, Emine & Ünalan deðirmenci, Beyza & Özcan, Mutlu. (2020). Evaluation the Effect of Different Antioxidants Applied After Bleaching on Teeth Color Stability. Brazilian Dental Science. 23. 1-9. [10.14295/bds.2020.v23i4.2074](https://doi.org/10.14295/bds.2020.v23i4.2074).

DePond, W. D., (2013) Macrophage Pathology Outline. Available at: <https://www.pathologyoutlines.com/topic/lymphnodesaccessoryimmunemacrophages.html>

DeSouza Costa, C. A. S., Riehl, H., Kina, J. F., Sacono, N. T., Hebling, J., (2010) Human Pulp Responses to In-Office Tooth Bleaching, *Oral Surg Oral Med Oral Pathol Oral Radiol Oral Endod*, 109(4):e59-e64.

Farida, Y., P.S. Wahyudi, S. Wahono, M. Hanafi. (2012). Flavonoid Glycos from The Ethyl Acetate Extract of Keladi Tikus *Typhonium flagelliforme*, 1(4):16-21.

Fernandes, A. M. M., Vilela, P. G. F., Valera, M. C., Bolay, C., Hiller, K. A., Schweikl, H., & Schmalz, G. (2018). Effect of bleaching agent extracts on murine macrophages. *Clinical Oral Investigations*, 22(4), 1771–1781. <https://doi.org/10.1007/s00784-017-2273-1>

Freire, A., Souza, E. M., de Menezes Caldas, D. B., Rosa, E. A. R., Bordin, C. F. W., de Carvalho, R. M., & Vieira, S. (2009). Reaction kinetics of sodium ascorbate and dental bleaching gel. *Journal of Dentistry*, 37(12), 932–936. <https://doi.org/10.1016/j.jdent.2009.07.008>

Gabriela, Ciavoi & Bechir, A. & Suciu, Mircea & Bechir, Edwin & Doda, Lura & Olteanu, Cristian & Dascalu, Ionela. (2017). The Role of Peroxide Based Bleaching Agents in the Induction of Tooth Sensitivity. *Revista de Chimie*.



68. 911-915. 10.37358/RC.17.5.5579

Garg, N., & Garg, A. (2010). Textbook of Endodontics Second Edition. *Jaypee Brothers Medical Publishers (P) Ltd*, 1–6.

Genaro, L. E. (2021). “Efficacy and Adverse Effects of Dental Bleaching in the Office: Literature Review.” *Biomedical Journal of Scientific & Technical Research*, 35(3). <https://doi.org/10.26717/bjstr.2021.35.005694>

Habiburrohman, D., (2018). Aktivitas Antioksidan dan Antimikrobial pada Polifenol Teh Hijau Antioxidant and Antimicrobial Activity in Green Tea Polyphenol. Agromedicine Unila, 5, 587–591

Hamid, A. A., Aiyeleagbe, O. O., Usman, L. A., Ameen, O. M., & Lawal, A. (2010). Antioxidants: Its medicinal and pharmacological applications. *African Journal of Pure and Applied Chemistry*, 4(8), 142–151.

Hargreaves, K. M. dan Berman, L. H. (2016), *Cohen's Pathway of the Pulp*. 11th edn, Elsevier. 11th edn. Edited by K. M. Hargreaves and L. H. Berman. St. Louis, Missouri: Elsevier Inc.

Hasanah, N., & Novian, D. R. (2020). Analisis Ekstrak Etanol Buah Labu Kuning (*Cucurbita Moschata* D.). *Parapemikir : Jurnal Ilmiah Farmasi*, 9(1), 54. <https://doi.org/10.30591/pjif.v9i1.1758>

Ismiyatin, K., Mooduto, L., & Amani Faadhilah, P. D. (2020). Effect of Epigallocatechin-3-gallate (EGCG) on the number of macrophage cells in inflammation of pulp with mechanical injury. *Conservative Dentistry Journal*, 10(1), 9. <https://doi.org/10.20473/cdj.v10i1.2020.31-35>

Ismiyatin, K., Subiyanto, A., Suhartono, M., Sari, P. T., Widjaja, O. V., & Sari, R. P. (2020). Efficacy of topical hydrogel Epigallocatechin-3-gallate against neutrophil cells in perforated dental pulp. *Dental Journal (Majalah Kedokteran Gigi)*, 53(2), 88–92. <https://doi.org/10.20473/j.djmkg.v53.i2.p88-92>

Istiana, sarah. 2016. Formulasi Sediaan Gel Basis Na-Cmc Ekstrak Etanol Daun Cocor Bebek (*Kalanchoe pinnata* (Lmk.) Pers.) Sebagai Penyembuh Luka Bakar Pada Kelinci. Surakarta. Universitas Muhammadiyah Surakarta.

Kanwar, J., Taskeen, M., Mohammad, I., Huo, C., Chan, T. H., & Dou, Q. P. (2012). Recent advances on tea polyphenols. *Frontiers in Bioscience - Elite*, 4 E(1), 111–131. <https://doi.org/10.2741/363>



Khamverdi, Z., Rezaei-Soufi, L., Kasraei, S., Ronasi, N., & Rostami, S. (2013). Effect of Epigallocatechin Gallate on shear bond strength of composite resin to bleached enamel: an in vitro study . *Restorative Dentistry & Endodontics*, 38(4), 241. <https://doi.org/10.5395/rde.2013.38.4.241>

Koh, T. J., & DiPietro, L. A. (2011). Inflammation and wound healing: the role of the macrophage. *Expert Reviews in Molecular Medicine*, 13. <https://doi.org/10.1017/S1462399411001943>

Kristanti, Y., Asmara, W., Sunarintyas, S., & Handajani, J. (2015). Efektivitas Desensitizing Agent dengan dan tanpa Fluor pada Metode in Office Bleaching terhadap Kandungan Mineral Gigi (Kajian In Vitro). *Majalah Kedokteran Gigi Indonesia*, 21(2), 136. <https://doi.org/10.22146/majkedgiind.8746>

Kuehnel, W., & Kuehnel, W. (2019). Color Atlas of Cytology, Histology, and Microscopic Anatomy. *Color Atlas of Cytology, Histology, and Microscopic Anatomy*. <https://doi.org/10.1055/b-005-148882>

Kurnia P, Ardhiyanto H, Suhartini. (2015) Potensi Ektrak Teh Hijau (*Camelliasinensis*) Terhadap Peningkatan Jumlah Sel Fibroblas Socket Pasca Pencabutan Gigi pada Tikus Wistar. e-Jurnal Pustaka Kesehatan. 2015; 3(1), p.126

Li, L.T.A., Benetti, F., Facundo, A.C.S., Ferreira, L.Z., Gomes-Filho, J.E., Ervolino, E., Rahal, V., dan Briso, A.L.F., (2013) The number of bleaching sessions influences pulp tissue damage in rat teeth, *Journal of Endodontics*, 39(12), hal. 1576–1580. <https://doi.org/10.1016/j.joen.2013.08.007>

Li, Y., Zhao, Y., Han, J., Wang, Y., & Lei, S. (2021). Effects of epigallocatechin gallate (EGCG) on the biological properties of human dental pulp stem cells and inflammatory pulp tissue. *Archives of Oral Biology*, 123(22), 105034. <https://doi.org/10.1016/j.archoralbio.2020.105034>

Li M-Y, Liu H-Y, Wu D-T, Kenaan A, Geng F, Li H-B, Gunaratne A, Li H and Gan R-Y.(2022). L-Theanine: A Unique Functional Amino Acid in Tea (*Camellia sinensis* L.) With Multiple -Health Benefits and Food Applications. *Front. Nutr.* 9:853846. doi: 10.3389/fnut.2022.853846

Liang, Yang., Yue-Rong & Liu, Chang & Xiang, Li-Ping & Zheng, Xin-Qiang (2015). Health Benefits of Theanine in Green Tea: A Review. *Tropical Journal of Pharmaceutical Research*. 14. 1943. 10.4314/tjpr.v14i10.29.

Lilaj, B., Dauti, R., Agis, H., Schmid-Schwap, M., Franz, A., Kanz, F., Moritz, A., Schedle, A., & Cvikel, B. (2019). Comparison of bleaching products with up to 6% and with more than 6% hydrogen peroxide: Whitening Efficacy Using BI



and WID and Side Effects – An in vitro Study. *Frontiers in Physiology*, 10(JUL). <https://doi.org/10.3389/fphys.2019.00919>

Lima, A. F., Marques, M. R., s, D. G., Hebling, J., Marchi, G. M., & de Souza Costa, C. A. (2016). Antioxidant therapy enhances pulpal healing in bleached teeth. *Restorative Dentistry & Endodontics*, 41(1), 44. <https://doi.org/10.5395/rde.2016.41.1.44>

Lobo, S., Santos, I. C., Delgado, A. H. S., Proen  a, L., Polido, M., Azul, A. M., & Mendes, J. J. (2021). Antioxidant pre-treatments are able to reduce waiting time for restorative treatment after dental *bleaching*: a microtensile bond strength exploratory study. *Applied Adhesion Science*, 9(1). <https://doi.org/10.1186/s40563-021-00134-x>

Markowitz K. Pretty painful: why does tooth bleaching hurt?. *Med Hypotheses*. 2010;74(5):835-840. doi:10.1016/j.mehy.2009.11.044

Merinda, W., Indahyani, D.E., & Rahayu, Y.C. (2013). Hubungan pH dan Kapasitas Buffer Saliva terhadap Indeks Karies Siswa SLB-A Bintoro Jember (The Correlation between Salivary pH and Buffer Capacity with Caries Index of Students in SLB-A Bintoro Jember).

Mescher, A. L. (2016) Junquieras's. 14th edn, Basic Histology: A Color Atlas and Text. 14th ed. Indiana: Mc Graw Hill Education.

M  llner, E. (2015), Basics of Hematology and Patho-histology. Vienna: MFPL (Max F Perutz Laboratories) Department of Medical Biochemistry Medical University of Vienna.

Oki, A. S., Bimarahmada, M. E. dan Rahardjo, M. B. 2018, Increased Number of Fibroblasts and Neovascularization after Tooth Extraction in Wistar Rats with Moderate-Intensity Continuous Exercise, *Journal of International Dental and Medical Research*, 11(3), hal. 840–845.

  zcan M, Abdin S, Sipahi C. Bleaching induced tooth sensitivity: do the existing enamel craze lines increase sensitivity? A clinical study. *Odontology*. 2014;102(2):197-202. doi:10.1007/s10266-013-0104-7

Ozelin, A. A., Guiraldo, R. D., De Carvalho, R. V., Lopes, M. B., & Berger, S. B. (2014). Effects of green Tea application time on bond strength after Enamel Bleaching. *Brazilian Dental Journal*, 25(5), 399–403. <https://doi.org/10.1590/0103-6440201300015>



Perchyonok, V. T. dan Grobler, S. R. (2015). Tooth-bleaching : Mechanism , Biological Aspect and Antioxidants, *International Journal of Dentistry and Oral Health*, 1(3).

Prawira-Atmaja, M. I., Azhary, B., Harianto, S., Maulana, H., Shabri, S., & Rohdiana, D. (2020). Total Polyphenol, Rehydration Ratio, and Liquor Color of Different Grade Green Tea. *Jurnal Ilmu Pangan Dan Hasil Pertanian*, 3(2), 159–169. <https://doi.org/10.26877/jiph.v3i2.5116>

Puspa Dewi, S. R., Marlamsya, D. O., & Bikarindrasari, R. (2017). Efek antikaries ekstrak gambir pada tikus jantan galur wistar. Majalah Kedokteran Gigi Indonesia, 3(2), 83. <https://doi.org/10.22146/majkedgiind.17407>

Rahadyan.S., (2021). Pengaruh Variasi Aplikasi Desensitizing agent yang mengandung flour terhadap jumlah sel makrofag pada gigi pasca bleaching ekstrakoronal dengan hidrogen peroksida 40% (Kajian In vivo pada Tikus Wistar), Yogyakarta : Tesis Kedokteran Gigi Universitas Gadjah Mada.

Ritter, Andre V., Boushell Lee, W., Walter Ricardo (2019). *Sturdevant's : The art and science of operative dentistry* 7th Ed. pp 417-18

Safinaz, D., Widayandari, P., Meidyawati, R., Kusumasari, C., & Nyoman Putri Artiningsih, D. A. (2023). Effect of green tea extract antioxidant on dentin shear bond strength and resin-tag penetration depth after non-vital bleaching. *F1000Research*, 12, 660. <https://doi.org/10.12688/f1000research.133313.1>

Sarojini, H., Billeter, A. T., Eichenberger, S., Druen, D., Barnett, R., Gardner, S. A., Galbraith, N. J., Polk, H. C., & Chien, S. (2017). Rapid tissue regeneration induced by intracellular ATP delivery - A preliminary mechanistic study. *PLoS ONE*, 12(4). <https://doi.org/10.1371/journal.pone.0174899>

Sato, C., Rodrigues, F. A., Garcia, D. M., Vidal, C. M. P., Pashley, D. H., Tjäderhane, L., Carrilho, M. R., Nascimento, F. D., & Tersariol, I. L. S. (2013). Tooth bleaching increases dentinal protease activity. *Journal of Dental Research*, 92(2), 187–192. <https://doi.org/10.1177/0022034512470831>

Sengupta, P. (2013). The Laboratory Rat: Relating Its Age With Human's , *International Journal of Preventive Medicine*, 4(6), hal. 624–630.

Singh, Brahma N. et al. “Green tea catechin, epigallocatechin-3-gallate (EGCG): mechanisms, perspectives and clinical applications.” *Biochemical pharmacology* 82 12 (2011): 1807-21 .

Sharp, P. dan Villano, J. (2013). The Laboratory Rat. *The Laboratory Rat*. <https://doi.org/10.1016/b978-0-12-426400-7.x5037-7>



- Silna, E. ., Krishnakumar, K., Nair, S. K., Narayanan V., A., & B, D. (2016). Hydrogels in Topical Drug Delivery – A Review. *International Journal of Innovative Drug Discovery*, 6(2), 87–93.
- Silva-Costa RSG, Ribeiro AEL, Assunção IV, Araújo Júnior RF, Araújo AA, Guerra GCB, B. B. (2018). In-office tooth *bleaching* with 38 % hydrogen peroxide promotes moderate
- Soares, D. G., Ribeiro, A. P. D., Sacono, N. T., Loguercio, A. D., Hebling, J., Souza Costa, C. A., (2013) Mineral Loss and Morphological Changes in Dental Enamel Induced by A 16% Carbamide Peroxide Bleaching Gel, *Braz. Dent. J.*, 24(5): 517-521.
- Soares, D. G. dkk., (2014) Concentrations of and application protocols for hydrogen peroxide bleaching gels: Effects on pulp cell viability and whitening efficacy, *Journal of Dentistry*, 42(2), hal. 185–198.
- Soliman, E., Niazy, M., & Hussein, F. (2022). The Effect of Natural Antioxidants on Free Radicals Clearance after Tooth *bleaching*. *Al-Azhar Dental Journal for Girls*, 9(3), 411–420. <https://doi.org/10.21608/adjg.2022.75949.1375>
- Taha dan Clarkson, 2014. Clinician's Guide to the Diagnosis and Management of Tooth Sensitivity. Springer London
- Torabinejad, M. dan Walton, R. E. (2008), *Endodontics Principle and Practice* : 4th Edition. 4th ed. Edited by M. Torabinejad and R. E. Walton. St. Louis, Missouri: Elsevier Ltd.
- Torres, C. R. G. dkk., 2014, Influence of pH on the effectiveness of hydrogen peroxide whitening , *Operative Dentistry*, 39(6), hal. E261–E268
- Vaz, M. M., Lopes, L. G., Cardoso, P. C., de Souza, J. B., Batista, A. C., Costa, N. L., Torres, É. M., & Estrela, C. (2016). Inflammatory response of human dental pulp to at-home and in-office tooth *bleaching*. *Journal of Applied Oral Science*, 24(5), 509–517. <https://doi.org/10.1590/1678-775720160137>
- Voina, C., Muresan, A., Delean, A., Moldovan, A. I., Dumitrescu, L. S., Tonea, A. V., & Valeanu, M. (2019). Effect of an experimental green tea extract bleaching gel on the color changes of a composite resin. *Studia Universitatis Babes-Bolyai Chemia*, 64(4), 93–105. <https://doi.org/10.24193/subbchem.2019.4.07>
- Voina, C., Delean, A., Muresan, A., Valeanu, M., Moldovan, A. M., Popescu, V., Petean, I., Ene, R., Moldovan, M., & Pandrea, S. (2020). Antimicrobial



activity and the effect of green tea experimental gels on teeth surfaces.
Coatings, 10(6), 1–18. <https://doi.org/10.3390/COATINGS10060537>

Wang, C.; Han, J.; Pu, Y.; Wang, X. Tea (*Camellia sinensis*): A Review of Nutritional Composition, Potential Applications, and Omics Research. *Appl. Sci.* 2022, 12, 5874. <https://doi.org/10.3390/app12125874>

Widjiastuti, I., Setyabudi, Haliza, N. N., & Rasyid, H. N. (2020). the Effect of Combination Calcium Hydroxide and Propolis Application To Number of Neutrophil Cells on Wistar Rat Pulp Perforation. *Biochemical and Cellular Archives*, 20(2), 4833–4838.

Zulfa, E., Indah, F., & Murukmihadi, M. (2015). Optimasi CMC-Na Dan Kart Sebagai Pengikat Pada Formula Pasta Gigi Triklosan Secara SLD. Prosiding Seminar Nasional Peluang Herbal Sebagai Alternatif Medicinee , 2012, 156–162.