



## DAFTAR PUSTAKA

- Abdelaleem, N. A., Nassar, A. A., Alhindi, A. K., Jarwan, R. K., Iskandar, R. M., dan Bashihab, S. O., (2022) Dental Staining Associated with Various Types of Coffee. *J. Res. Med. Dent.*. 10(9): 254-259.
- Abdullah, A. O., Muhammed, F. K., Zheng, B., dan Liu, Y., (2017) An Overview of Extrinsic Tooth Bleaching and Its Impact on Oral Restorative Materials. *World J. Dent.* 8(6): 503-510.
- Afrida, F., (2020) Potensi Stroberi Sebagai Pemutih Gigi. *Jurnal Penelitian Perawat Profesional*. 2(4): 537-544.
- Ajayi, D. M., Gbadebo, S. O., dan Adebayo, G. E., (2021) Perception About Tooth Colour and Appearance Among Patients Seen In A Tertiary Hospital South-West Nigeria. *Pan. Afr. Med. J.* 38(38): 1-15.
- Alazmah, A., (2021) Primary Teeth Stains and Discoloration: A Review. *Journal of Child Science*. 11(1): 20-27.
- Algami, A. A., Ungar, P. S., Lippert, F., Martinez-Mier, E. A., Eckert, G. J., Gonzales-Cabezas, C., dan Hara, A. T., (2018) Trend-Analysis of Dental Hard-Tissue Conditions as Functions of Tooth Age. *J. Dent.* 74: 107-112.
- Alkahtani, R., Stone, S., German, M., dan Waterhouse, P., (2020) A Review on Dental Whitening. *J. Dent.* 100(2020): 1-11.
- Alqahtani, M., Q., (2014) Tooth-Bleaching Procedures and Their Controversial Effects: A Literature Review. *Saudi Dent J.* 26(2): 33-46.
- Altinsoy, G.O. dan Ceyhan, D., 2024. Effects of five different toothpastes on remineralization and surface roughness of primary tooth enamel with artificial initial caries. *Appl. Sci.*, 14(16), p.7232.
- Amelia, H., Febriani, M., dan Rachmawati, E., (2022) Potential of Various Natural Bleaching Ingredients on Teeth Discoloration. *J Adv Med Dent Scie Res.* (1): 109-114.



American Academy of Cosmetic Dentistry, (2022) *Cosmetic Dentistry State of the Industry*. Amerika. pp. 9.

Anastasia, D., Octaviani, R. N., dan Yulianti, R., (2019) Perbedaan Kekerasan Permukaan Email Gigi Setelah Perendaman dalam Berbagai Minuman Energi. *Jurnal Ilmiah dan Teknologi Kedokteran Gigi*. 15(2): 47-51.

Anwar, A. I., dan Tjokro, J., (2018) Efek Aplikasi Karbamid Peroksida 10% dan Hidrogen Peroksida 6% pada Prosedur *Home Bleaching* terhadap Kekerasan dan Kekasaran Email. *Makassar Dent J*. 7(2): 68-74.

Ariana, T. R., Wibisono, G., dan Praptiningsih, R. S., (2015) Pengaruh Perasan Buah Lemon terhadap Peningkatan Warna Gigi. *Medali Jurnal*. 2(1): 74-78.

Asmawati, dan Aulia, M., (2016) Pemanfaatan Buah Strawberry sebagai Bahan Pemutih Gigi. *Makasar Dent J*. 5(2): 40-43.

Asmawati, dan Rieuwpassa, I. E., (2018) Comparison of Enamel Hardness After The Application of Dental Bleaching Agents Strawberry Gel and 10% Carbamide Peroxide. *J Dentomaxillofac Sci* . 3(1): 17-19.

Badan Pusat Statistik, (2023) *Profil Statistik Kesehatan*. Volume 7. pp. 31-32.

Baker, B. P., dan Grant, J. A., (2018) Malic Acid Profile Active Ingredient Eligible for Minimum Risk Pesticide Use. *New York State Integrated Pest Management Program*. pp. 1-10.

Balakrishnan, A., Raheema, N., Kaur, N., Chakrabarty, N., & Mumtaz, S. (2021). Clinical Applications and Properties of Calcium Citrate Malate. *Int J Pharm Sci Rev Res*, 69(1).

Benahmed, A. G., Gasmi, A., Menzel, A., Hrynovets, I., Chirumbolo, S., Shanaida, M., Lysiuk, R., Shanaida, Y., Dadar, M., dan Bjørklund, G., (2022) A Review on Natural Teeth Whitening. *J. Oral Biosci*.. 64(1): 49-58.

Blatz, M. B., Chiche, G., Bahat, O., Roblee, R., Coachman, C., dan Heymann, H. O., (2019) Evolution of Aesthetics Dentistry. *J. Dent. Res.* 98(12): 1294-



1304.

Brielmann, A. A., dan Pelli, D. G., (2019) Aesthetics. *Curr. Biol.* 28(16): 859-863.

Burnett, C.L., Bergfeld, W.F., Belsito, D.V., Hill, R.A., Klaassen, C.D., Liebler, D.C., Marks, J.G., Jr, Shank, R.C., Slaga, T.J., Snyder, P.W. & Heldreth, B., 2022. Amended Safety Assessment of Malic Acid and Sodium Malate as Used in Cosmetics. *Int J Toxicol.*, 41(3): 69–76.

Cavalli, V., da Rosa, D. A., da Silva, D. P., Kury, M., Liporoni, P. C. S., Soares, L. E. S., & Martins, A. A. (2018). Effects of experimental bleaching agents on the mineral content of sound and demineralized enamels. *J. Appl. Oral Sci.*, 26

Chuenarrom, C., Benjakul, P., Daosodsai, P., (2009) Effect of Ondentation Loadand Time on Knoop and Vickers Microhardness Test for Enamel and Dentin, *Mater. Res*, 12(4):473 – 476.

Chuong, M. C., Kelley, C. J., Muhammad, Y., Caputo, T. D., Gomes, J. M., Oliveira, D., Peixoto, A. C., Pereira, B. S., Rizg, W., Vazquez, C., Zacaron, T. M., Nguyen, S., & Williams, D. A. (2018). Investigating effect of water of hydration on active pharmaceutical ingredients in a water-sensitive dosage form. *J. Anal. Sci. Technol.*, 9(1).

Crampon, C., Detoisien, T., Itani, L., Nicolas, F., Myotte, E., dan Badens, E., (2023) Novel Crystal Morphology for Sodium Bicarbonate Obtained by Using The Supercritical Anti-Solvent Process. *J. Powder Technol.* 418.

Daniel, W. W., and Cross, C., L., (2019) *Biostatistics A Foundation for Analysis in The Health Sciences*. 11th ed. USA: John Wiley & Sons. pp. 170.

Dewi, D. F., Mozartha, M., dan Bikarindrasari, R., (2019) Pengaruh Aplikasi Gel Ekstrak Apel (*Malus Domestica*) Terhadap Kelarutan Kalsium Gigi (Effect Of Apple Gel Extract Application (*Malus Domestica*) On Dental Calcium Solubility). *Denta: Journal Kedokteran Gigi*. 13:(2).



- Dudea, D., Florea, A., Mihu, C. M., & Nicola, C. (2009). The use of scanning electron microscopy in evaluating the effect of a bleaching agent on the enamel surface. *Rom J Morphol Embryol.*
- Epple, M., Meyer, F., dan Enax, J., (2019) A Critical Review of Modern Concepts for Teeth Whitening. *J. Dent.*. 7(3): 1-13.
- Fitri, A., Limraksasin, P., Yendriwati, Dana, F., dan Siregar, N., 2024. The application of apple (*Malus sylvestris*) extract-based gel: Effects on teeth colour change and hardness. *Dentika: Dental Journal*, 27(1), pp.6–12.
- Gebresas, G. A., Szabó, T., dan Marossy, K., (2023) Effects of Acidity, Number of Hydroxyl Group, and Carbon Chain Length of Carboxylic Acids on Starch Cross-linking. *Current Research in Green and Sustainable Chemistry*. 6.
- Garg, N., dan Garg, A., (2015) *Textbook of Operative Dentistry*. New Delhi: Jaypee Brothers Medical Publishers. pp. 452-453.
- Grand View Research, (2021) Teeth Whitening Market Size, Share & Trends Analysis Report By Product (Whitening Toothpaste, Whitening Gels & Strips, Light Teeth Whitening Device). San Fransisco: By Distribution Channel, By Region, And Segment Forecasts 2022-2030. Diakses pada 20 Maret 2024.
- Hadi, L., Muttaqin, Z., Halim, S., Adhana, A., Sariyanti Pasaribu, E., Alfida, S., dan Maghrifah, Z., (2021) Persepsi Diri Terhadap Estetika Gigi dan Senyum Pada Mahasiswa Kedokteran Gigi. *Prima Journal of Oral and Dental Sciences*. 4(1): 1–8.
- Hara, A.T. dan Turssi, C.P., 2017. Baking soda as an abrasive in toothpastes: Mechanism of action and safety and effectiveness considerations. *J Am Dent Assoc*, 148(11, Supplement), pp.S27–S33
- Haywood, V. B., dan Sword, R. J., (2021) Tray Bleaching Status and Insights. *J. Esthet. Restor. Dent.*, 33(1): 27-38.
- Hutami, S., N., Triaminingsih, S., Indrani, D., J., (2018) Effect of Tooth Immersion



in The Coffee Drink with Different Type of Coffee Roast Temperature on Tooth Discoloration, *J. Phys. Conf. Ser.*, 1073(3):032026.

Irmaleny, I., Hidayat, O. T., Yolanda, Y., dan Tobing, E. L., (2023) Comparative Evaluation of The Increase in Enamel Hardness Post-External Bleaching after Using Casein Phosphopeptide Amorphous Calcium Phosphate Fluoride (CPP-ACPF) and 5% Sodium Fluoride (NaF) Remineralizing Agents. *European Journal of Dentistry*. Epub ahead of print.

Joiner, A. (2007). Review of the effects of peroxide on enamel and dentine properties. *J. Dent.* 35(12): 889-896

Junior, M. T., Rodrigues, C. A., Bernardes, V. L., Araujo, T. S., Nicoli, G. A., dan Derceli, J., (2018) Dental Bleaching and New Possibilities: Literature Review. *Health Sci. J.* 12(6): 1-6.

Jurema, A. J. B., Claudino, E. S., Torres, C. R. G., Bresciani, E., dan Caneppele, T. M. F., (2018) Effect of Over The Counter Whitening Products Associated or Not with 10% Carbamide Peroxide on Color Change and Microhardness: *In Vitro* Study. *J. Contemp. Dent..* 19(4): 359-366.

Kahler, B., dan Rossi-Fedele, G., (2016) A review of tooth discoloration after regenerative endodontic therapy. *J. Endod.* 42(4): 563-569.

Kim, E. J., dan Jin, B. H., (2019) Effects of Titratable Acidity and Organic Acids on Enamel Erosion In Vitro. *J. Dent. Hyg. Sci..* 19(1): 1-8.

Kolumban, A., Moldovan, M., Tig, I. A., Chifor, I., Cuc, S., Bud, M., & Badea, M. E. (2021). An evaluation of the demineralizing effects of various acidic solutions. *Appl. Sci.*, 11(17).

Kwon, S. R., dan Wertz, P. W., (2015) Review of The Mechanism of Tooth Whitening. *J. Esthet. Restor. Dent.* 27(5): 240-257.

Liu, G., Qiu, X., Tan, X., Miao, R., Tian, W., dan Jing, W., (2021) Efficacy of a 1% Malic Acid Spray for Xerostomia Treatment: A Systematic Review and Meta-Analysis. *Oral. Dis.* 29: 862-872.



- Lopes, G. C., Bonissoni, L., Baratieri, L. N., Vieira, L. C. C., dan Monteiro, S. (2002). Effect of Bleaching Agents on the Hardness and Morphology of Enamel. *J. Esthet. Restor. Dent.*, 14(1): 24–30.
- Lumuhu, E. F., Kaseke, M. M., dan Parengkuan, W. G., (2016) Perbedaan Efektivitas jus tomat (*Lucopersicon esculentum Mill.*) dan jus apel (*Mallus sylvestris Mill.*) sebagai bahan alami pemutih gigi. *Jurnal e-GiGi (eG)*. 4(2): 83-89.
- Madeswaran, S., dan Jayachandran, S., (2018) Sodium Bicarbonate: A Review and Its Uses in Dentistry. *Indian J. Dent. Res.*. 29(5): 672–677.
- Magista, M., Nuryanti, A., dan Wahyudi, I. A., (2014) Pengaruh Lama Perendaman dan Jenis Minuman Beralkohol Bir dan Tuak terhadap Kekerasan Email Gigi Manusia (In Vitro). *Majalah Kedokteran Gigi Indonesia*. 21(1): 47-55.
- Mahmoud, M., Abd El Hameed, M., & Hassan, R. (2024). Comparative Study on the Effect of Calcium Carbonate and Covarine on the Enamel Structure of Human Teeth (in Vitro Study). *Egypt. Dent. J.*, 70(2): 1319–1330.
- Malekipour, M., Norouzi, Z., & Shahlaei, S. (2019). Effect of remineralizing agents on tooth color after home bleaching. *Front. Dent.*, 16(3): 158–165.
- Marahaini, N. A., Arumnada, G., Masyithoh, D. A. D., dan Setyawati, A., (2021) The Potential of Red Watermelon Extract as Teeth Whitening Toothpaste. *Proceedings University of Muhammadiyah Yogyakarta Undergraduate Conference*. 1(2): 119-125.
- Marques, C., Sotiles, A. R., Farias, F. O., Oliveira, G., Mitterer-Daltoné, M., and Masson, M. L., 2020. Full physicochemical characterization of malic acid: Emphasis in the potential as food ingredient and application in pectin gels. *Arab J Chem*, 13(12):9118–9129.
- Mona, D., Mariko, R., dan Wardaningsih, D., (2022) Gambaran Tingkat Pengetahuan Perawatan Dental Bleaching pada Petugas Teller dan Consumer Service Bank di Kota Padang. *In Human Care Journal*. 7(3).



- Mount, G. J., Hume, W. R., Ngo, H. C., dan Wolff, M. S., (2016) *Preservation and Restoration of Tooth Structure*. 3<sup>rd</sup> ed. United Kingdom: Wiley & Sons. pp. 2, 4, dan 7.
- Müller-Heupt, L. K. et al., (2023) Effectiveness and Safety of Over the Counter Tooth Whitening Agents Compared to Hydrogen Peroxide In Vitro. *Int. J. Mol. Sci.*. 24(3).
- Mulyawati, E., (2016) Pengaruh Bahan Desensitasi Pasca Bleaching Ekstrakoronal Terhadap Kekuatan Geser Pelekatan Restorasi Resin Komposit. *Majalah Kedokteran Gigi Indonesia*. 2(1): 35-39.
- Nabajyoti, D., dan Hrishikesh T., (2022) Green Approach For The Synthesis Of Benzimidazoles Using Malic Acid As Catalyst. *Res. J. Chem. Environ.* 26(11): 101-109.
- Nair, K. C., C Dathan, P., SB, S., dan K Soman, A., (2022) Hardness of Dental Materials is an Essential Property that Determines the Life of Restorations - An Overview. *Acta Sci. Dent. Sci.* 129-134.
- Niklander, S., Fuentes, F., Sanchez, D., Araya, V., Chiappini, G., Martinez, R., dan Marshall, M., (2018) Impact Of 1% Malic Acid Spray On The Oral Health-Related Quality Of Life Of Patients With Xerostomia. *J. Oral Sci.* 60(2): 278–284.
- Nurhaeni, N., Symond, D., dan Ristiono, B., (2017) Perbandingan Efektivitas Buah Stroberi (*Fragaria x ananassa*) dengan Buah Jeruk Nipis (*Citrus aurantifolia*) sebagai Bahan Alami Pemutih Gigi Secara In Vitro. *Andalas Dent. J.* 5(2): 112-118.
- Okonogi, S., Kaewpinta, A., Khongkhunthian, S., dan Chaijareenont, P., (2021) Development of Controlled-Release Carbamide Peroxide Loaded Nanoemulgel for Tooth Bleaching: In Vitro and Ex Vivo Studies, *J. Pharm.*, 14(2): 1-21.
- Paramita, D., (2015) Pemanfaatan Sodium Bicarbonate Untuk Membersihkan Stain Pada Gigi Perokok Di Puskesmas Karang Pule. *GaneÇ Swara*. 9: 108-111.



- Peixoto, A. C., Vaez, S. C., Pereira, N. A. R., Santana, C. N. S., Soares, K. D. A., Romao, A. C. T. R., Ferreira, L. F., Martins-Filho, P. R. S., Faria- E-Silva, A. L., (2018) High-Concentration Carbamide Peroxide Can Reduce The Sensitivity Caused By In-Office Tooth Bleaching : A Single- Blinded Randomized Controlled Trial. *J. Appl. Oral Sci.* 2018(26): 1-10.
- Pemerintah Indonesia, (2022) *Instruksi Presiden Republik Indonesia Nomor 2 Tahun 2022 Tentang Percepatan Peningkatan Penggunaan Produk Dalam Negeri dan Produk Usaha Mikro, Usaha Kecil, dan Koperasi Dalam Rangka Menyukseskan Gerakan Nasional Bangga Buatan Indonesia pada Pelaksanaan Pengadaan Barang/Jasa Pemerintah*. Jakarta: Kementerian Sekretariat Negara Republik Indonesia.
- Perdigão, J., Perdigão, J., dan Perdigão., (2016) *Tooth whitening*. Minneapolis: Springer. pp. 14, 26, 28, 102.
- Phulari, B. S., (2014) *Textbook of Dental Anatomy, Physiology and Occlusion*. 1<sup>st</sup> ed. New Delhi: Jaypee Brothers Medical Publishers. pp. 8-9.
- Pitts, N. B., Zero, D. T., Marsh, P. D., Ekstrand, K., Weintraub, J. A., Ramos-Gomez, F., Tagami, J., Twetman, S., Tsakos, G., dan Ismail, A., (2017) Dental caries. *Nat. Rev. Dis. Primers.* 3.
- Pratomo, A., H., Triaminingsih, S., Indrani, D., J., (2018) Effect on Tooth Discoloration from The Coffee Drink at Various Smoke Disposal During Coffee Bean Roasting, *J. Phys. Conf. Ser.*, 1073(3):032031.
- Públio, J. D. C., Zeczkowski, M., Burga, J., Ambrosano, G. M. B., Groppo, F. C., Aguiar, F. H. B., Lima, D. A. N. L., (2019) Influence of Different Thickeners in At-Home Tooth Bleaching : A Randomized Clinical Trial Study. *Clin. Oral. Investig.*, 23: 2187-2198.
- Qi, F., Huang, H., Wang, M., Rong, W., dan Wang, J., (2022) Applications of Antioxidants in Dental Procedures. *Antioxidants*. 11(12): 1-17.



- Rajkumar, R. dan Ramya, R., (2017) *Textbook of Oral Anatomy, Physiology, Histology and Tooth Morphology*. 2nd ed. New Delhi: Wolters Kluwer. pp. 183-184.
- Ritter, A. V., Boushell, L. W., dan Walter, R., (2019) *Sturdevant's Art and Science of Operative Dentistry*. 7th ed. China: Elsevier. pp. 1, 2, 6, 10, 11.
- Rodríguez-Martínez, J., Valiente, M., dan Sánchez-Martín, M. J., (2019) Tooth Whitening: From The Established Treatments To Novel Approaches To Prevent Side Effects. *J. Esthet. Restor. Dent.* 31(5): 431-440.
- Rosidah, N. A., Erlita, I., dan Ichrom, M. Y., (2019) Perbandingan Efektifitas Jus Buah Apel (*Malus Syvestris Mill*) Sebagai Pemutih Gigi Alami Eksternal Berdasarkan Varietas. *Dentin Jurnal Kedokteran Gigi*. 1(1): 1-5.
- Salazar, M., D., P., G., Gasga, J., R., (2003) Microhardness and Chemical Composition of Human Tooth, *Materials Research*, 6(3):367 – 373.
- Setyawati, A., dan Nur, S. N. F. F., (2020) The Effectiveness Differences Between Watermelon (*Citrullus lanatus*) Extract 100% and Carbamide Peroxide Gel 10% in Tooth Whitening (*ex vivo*). *Journal of Indonesian Dental Association*. 3(1): 31-36.
- Shetty, S., Hedge, M., N., Bopanna, T., P., (2014) Enamel Remineralization Assessment After Treatment with Three Different Remineralizing Agents Using Surface Microhardness: An In Vitro Study, *J Conserv Dent*, 17(1):49.
- Sneka, S., Sasanka, K., Devi, R. G., dan Ramanadhan, V., (2020) Knowledge and Awareness about Importance of Aesthetics in Dentistry. *Indian J Forensic Med Toxicol*. 14(4): 5140-5150.
- Sulistianingsih, Irmaleny, dan Hidayat, O. T., (2017) The Remineralization Potential of Cocoa Bean Extract (*Theobroma cacao*) to Increase The Enamel Microhardness. *Padjajaran J. Dent.* 29(2): 107-112.
- Sungkar, S., Fitriyani, S., Yumanita, I., (2016) Kekerasan Permukaan Email Gigi Tetap Setelah Paparan Minuman Ringan Asam Jawa, *Journal of Syiah*



*Kuala Dentistry Society*, 1(1):1 – 8.

Volza Growth Global, (2023) Dental products Imports in Indonesia - Import data with price, buyer, supplier, HSN code, Rehoboth Beach. diakses pada 18 Maret 2024.

Walker, B. N., Makinson, O. F., & Peters, M. G. R. B. (1998). Enamel cracks. The role of enamel lamellae in caries initiation. *Aust. Dent. J.*, 43(2), 110–116

Wilson, T., G., Love, B., (1995) Microhardness and Chemical Composition of Human Tooth, *Am. J. Orth. And Dentofacial Orthop*, 107:379 – 381.

Xu, J., Shi, H., Luo, J., Yao, H., Wang, P., Li, Z., and Wei, J., 2022. Advanced materials for enamel remineralization. *Front Bioeng Biotechnol*, 10:1–17.

Yendriwati, Sinaga, R., M., Dennis, D., (2018) Increase of Enamel Hardness Score after Cow Milk Immersion of Demineralized Tooth: An In Vitro Study, *World Journal of Dentistry*, 9(6):439 – 443.

Zanolla, J., Marques, A. B. C., da Costa, D. C., de Souza, A. S., & Coutinho, M. (2017). Influence of tooth bleaching on dental enamel microhardness: a systematic review and meta-analysis. *Aust. Dent. J.*, 62(3): 276-282.

Zhang, Y., R., Du, W., Zhou, X., D., Yu, H., Y., (2014) Review of Research on The Mechanical Properties of The Human Tooth. *Int. J. Oral Sci.*. 6(2): 61-69.

Zero, D. T., (2017) Evidence For Biofilm Acid Neutralization By Baking Soda. *J. Am. Dent. Assoc.* 148(11): S10–S14.

Żukowski, P., Maciejczyk, M., dan Waszkiel, D., (2018) Sources Of Free Radicals And Oxidative Stress In The Oral Cavity. *Arch. Oral. Biol.* 92: 8-17.