DAFTAR PUSTAKA

AAPD Clinical Practice Guideline. (2017). The Reference Manual Of Pediatric Dentistry Chairside Guide: Silver Diamine Fluoride In The Management Of Dental Caries Lesions *. Https://Www.Cdc.Gov/Nchs/

Al-Azar, I. C., Girish, M. S., Devraj, I. M., Shylaja, K. C., & Dhull, K. S. (2024). An In-vitro Evaluation of Tooth Discoloration and Shear Bond Strength of Glass Ionomer Cement Bonded to Tooth Surface Pretreated with Silver Diamine Fluoride and Glutathione Biomolecule. *Nigerian Journal of Clinical Practice*, *27*(11), 1322–1328. https://doi.org/10.4103/njcp.njcp_284_23

Alqahtani, A. M., Alshihri, Y. D., Alhumaid, A. E., Al Nafaie, M. M., & Alnaim, A. A. (2025). Advancements in Minimally Invasive Techniques in Pediatric Dentistry: A Review. *Cureus*, *17*(1), e76929. https://doi.org/10.7759/cureus.76929

Amir, N. A. R., Alfiyani, L., Fatimah, N., & Rahmah, A. H. (2024). Edukasi Kesehatan Gigi dan Mulut dengan Media Leaflet dan Aplikasi Pokemon Smile Di Sd Negeri Mojosongo I. *Jurnal Abdimas Ilmiah Citra Bakti*, *5*(3), 596–604. https://doi.org/10.38048/jailcb.v5i3.3716

Anil, A., Ibraheem, W. I., Meshni, A. A., Preethanath, R., & Anil, S. (2022). *Demineralization and Remineralization Dynamics and Dental Caries*. www.intechopen.com

Antonelli, R., Massei, V., Ferrari, E., Gallo, M., Pertinhez, T. A., Vescovi, P., Pizzi, S., & Meleti, M. (2024). Salivary Diagnosis of Dental Caries: A Systematic Review. In *Current Issues in Molecular Biology* (Vol. 46, Issue 5, pp. 4234– 4250). Multidisciplinary Digital Publishing Institute (MDPI). https://doi.org/10.3390/cimb46050258

Ardiansyah A, Rasyid A, Nugroho A. (2019). Antioxidant Test And Bslt Test On Crude Extract Holothuria Scabra With Various Solvents.

Asghar, M., Omar, R., Yahya, R., Yap, A., Ali, Z., Chua, K., & Azzahari Kuala Lumpur, A. (2021). Research report Fluoride Effect of glutathione incorporation on the biochemical properties of silver diamine fluoride Effect Of Glutathione Incorporation On The Biochemical Properties Of Silver Diamine Fluoride. www.fluorideresearch.online/epub/files/116.pdf]

Avigail, Y. and Yudiati, E.D.P. (2019). Aktivitas antioksidan dan kandungan total fenolik pada ekstrak teripang di perairan Karimunjawa, Jepara, Jurnal Maritim Research, 8(2), pp. 346-354. doi: 10.37874/ms.v8i2.665.

Ayunda, R. (2023). Daya Saing Dan Trend Ekspor Teripang Indonesia. *3*. https://doi.org/10.15408/saj.v3i1.33116

Barani-Sveçla, M., & Buleshkaj, S. (2024). *Etiopathogenesis of Dental Caries*. https://doi.org/DOI:http://dx.doi.org/10.5772/intechopen.114225

Cahyati, M., Anindhita, P. A., Kusuma, N. W., & Azzahra Adam, S. (2018). *Journal of Dentistry* (Vol. 2, Issue 2).

Cameroon. (2013). Handbook of Pediatric Dentistry.

:1). The Use of Silver Diamine Fluoride in Pediatric Dentistry. In *es*. IntechOpen. https://doi.org/10.5772/intechopen.93518

Niederman, R. (2019). Evidence-Based Dentistry Update on Silver ıoride. In *Dental Clinics of North America* (Vol. 63, Issue 1, pp. 45-aunders. https://doi.org/10.1016/j.cden.2018.08.011

290885-identifikasi-jenis-teripang-genus-holoth-0bf89169.

anna, A. El, & Refai, D. A. El. (2024). Effect of Potassium Iodide and on Color Change and Remineralization Potential Induced by

Optimized using trial version www.balesio.com

Silver Diamine Fluoride Application. *Dentistry 3000*, *12*(1). https://doi.org/10.5195/D3000.2024.402

Ferreira, M. J., Rodrigues, T. A., Pedrosa, A. G., Silva, A. R., Vilarinho, B. G., Francisco, T., & Azevedo, J. E. (2023). Glutathione and peroxisome redox homeostasis. In *Redox Biology* (Vol. 67). Elsevier B.V. https://doi.org/10.1016/j.redox.2023.102917

Fujii, J., Ito, J. I., Zhang, X., & Kurahashi, T. (2011). Unveiling the roles of the glutathione redox system in vivo by analyzing genetically modified mice. In *Journal of Clinical Biochemistry and Nutrition* (Vol. 49, Issue 2, pp. 70–78). https://doi.org/10.3164/jcbn.10-138SR

Gao, S. S., Zhao, I. S., Hiraishi, N., Duangthip, D., Mei, M. L., Lo, E. C. M., & Chu, C. H. (2016). Clinical trials of silver diamine fluoride in arresting caries among children: A systematic review. In *JDR Clinical and Translational Research* (Vol. 1, Issue 3, pp. 201–210). SAGE Publications Ltd. https://doi.org/10.1177/2380084416661474

Garcia, E.J., Reis, T.L., Cadorin, O.L.S.M., De Alencar, A., Grande, R.H.M., Loguercio, A.D. and Rosa, W.L.(2021) _*Antioxidant activity by DPPH assay of potential solutions to be applied on bleached teeth*', *European Journal of Dentistry*, **15**(2), pp. 210–216. doi: 10.1055/s-0040-1716801.

Gaucher, C., Boudier, A., Bonetti, J., Clarot, I., Leroy, P., & Parent, M. (2018). Glutathione: Antioxidant properties dedicated to nanotechnologies. In *Antioxidants* (Vol. 7, Issue 5). MDPI. https://doi.org/10.3390/antiox7050062

Gewang, A. A., Mona, D., & Pujiastuty, D. A. (2021). *Hubungan Riwayat Pola Mengonsumsi Susu Botol dengan Tingkat Keparahan Early Childhood Caries (ECC) pada Anak Usia 3-5 tahun di Kecamatan Kuranji Kota Padang*.

Goswami, M., & Singh, A. (2024). Improving esthetics after Silver Diamine Fluoride (SDF) treatment –Need of the Time! *International Journal of Dental Materials*, *06*(01), 06–10. https://doi.org/10.37983/ijdm.2024.6102

Grawish, M. E., Grawish, L. M., Grawish, H. M., Grawish, M. M., Holiel, A. A., Sultan, N., & El-Negoly, S. A. (2022). Demineralized Dentin Matrix for Dental and Alveolar Bone Tissues Regeneration: An Innovative Scope Review. In *Tissue Engineering and Regenerative Medicine* (Vol. 19, Issue 4, pp. 687– 701). Korean Tissue Engineering and Regenerative Medicine Society. https://doi.org/10.1007/s13770-022-00438-4

Gupte, Dr. M., Saraf, Dr. T., Jawdekar, Dr. A., Khare, Dr. S., & Tiku, Dr. A. (2021). A comparative analysis of staining propensity of SDF, SDF with potassium iodide and SDF with glutathione biomolecule on demineralized enamel: An in- vitro study. *International Journal of Applied Dental Sciences*, *7*(3), 297–301. https://doi.org/10.22271/oral.2021.v7.i3e.1314

Hamdy, D., Giraki, M., Abd Elaziz, A., Badran, A., Allam, G., & Ruettermann, S. (2021). Laboratory evaluation of the potential masking of color changes produced by silver diamine fluoride in primary molars. *BMC Oral Health*, *21*(1). https://doi.org/10.1186/s12903-021-01697-8

Handayani, T., Sabariah, V., Hambuako, R. R., Gunung, J., Amban, S., Barat, M.- P., . (2017). Komposisi Spesies Teripang (Holothuroidea) di Perairan ‹apisawar Distrik Meos Manswar Kabupaten Raja Ampat Species n of Sea Cucumber (Holothuroidea) in the Kapisawar Village Meos istrict Raja Ampat Regency. *Jurnal Perikanan Universitas Gadjah*), 45–51.

ɔ., & Putriany Agustin, T. (2020). Overview of the Total Bacteria and Streptococcus mutans in the Saliva of Children with High

Optimized using trial version www.balesio.com

Caries Activity. *Journal of Indonesian Dental Association*, *3*(1), 1. https://doi.org/10.32793/jida.v3i1.403

Hasan, F., Yuliana, L. T., Budi, H. S., Ramasamy, R., Ambiya, Z. I., & Ghaisani, A. M. (2024). Prevalence of dental caries among children in Indonesia: A systematic review and meta-analysis of observational studies. *Heliyon*, *10*(11). https://doi.org/10.1016/j.heliyon.2024.e32102

Horax, S., Katu, H., Rachmatiara Dwi Destiarini, S., Ilmu Kedokteran Gigi Anak, D., Konservasi, D., & Program Studi Magister Ilmu Kedokteran Gigi Fakultas Kedokteran Gigi, M. (2023). Silver diamine fluoride in paediatric dentistry practice Silver diamine fluoride dalam praktik kedokteran gigi anak. *Makassar Dental Journal*, *12*(3), 417–421. https://doi.org/10.35856/mdj.v12i2.792

Hoseinie, S. H., Ataei, M., & Mikaiel, R. (2012). Comparison of Some Rock Hardness Scales Applied in Drillability Studies. *Arabian Journal for Science and Engineering*, *37*(5), 1451–1458. https://doi.org/10.1007/s13369-012-0247-9

Hossain, A., Dave, D., & Shahidi, F. (2020). Northern sea cucumber (Cucumaria frondosa): A potential candidate for functional food, nutraceutical, and pharmaceutical sector. In *Marine Drugs* (Vol. 18, Issue 5). MDPI AG. https://doi.org/10.3390/md18050274

Ismene A Dontas, Apostolos I Tsolakis, Lubna Khaldi, Efrosini Patra, & George P Lyritis. (2010). Malocclusion in Aging Wistar Rats. *J Am Assoc Lab Anim Sci*, *49*(1), 22–26.

Jozefczak, M., Remans, T., Vangronsveld, J., & Cuypers, A. (2012). Glutathione is a key player in metal-induced oxidative stress defenses. In *International Journal of Molecular Sciences* (Vol. 13, Issue 3, pp. 3145–3175). https://doi.org/10.3390/ijms13033145

Kamble AN, Chimata VK, Katge FA, Nanavati KK, Shetty SK. (2021) Comparative evaluation of effect of potassium iodide and glutathione on tooth discoloration after application of 38% silver diamine fluoride in primary molars: An *in vitro* study. Int J Clin Pediatr Dent. 14:752-6.

Karaduran, B., Çelik, S., Gök, M. K., & Koruyucu, M. (2024). Evaluation of staining potential of Silver Diamine Fluoride, Potassium Iodide, Nanosilver Fluoride: an in vitro study. *BMC Oral Health*, *24*(1). https://doi.org/10.1186/s12903-024-04370-y

Karuna, Y. M., Natarajan, S., Rao, A., Nayak, A. P., & Thimmaiah, C. (2023). Efficacy of Glutathione Biomolecule in Reducing the Tooth Discoloration Associated with Silver Diamine Fluoride: A Split-mouth In vivo Study. *Contemporary Clinical Dentistry*, *14*(3), 239–244. https://doi.org/10.4103/ccd.ccd_100_23

Kaur, S., Bhola, M., Bajaj, N. and Brar, G.S. (2023). Comparative Evaluation of the Remineralizing Potential of Silver Diamine Fluoride, Casein Phosphopeptide-amorphous Calcium Phosphate, and Fluoride Varnish on the Enamel Surface of Primary and Permanent Teeth: An In Vitro Study, *International Journal of Clinical Pediatric Dentistry*, 16(Suppl 1), pp. S91–S96. doi: 10.5005/jp- journals-

). Kemenkes. Pedoman Nasional Pelayanan Klinis Tata Laksana

M., Tamura, Y., Hiraishi, N., Jamleh, A., Nikaido, T., & Tagami, J. e effect of reduced glutathione on the toxicity of silver diamine rat pulpal cells. *Journal of Applied Oral Science*, *29*. rg/10.1590/1678-7757-2020-0859

Optimized using trial version www.balesio.com

Kumayasari. (2017). Comparation Study Of Hardness Testing By Using Rockwell Superficial VS Microvickers (Vol. 2, Issue 2).

Li W, L. M. Q. J. (2021). Nano-Drug Design Based on the Physiological Properties of Glutathione. *Molecules*, *26*, 1–19. https://doi.org/doi.org/10.3390

Lobine, D., Rengasamy, K. R. R., & Mahomoodally, M. F. (2022). Functional foods and bioactive ingredients harnessed from the ocean: current status and future perspectives. In *Critical Reviews in Food Science and Nutrition* (Vol. 62, Issue 21, pp. 5794–5823). Taylor and Francis Ltd. https://doi.org/10.1080/10408398.2021.1893643

Mansur, E. K. M. (2020). Primary Prevention of Dental Caries: An Overview. *International Journal of Clinical Preventive Dentistry*, *16*(4), 143–148. https://doi.org/10.15236/ijcpd.2020.16.4.143

Manuputty, G. D., Pattinasarany, M. M., & Limmon, G. V. (2020). Pengenalan Jenis Teripang Ekonomis Penting Bagi Masyarakat Desa Suli Kabupaten Maluku Tengah. *Jurnal Pengabdian Masyarakat Multidisiplin*, *3*(3), 194–200. https://doi.org/10.36341/jpm.v3i3.1287

Massoud, S. F., Moussa, S. M., Hanafy, S. A., & El Backly, R. M. (2017). Evaluation Of The Microhardness Of Root Canal Dentin After Different Irrigation Protocols (In Vitro Study). *Alexandria Dental Journal*, *42*(1), 73–79. https://doi.org/10.21608/adjalexu.2017.57860

Molyneux P. (2004). The Use of the Stable Free Radical Diphenylpicryl-hydrazyl (DPPH) for Estimating Antioxidant Activity. *Songklanakarin J Sci Technol*, 26(2):211-219.

Mouafy, N., Ezz El Din, S., Shash, R., & Wassef, N. (2023). Microhardness and Bacterial Inhibitory Effect of Riva Star versus Silver Diamine Fluoride on Carious Dentin of Primary Teeth (In-vitro study). *Advanced Dental Journal*, *5*(2), 442–448. https://doi.org/10.21608/adjc.2023.196751.1271

Mubaraki, H., Ingle, N. A., Baseer, M. A., AlMugeiren, O. M., Mubaraki, S., Cicciù, M., & Minervini, G. (2023). Effect of Silver Diamine Fluoride on Bacterial Biofilms–A Review including In Vitro and In Vivo Studies. In *Biomedicines* (Vol. 11, Issue 6). MDPI. https://doi.org/10.3390/biomedicines11061641

Mulawarmanti. (2019). Seminar Nasional Kelautan XIV " Implementasi Hasil Riset Sumber Biota Laut Sebagai Alternative Bahan Obat (Pemanfaatan Teripang Emas Sebagai Terapi Ajuvan Di Kedokteran Gigi*)*.

Naaman, R., El-Housseiny, A. A., & Alamoudi, N. (2017). The use of pit and fissure sealants-a literature review. In *Dentistry Journal* (Vol. 5, Issue 4). MDPI AG. https://doi.org/10.3390/dj5040034

Nigel B Pitts, Domenick T Zero, & Phil D Marsh. (2017). Dental caries. *Nat Rev Dis Primers*.

Nobsathian S, Tuchinda P, Sobhon P, et al. (2017). An antioxidant activity of the whole body of Holothuria scabra. *Chem Biol Technol Agric*. 4(1):17-21. doi:10.1186/s40538-017-0087-7

Olaru, M., Sachelarie, L., & Calin, G. (2021). Hard dental tissues regeneration–
s and challenges. In *Materials* (Vol. 14, Issue 10). MDPI AG.
rg/10.3390/ma14102558
g, Y. H., Jain, S., & Zandona, A. F. (2021). In-vitro Assessment of
ine Fluoride Effect on Natural Carious Dentin Microhardness.
Dental Medicine, *2*. https://doi.org/10.3389/fdmed.2021.811308
, A. S., & Kusriani, R. H. (2020). Jurnal Ilmiah Farmako Bahari
And Antibacterial Activities From Meat And Intestines Sea
Extract *(Stichopus Variegatus)*. www.journal.uniga.ac.id

Optimized using
trial version
www.balesio.com

Samani, M., Alimirzaei, S., Kaviani, A., & Zakavi, F. (2024). Evaluating the Effect of Silver Diamine Fluoride, with or without Glutathione and Potassium Iodide, on Fluoride Release, Dentin Microhardness and Surface Properties of Dentin. *Maedica - A Journal of Clinical Medicine*, *19*(1). https://doi.org/10.26574/maedica.2024.19.1.48

Samarpreet Kaur, Meenu Bhola, Nitika Bajaj, & Gurlal S Brar. (2023). Comparative Evaluation of the Remineralizing Potential of Silver Diamine Fluoride, Casein Phosphopeptide-amorphous Calcium Phosphate, and Fluoride Varnish on the Enamel Surface of Primary and Permanent Teeth: An In Vitro Study. *Int J Clin Pediatr Dent*, *16*, S91–S96.

Saputri Hisata, L. (2018). Gambaran Karies Gigi Molar Pertama Permanen Pada Siswa-Siswi Sekolah Dasar Negeri 13 Palembang Tahun 2018. *Jurnal Kesehatan Poltekkes Palembang*, *13*(2).

Sayed, M., Matsui, N., Hiraishi, N., Nikaido, T., Burrow, M. F., & Tagami, J. (2018). Effect of glutathione bio-molecule on tooth discoloration associated with silver diammine fluoride. *International Journal of Molecular Sciences*, *19*(5). https://doi.org/10.3390/ijms19051322

Saylan, B. C. U., Yılmaz, C., Karakullukcu, S., & Yılmaz, O. (2025). Relationship between growth and development of rat pups and their head and teeth development. *Journal of the Hellenic Veterinary Medical Society*, *76*(2), 9349–9362. https://doi.org/10.12681/jhvms.39384

Schwendicke, F., Splieth, C., Breschi, L., Banerjee, A., Fontana, M., Paris, S., Burrow, M. F., Crombie, F., Page, L. F., Gatón-Hernández, P., Giacaman, R., Gugnani, N., Hickel, R., Jordan, R. A., Leal, S., Lo, E., Tassery, H., Thomson, W. M., & Manton, D. J. (2019). When to intervene in the caries process? An expert Delphi consensus statement. *Clinical Oral Investigations*, *23*(10), 3691–3703. https://doi.org/10.1007/s00784-019-03058-w

Scirè, A., Cianfruglia, L., Minnelli, C., Bartolini, D., Torquato, P., Principato, G., Galli, F., & Armeni, T. (2019). Glutathione compartmentalization and its role in glutathionylation and other regulatory processes of cellular pathways. In *BioFactors* (Vol. 45, Issue 2, pp. 152–168). Blackwell Publishing Inc. https://doi.org/10.1002/biof.1476

Seifo, N., Robertson, M., MacLean, J., Blain, K., Grosse, S., Milne, R., Seeballuck, C., & Innes, N. (2020). The use of silver diamine fluoride (SDF) in dental practice. *British Dental Journal*, *228*(2), 75–81. https://doi.org/10.1038/s41415-020-1203-9

Setiyowati. (2016). *48274-ID-statistik-sumber-daya-laut-dan-pesisir-2016*.

Siahaan, E. A., Pangestuti, R., Munandar, H., & Kim, S. K. (2017). Cosmeceuticals properties of sea cucumbers: Prospects and trends. In *Cosmetics* (Vol. 4, Issue 3). MDPI AG. https://doi.org/10.3390/cosmetics4030026

Spatafora, G., Li, Y., He, X., Cowan, A., & Tanner, A. C. R. (2024). The Evolving Microbiome of Dental Caries. In *Microorganisms* (Vol. 12, Issue 1). Multidisciplinary Digital Publishing Institute (MDPI). https://doi.org/10.3390/microorganisms12010121

nna PJ, Tinikul R, Jattujan P, Poomtong T, Sobhon P. . *itional components of the sea cucumber Holothuria scabra.* Foods in Health and Disease. 7(3):303. DOI:10.31989/ffhd.v7i3.303.

Beall, C. J., Berger, M. T., Goodell, C. P., Koo, S., Candamo, F., R., Kang, M., Ho, S. P., Ng, M. W., Hashmi, S. B., Leys, E. J., & L. (2022). Silver diamine fluoride alters microbial communities in

Optimized using trial version www.balesio.com

subsurface dentin. *JADA Foundational Science*, *1*, 100004. https://doi.org/10.1016/j.jfscie.2021.100004

Sunita P. Ho, Bo Yu, Wenbing Yun, Grayson W. Marshall, & Mark I. Ryder. (2009). Structure, chemical composition and mechanical properties of human and rat cementum and its interface with root dentin. *Acta Biomaterialia*, *5*(2), 707- 718.

Tangko. (2009). Present Status Produksi Dan Budidaya Teripang Di Sulawesi Selatan.

Tresna, S. T., Anggriani, N., Napitupulu, H., & Ahmad, W. M. A. W. (2024). Deterministic Modeling of the Issue of Dental Caries and Oral Bacterial Growth: A Brief Review. In *Mathematics* (Vol. 12, Issue 14). Multidisciplinary Digital Publishing Institute (MDPI). https://doi.org/10.3390/math12142218

Uzun Saylan BC, Yılmaz C, Karakullukcu S, Yılmaz O. (2025) Relationship between growth and development of rat pups and their head and teeth development. J Hellenic Vet Med Soc. 76(2):9349-9362. doi:10.12681/jhvms.39384.

Utamaningyas. (2022). 30295-99709-1-SM. *Journal of Syiah Kuala Dentistry Society*, 150–158.

Vishwanathaiah. (2024). Effectiveness of silver diamine fluoride (SDF) in arresting coronal dental caries in children and adolescents: a systematic review. *Journal of Clinical Pediatric Dentistry*, *48*(5), 27. https://doi.org/10.22514/jocpd.2024.101

Vullien, A. (2024). Evolutionary conservation and roles of ROS signalling in the initiation of regeneration. Insight from the cnidarian Nematostella vectensis and the annelid Platynereis dumerilii. https://theses.hal.science/tel- 04836938v1

Widyawati. (2013). Pengaruh Berbagai Konsentrasi Larutan Irigasi Sodium Hipoklorit Terhadap Kekerasan Mikdro dentin pada Tiga Segmen Saluran Akar yang Berbeda. *J Ked Gi*, *4*, 81-87.

Wowor S, V. N., Wahyuni, R., & Y Rokot, G. F. (2024). Hubungan Konsumsi Makanan Kariogenik dan Kejadian Karies Gigi pada Anak Usia Sekolah di Desa Wori Relationship between Cariogenic Food Consumption and Dental Caries Incidence among School-Age Children in Wori Village. 12(2), 227–232. https://doi.org/10.35790/eg.v12i2

Wulansari, D. (2023). *Formulation and Antioxidant Activity of Sheet mask with Water Extract of Sandfish (Holothuria scabra)*. https://doi.org/10.35800/mthp.11.1.2023.43574

Xu, H., Ma, X., Wang, J., Chen, X., Zou, Q., & Ban, J. (2024). Exploring the state and influential factors of dental caries in preschool children aged 3-6 years in Xingtai City. *BMC Oral Health*, *24*(1). https://doi.org/10.1186/s12903-024- 04663-2

Zahara, E., Niakurniawati, N., & Mufizarni, M. (2023). Degree Of Acidity (Ph) Of Saliva With Dental Caries At Sdn Kayee Leue, Aceh Besar District. *JDHT Journal of Dental Hygiene and Therapy*, *4*(1), 13–17. https://doi.org/10.36082/jdht.v4i1.925

Zhao, I. S., Mei, M. L., Burrow, M. F., Lo, E. C. M., & Chu, C. H. (2017). Effect of silver diamine fluoride and potassium iodide treatment on secondary caries prevention and tooth discolouration in cervical glass ionomer cement restoration. *International Journal of Molecular Sciences*, *18*(2). rg/10.3390/ijms18020340

, Zhang, S., Li, J., Li, X., Ying, Y., Yuan, J., Chen, K., Deng, S., & 2023). Association of polymicrobial interactions with dental caries

Optimized using
trial version
www.balesio.com

development and prevention. In *Frontiers in Microbiology* (Vol. 14). Frontiers Media SA. https://doi.org/10.3389/fmicb.2023.1162380