



DAFTAR PUSTAKA

- Akkuc, S., Duruk, G., Keles, A., 2023, Remineralization Efect of Three Different Agents on Initial Caries and Erosive Lesions: A Micro-Computed Tomography and Scanning Electron Microscopy Analysis, *BMC Oral Health*, 23:106.
- Anastasia, D., Octaviani, R., N., 2019, Yulianti, R., Perbedaan Kekerasan Permukaan Email Gigi Setelah Perendaman Dalam Berbagai Minuman Berenergi, *Jurnal Ilmiah dan Teknologi Kedokteran Gigi*, 15(2): 47-51.
- Arokiasamy, P., Abdullah, M. M. A. B., Rahim, S. Z. A. R., Luhar, S., Sandu, A. V., Jamil, N. H., dan Nabialek, M., 2022, Synthesis Methods of Hydroxyapatite from Natural Sources: A Review, *Ceramics International*, 48:14959-14979.
- Ayad, S., E., M., K., Samih, H., M., Ramadan, A., F., 2023, Effect of Two Remineralizing Agents on Shear Bond Strength of Two Orthodontic Composites (An In-Vitro Study), *Dental Science Updates*, 4(1): 131-139.
- Badan Pusat Statistik, 2022. *Produksi Daging Ayam Ras Pedaging menurut Provinsi (Ton)*, [online] Tersedia di: <www.bps.go.id/indicator/24/488/1/produksi-daging-ayam-ras-pedaging-menurut-provinsi> [Diakses pada tanggal 2 Februari 2021].
- Bajaj, M., Poornima, P., Praveen, S., Nagaveni, N., B., Roopa, K., B., Neena, I., E., 2016, Comparison of CPP-ACP, Tri-Calcium Phosphate and Hydroxyapatite on Remineralization of Artificial Caries like Lesions on Primary Enamel -An in vitro Study, *The Journal of Clinical Pediatric Dentistry*, 40(5):404-9.
- Banerjee, A., Boyes, V., Festy, F., Lynch, R. J. M., Watson, T. F., Zhang, J., 2018, In-Vitro Subsurface Remineralization of Artificial Enamel White Spot Lesions Pre-Treated With Chitosan, *Dental Materials*, 34(8) 1154-1167.
- Banerjee, A., Watson, T., F., 2015, *Pickard's Guide to Minimally Invasive Operative Dentistry 10th ed*, Oxford University Press, United States of America, Hal. 23.
- Bee, S.L. dan Hamid, Z.A., 2019, Characterization of chicken bone waste-derived hydroxyapatite and its functionality on chitosan membrane for guided bone regeneration, *Composites Part B: Engineering*, 163:562-573.
- Bee, S.L., Mariatti, M., Ahmad, N., Yahaya, B.H., Hamid, Z.A.A., 2019, Effect of the Calcination Temperature on the Properties of Natural Hydroxyapatite Derived from Chicken Bone Wastes, *Materials Today: Proceedings*, 16(4):1876-1885.
- Benson, P., E., Parkin, N., Dyer, F., Millett, D., T., Germain, P., 2019, Fluorides for Preventing Early Tooth Decay (demineralised lesions) During Fixed Brace Treatment. *Cochrane Database of Systematic Reviews*, 2019(11).
- Bordea, I., R., Candrea, S., Alexescu, G., T., Bran, S., Băciuț, M., Băciuț, G., Lucaci, O., Mihail, C., Dinu, C., M., Todea, D., A., 2020, Nano-Hydroxyapatite use in Dentistry: a Systematic Review, *Drug Metabolism Reviews*, 52(2): 319-332.



- Chang, J., Joiner, W., Li, X., Wang, J., 2014, The Remineralisation of Enamel: A Review of The Literature, *Journal of Dentistry*, 42(1) 12-20.
- Chapman, A. dan Felron, S.H., 2021, Basic guide to Oral health education And promotion, 3rd ed., John Wiley & Sons, UK, Hal. 57, 61.
- Dahlan, K., 2013, Potensi Kerang Rangan Sebagai Sumber Kalsium dalam Sintesis Biomaterial Subtitusi Tulang, *Prosiding Semirata FMIPA Unila*, 1(1) 147-151.
- Damanik, N., 2021, *Perbedaan Efek Remineralisasi antara Pasta Hidroksiapatit Cangkang Telur Bebek (Anas Platyrhynchos) dengan Sodium Fluoride terhadap Kekerasan Permukaan Email (In-Vitro)*, Universitas Sumatera Utara, Skripsi.
- Daniel, W.W., Cross, C.L., 2013, *Biostatistics a Foundation for Analysis in the Health Sciences*, 10th ed., John Wiley & Sons, USA, pp. 189-190.
- Desneli, D. dan Muryani, A., 2019, Penatalaksanaan white spot lesion setelah perawatan ortodontik dengan teknik resin infiltration Management of white spot lesion after orthodontic treatment with resin infiltration technique, *Jurnal Kedokteran Gigi Universitas Padjadjaran*, 31(1):15-21.
- Eissa, N.M., Elshourbagy, E.M., Gomaa, N.E., 2022, Effect of Sodium Fluoride Plus Tricalcium Phosphate with and without CO₂ Laser on Remineralization of White Spot Lesions, *Heliyon*, 8(10):e10752.
- Fejerskov, O., Nyvad, B., Kidd, E., 2015, *Dental Caries The Disease and Its Clinical Management*, 3rd ed., John Wiley & Sons, USA, hal. 66, 77, 157.
- Goldberg, M., 2016, The Early Enamel Carious Lesion, *Understanding Dental Caries*, 1(4) 29-39.
- Hall, J., E., Hall, M., E., 2021, Guyton and Hall Textbook of Medical Physiology 14th ed, Elsevier, Philadelphia, Hal. 798, 1006, 1007.
- Heymann, H.O., Swift, E.J., Ritter, A., V., 2013, *Studervant's Art and Science of Operative Dentistry* 6th ed, Elsevier, USA, Hal. 2, 41, 56.
- Kattimani V., S, Kondaka S., Lingamaneni K., P., 2016, Hydroxyapatite past, present, and future in bone regeneration, *Bone and Tissue Regeneration Insights Journal*, 11(7): 612-179.
- Kementerian Kesehatan Republik Indonesia, 2019, Laporan Nasional Riskesdas 2018, Hal. 204, 206, 218.
- Kermanshah, H., Ahmadi, E., Radeie, N., Rafizadeh, S., Omrani, L., R., 2022, Vickers Micro-Hardness Study of The Effect of Fluoride Mouthwash on Two Types of CAD/CAM Ceramic Materials Erosion, *BMC Oral Health*, 22:101.
- Krishnan, V., Bhatia, A., Varma, H., 2016, Development, characterization and comparison of two strontium doped nano hydroxyapatite molecules for enamel repair/regeneration, *Dental Materials*, 32: 646-659.
- Liwang, B., Irnawati, dan Budipramana, E., 2014, Kekerasan mikro enamel gigi permanen muda setelah aplikasi bahan pemutih gigi dan pasta remineralisasi, *Dental Journal (Majalah Kedokteran Gigi)*, 47(4): 206-210.
- Mäntele, W., Deniz, E., 2017, UV-VIS Absorption Spectroscopy: Lambert-Beer Reloaded, *Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy*, 173: 965-968.



- Mohamed, A. M., Wong, K. H., Lee, W. J., Marizan Nor, M., Mohd Hussaini, H., & Rosli, T. I., 2018, In vitro study of white spot lesion: Maxilla and mandibular teeth. *Saudi Dental Journal*, 30(2), 142–150.
- Mun, P., K., Sukumaran, P., Yahya, N., A., Farook, M., S., 2022, Intervention of White Spot Lesions. A Contemporary Review of 20 years, *Ann Dent UM*, 29: 60-70.
- Paula, A., Fernandes, A., Coelho, A., Marto, C., Ferreira, M., Caramelo, F., do Vale, F., Carrilho ,E., 2017, Therapies for White Spot Lesions—A Systematic Review, *Journal of Evidence-Based Dental Practice*, 17(1): 23-38.
- Philip, N., 2019, State of the Art Enamel Remineralization Systems: The Next Frontier in Caries Management. *Caries Research*, 53(3), 284–295.
- Rachmawati, D., Kurniawati, C., Hakim, L., Roeswahjuni, N., 2019, Efek Remineralisasi Casein Phospopeptide-Amorphous Calcium Phosphate (CPP-ACP) Terhadap Enamel Gigi Sulung, *E-Prodenta Journal of Dentistry*, 3(2): 257-262.
- Ranamangala, J.A., Laily, D.I., Annisa, Y.N. dan Cahyaningrum, S.E., 2020, Potensi Hidroksiapatit dari Tulang Ayam Sebagai Pelapis Implan Gigi, *Jurnal Kimia Riset*, 5(2):141-150.
- Rohmawati, N., 2016, Dental Caries and Nutritional Status of Children: An evidence-based review, *Stomatognathic Jurnal Kedokteran Gigi*, 13(1): 32-36.
- Roopa, K.B., Pathak, S., Poornima, P. dan Neena, I.E., 2015, White spot lesions: A literature review, *J Pediatr Dent*, 3(1):1-7.
- Scanes, C.G., Christensen, K.D., 2020, *Poultry Sciences*, 5th ed., Waveland Press, Illinois, Hal. 50, 338.
- Szczęś, A., Holysz, L., Chibowski, E., 2017, Synthesis of Hydroxyapatite for Biomedical Applications, *Advances in Colloid and Interface Science*, 249: 321-330.
- Shahbandeh, M., 2023, Global Numbers of Chickens 1990-2021, <https://www.statista.com/statistics/263962/number-of-chickens-worldwide-since-1990/>, [Diakses pada tanggal 1 Februari 2023].
- Setyawati, A. dan Silviana, F., 2019, Effect of Domestic Chicken Eggshell Paste Against Dental Email, *DENTA*, 13(2):24-30.
- Somani, R., Jaidka, S., Singh, D., J., & Arora, V., 2014, Remineralizing potential of various agents on dental erosion. *Journal of Oral Biology and Craniofacial Research*, 4(2), 104–108.
- Tortora, G., J., Derrickson, B., 2017, *Principles of Anatomy and Physiology* 15th ed, John Wiley & Sons, Inc, USA, Hal. 908, 909.
- Ulfyana, D., Anugroho, F., Sumarlan, S. H., & Wibisono, Y., 2018, Bioceramics synthesis of hydroxyapatite from red snapper fish scales biowaste using wet chemical precipitation route. *IOP Conference Series: Earth and Environmental Science*, 131: 012038.
- Waddell, G., 2017, *Poultry Science*, Library Press, New York, Hal. 110.
- Widyaningtyas, V., Rahayu, Y.C., dan Barid, I., 2014, Analisis Peningkatan Remineralisasi Enamel Gigi setelah Direndam dalam Susu Kedelai Murni



UNIVERSITAS
GADJAH MADA

Pengaruh Pasta Hidroksiapatit Ekstrak Tulang Ayam (*Gallus gallus domesticus*) terhadap Kepadatan dan Kekerasan Enamel Gigi dengan Lesi White Spot (Kajian In Vitro)
ALEXANDER BINTANG TIMUR LISTYO WARDONO, Prof. drg. Tetiana Haniastuti, M.Kes., Ph.D.; drg. Heribertus D...

(*Glycine max (L.) Merill*) Menggunakan Scanning Electron Microscope (SEM), *Jurnal Pustaka Kesehatan*, 2(2): 258-262.

Wong, K.O., Enax, J., Meyer, F., Ganss, B., 2022, The Use of Hydroxyapatite Toothpaste to Prevent Dental Caries, *Odontology*, 110: 223-230.

Xuedong, Z., 2016, *Dental Caries: Principles and Management*, Springer, London, Hal. 72.

Zhu, H., Song, W., Deng, Y., 2018, Hydroxyapatite extracted by animal bone image analysis in ionic liquid choline chloride-glycerol, *EURASIP Journal on Image and Video Processing*, 2018: 56–65.

Zuev, D.M., Golubchikov, D.O., Evdokimov, P.V. dan Putlyaev, V.I., 2022, Synthesis of Amorphous Calcium Phosphate Powders for Production of Bioceramics and Composites by 3D Printing, *Russian Journal of Inorganic Chemistry*, 67(7):940-951.