

DAFTAR PUSTAKA

- Aledya, S. P., Fadli, A., Zultinjar. 2019. Sintesis Serbuk Hidroksiapatit Menggunakan Metode Mechanochemical. *Jom FTEKNIK*. 6(1): 1-4.
- Amanda, G. H., Elline, E., & Fibryanto, E. 2022. Synthesis And Physical Characterization Of Nano-Hydroxyapatite-Collagen-Epigallocatechin-3-Gallate Hydrogel Composite. *Indonesian Dental Association Journal Of Indonesian Dental Association*. 6183. pp. 7–13.
- Azis, M. Y., Putri, T. R., Aprilia, F. R., Ayuliasari, Y., Hartini, O. A. D., & Putra, M. R. 2019. Eksplorasi Kadar Kalsium (Ca) Dalam Limbah Cangkang Kulit Telur Bebek Dan Burung Puyuh Menggunakan Metode Titrasi Dan Aas. *Al-Kimiya*. 5(2): 74–77.
- Babuska, V., Kulda, V., Chocholata, P. 2019. Fabrication of Scaffolds for Bone-Tissue Regeneration. *Journal Materials*. 12(568): 8-9.
- Backyard Poultry. 2022. Quail Egg Benefits: Nature's Perfect Finger Food. Available At: <https://backyardpoultry.iamcountryside.com/eggs-meat/quail-egg-benefits-perfect-finger-food/>. Diakses 19 September 2023.
- Badan Pusat Statistik. 2022. *Produksi Daging Unggas Menurut Kabupaten/Kota Dan Jenis Unggas Di Provinsi Jawa Tengah (Ton), 2020 Dan 2021*. Badan Pusat Statistik Provinsi Jawa Tengah.
- Bagjana, R., 2022. Pengaruh Penambahan Nanoselulosa Sekam Padi (*Oryza Sativa* L.) Terhadap Kekerasan Glass Ionomer Cement Tipe Ii. *Skripsi*. Program Studi Kedokteran Gigi. Fakultas Kedokteran. Universitas Jenderal Soedirman. Purwokerto. (Tidak Dipublikasikan).
- Balhuc, S., Campian, R., Labunet, A., Negucioiu, M., Buduru, S., Kui, A. 2021. Dental Applications Of Systems Based On Hydroxyapatite Nanoparticles—An Evidence-Based Update. *Journal Crystals*. 11(674): 1.
- Baranwal, J., Barse, B., Fais, A., Delogu, G. L., & Kumar, A. 2022. Biopolymer: A Sustainable Material For Food And Medical Applications. *Polymers*. 14(5): 1–22.
- Cahyaningrum, S. E., Afifah, F. 2020. Sintesis Dan Karakterisasi Hidroksiapatit Dari Tulang Sapi (*Bos Taurus*) Menggunakan Teknik Kalsinasi. *Unesa Journal Of Chemistry*. 9(3): 194-195.

- Chen, L., Al-Bayatee, S., Khurshid, Z., Shavandi, A., Brunton, P., & Ratnayake, J. 2021. Hydroxyapatite In Oral Care Products—A Review. *Materials*. 14(17).
- Chen, X., Yao, W., Gao, F., Zheng, D., Wang, Q., Cao, J., Tan, H., & Zhang, Y. 2021. Physicochemical Properties Comparative Analysis Of Corn Starch And Cassava Starch, And Comparative Analysis As Adhesive. *Journal Of Renewable Materials*. 9(5): 789–992.
- Chiu, L. L. Y., Chu, Z., & Radisic, M. 2011. *Tissue Engineering. Comprehensive Nanoscience And Technology*. pp. 1–5, 175–211.
- C Y Beh, E M Cheng, N F Mohd Nasir, M S Abdul Majid, M R Mohd Roslan, K Y You, S F Khor And M J M Ridzuan. 2020. Fabrication And Characterization Of Three-Dimensional Porous Cornstarch/N-Hap Biocomposite Scaffold. *Bull Mater Sci*. 43(249).
- Duncan, H. F., Kobayashi, Y., Kearney, M., Shimizu, E. 2023. Epigenetic Therapeutics In Dental Pulp Treatment: Hopes, Challenges And Concerns For The Development Of Next-Generation Biomaterials. *Bioactive Materials*. 27: 579.
- Elline, E., Ismiyatin, K., Indah Budhy, T., & Bhardwaj, A. 2022. The Potential Of Eggshell Hydroxyapatite, Collagen, And Egcg (Hap-Col-Egcg) Scaffold As A Pulp Regeneration Material. *Saudi Dental Journal*. 34(8): 715–722.
- Elline, Ismiyatin, K., & Budhy, T. I. 2022. Hydrogel Scaffold In Pulp Dentin Complex Regeneration. *Journal Of International Dental And Medical Research*. 15(47).
- Gobi, R., Ravichandiran, P., Babu, R. S., & Yoo, D. J. 2021. *Biopolymer And Synthetic Polymer-Based Nanocomposites In Wound Dressing Applications: A Review*. *Polymers*. 13(12).
- Hidayat, T., Triyono, J., Masykur, A. 2018. Karakteristisasi Dan Profil Biodegradasi Material Biokomposit Bovine Hidroksiapatit (Bha)/Ampas Kopi/Shellac. *Mekanika*. 17(1): 34,36.
- Kementerian Kesehatan RI. 2018. *Infodatin: Pusat Data Dan Informasi Kementerian Kesehatan RI*. Jakarta: Kementerian Kesehatan.
- Khandelwal H, Prakash S. 2014. Synthesis And Characterization Of Hydroxyapatite Powder By Eggshell. *Jmmce*. 4(2):119–26.

- Koski, C. And Bose, S. 2019. Effects Of Amylose Content On The Mechanical Properties Of Starch-Hydroxyapatite 3d Printed Bone Scaffolds. *Additive Manufacturing*. 30. 100817.
- Kurniawan, A. M., Hartini, S., Cahyanti, M. N. 2019. The Effect Of Phosphate Concentration On Ca/P Ratio Of Hydroxyapatite From Ceramic Industrial Gypsum Waste. *Eksakta: Jurnal Ilmu-Ilmu Mipa*. 19(1): 47-49.
- Mantha, S., Pillai, S., Khayambashi, P., Upadhyay, A., & Zhang, Y. 2019. *Smart Hydrogels In Tissue Engineering And Materials*. 12(3323): 33.
- Milla L. E., Indrani, J. 2018. Hidroksiapatit, Alginat, Dan Kitosan Sebagai Bahan Scaffold Tulang: Studi Spektroskopi. *Dentika Dental Journal*. 19(2): 94.
- Mozartha, M. 2015. Hidroksiapatit Dan Aplikasinya Di Bidang Kedokteran Gigi. *Cakradonya Dent Journal*. 7(2): 835–841.
- Mubarok, M. F. 2021. Kualifikasi Kinerja Spektrofotometer Uv/Vis. Available At: <https://Farmasiindustri.Com/Cpob/Kualifikasi-Kinerja-Spektrofotometer-Uvvis.Html>. Diakses 24 September 2023.
- Naini, A., Rachmawati, D. 2023. Physical Characterization And Analysis Of Tissue Inflammatory Response Of The Combination Of Hydroxyapatite Gypsum Puger And Tapioca Starch As A Scaffold Material. *Dental Journal*. 56(1): 53-57.
- Nandiyanto, A. B. D., Oktiani, R., & Ragadhita, R. 2019. How To Read And Interpret Ftir Spectroscopy Of Organic Material. *Indonesian Journal Of Science And Technology*. 4(1): 97–118.
- Nawaz, H., Waheed, R., Nawaz, M., & Shahwar, D. 2020. Physical And Chemical Modifications In Starch Structure And Reactivity. In M. Emeje (Ed.), *Chemical Properties Of Starch*. *Intechopen*.
- Nisah, K. 2018. Study Pengaruh Kandungan Amilosa Dan Amilopektin Umbi-Umbian Terhadap Karakteristik Fisik Plastik Biodegradable Dengan Plastizicer Gliserol. *Biotik: Jurnal Ilmiah Biologi Teknologi Dan Kependidikan*. 5(2): 106.
- Noviyanti, A. R., Haryono, Pandu, R., Eddy, D. R. 2017. Cangkang Telur Ayam Sebagai Sumber Kalsium Dalam Pembuatan Hidroksiapatit Untuk Aplikasi Graft Tulang. *Chimica Et Natura Acta*. 5(3): 107-108.
- Nowicka, A., Wilk, G., Lipski, M., KołECKI, J., Buczkowska-Radlińska J. 2015. Tomographic Evaluation Of Reparative Dentin Formation After Direct Pulp

Capping With Ca(OH)₂, Mta, Biodentine, And Dentin Bonding System In Human Teeth. *J Endod.* 41(8): 34–40.

Okamoto, M., Matsumoto, S., Sugiyama, A., Kanie, K., Watanabe, M., Huang, H., Ali, M., Ito, Y., Miura, J., Hirose, Y., Uto, K., Ebara, M., Kato, R., Yamawaki-Ogata, A., Narita, Y., Kawabata, S., Takahashi, Y., Hayashi, M., 2020. *Kinerja Komposit Biodegradable Dengan Hidroksiapatit Sebagai Perancah Dalam Perbaikan Jaringan Pulpa.* pp. 937.

Panseri, S., Montesi, M., Dozio, S.M., Savini, E., Tampieri, A., Sandri, M., 2016. Biomimetic Scaffold With Aligned Microporosity Designed For Dentin Regeneration. *Biotechnol.* 4(48).

Poggio, C., Beltrami, R., Colombo, M., Ceci, M., Dagna, A., Chiesa, M. 2015. In Vitro Antibacterial Activity Of Different Pulp Capping Materials. *J Clin Exp Dent.* 7(5).

Qalbi, T., Azis, Y., & Helwani, Z. 2018. Sintesis Hidroksiapatit Melalui Precipitated Calcium Carbonate (Pcc) Cangkang Telur Ayam Ras Dengan Metode Presipitasi Pada Variasi Konsentrasi Pelarut Hno₃ Dan Rasio Ca/P. *Jom Fteknik.* 5(1–6).

Rahayu, R. P., Pribadi, N., Widjiastuti, I., & Nugrahani, N. A. 2020. Combinations Of Propolis And Ca(OH)₂ In Dental Pulp Capping Treatment For The Stimulation Of Reparative Dentin Formation In A Rat Model. *F1000research.* 9: 1–12.

Rahman, G. V. 2019. Karakterisasi Gugus Fungsi Hidroksiapatit Cangkang Keong Macan (Babylonia Spirata) Dan Keong Unam (Pugilina Cochlidium) Sebagai Kandidat Bahan Cangkok Tulang Di Bidang Periodonsia. *Skripsi.* Universitas Sumatera Utara. (Tidak Dipublikasikan).

Rahmitasari, F. 2016. Scaffold 3d Kitosan Dan Kolagen Sebagai Graft Pada Kasus Kerusakan Tulang (Study Pustaka). *Jurnal Material Kedokteran Gigi.* 5(2): 2.

Riskesdas. 2018. *Riset Kesehatan Dasar, Badan Penelitian Dan Pengembangan Kesehatan Departemen Kesehatan Republik Indonesia.* Jakarta.

Riskesdas. 2013. *Riset Kesehatan Dasar, Badan Penelitian Dan Pengembangan Indonesia, Kesehatan Departemen Kesehatan Republik.* Jakarta.

Roslan, M. R. M., Kamal, N. L. M., Khalid, M. F. A., Nasir, N. F. M., Cheng, E. M., Beh, C. Y., Tan, J. S., & Mohamed, M. S. 2021. The State Of Starch/Hydroxyapatite Composite Scaffold In Bone Tissue Engineering With

Consideration For Dielectric Measurement As An Alternative Characterization Technique. *Materials*. 14(8).

- Sahumena, M. H., Ruslin, Asriyanti, Djuwarno, E. N. 2020. Identifikasi Jamu Yang Beredar Di Kota Kendari Menggunakan Metode Spektrofotometri Uv-Vis. *Journal Syifa Sciences And Clinical Research*. 2(2): 66.
- Sakinah, A. R., & Kuniawansyah, I. S. 2018. Isolasi, Karakterisasi Sifat Fisikokimia, Dan Aplikasi Pati Jagung Dalam Bidang Farmasetik. *Farmaka*. 16(2): 430–442.
- Schwendicke, F., Brouwer, F., Stolpe, M. 2015. Calcium Hydroxide Versus Mineral Trioxide Aggregate For Direct Pulp Capping: A CostEffectiveness Analysis. *J Endod*. 41(12): 1969.
- Sihite, E. B., Budiarto. 2019. Analisis Pengaruh Penuaan Dan Media Pendingin Terhadap Kekerasan Dan Strukturmikro Paduan Cuhfco. *Jurnal Kajian Ilmiah*. 19(3): 233.
- Sobczak-Kupiec, A., Drabczyk, A., Florkiewicz, W., Głazb, M., Kudłacik-Kramarczyk, S., Słota, D., Tomala, A., Tyliszczak, B. 2021. Review of the Applications Of Biomedical Compositions Containing Hydroxyapatite And Collagen Modified By Bioactive Components. *Materials (Basel)*. 14. 2096.
- Sofiani, E., Rizqyalaily. 2021. Evaluasi Klinis Keberhasilan Indirect Pulp Capping Dengan Kalsium Hidroksida Tipe Hard-Setting Pada Rsgm Universitas Muhammadiyah Yogyakarta. *B-Dent: Jurnal Kedokteran Gigi Universitas Baiturrahmah*. 8(1): 65-66.
- Sossa, P. A. F., Giraldo, B. S., Garcia, B. C. G., Parra, E. R., & Arango, P. J. A. 2018. Comparative Study Between Natural And Synthetic Hydroxyapatite: Structural, Morphological And Bioactivity Properties. *Revista Materia*. 23(4).
- Suprianto, K., Hidayati, Nilam, C., Amelia, R., Rahmadita, S. 2019. Hidroksiapatit Dari Cangkang Telur Sebagai Bone Graft Yang Potensial Dalam Terapi Periodontal. *Mkgk (Majalah Kedokteran Gigi Klinik) (Clinical Dental Journal) Ugm*. 5(3): 76-82.
- Syafaat, F. Y., Yusuf, Y. 2018. Effect Of Ca:P Concentration And Calcination Temperature On Hydroxyapatite (Hap) Powders From Quail Eggshell (Coturnix Coturnix). *International Journal Of Nanoelectronics And Materials*. 11: 52-53

- Tarma, N. A. 2022. Uji Tekan (Compressive Strength) Scaffold Hidroksiapatit Gypsum Puger-Pati Singkong Manihot Esculenta Starch Sebagai Bahan Bonegraft. *Skripsi*. Universitas Jember. (Tidak Dipublikasikan).
- Trisnawati, D. A., Sularsih, Widaningsih. 2019. Perbedaan Compressive Strength Scaffold Kombinasi Kitosan Dan Ekstrak Aloe Vera Dengan Pelarut Air Dan Etanol. *Denta Jurnal Kedokteran Gigi*. 13(1): 11-12.
- Wardani, D., Effendy, R., Saraswati, W., 2018. Kekuatan Perlekatan Geser Tumpatan Semen Ionomer Kaca Pada Dentin Setelah Aplikasi Dentin Conditioner Dan Cavity Conditioner. *Conservative Dentistry Journal*. 8(1):36–41.
- Widyasrini, D. A. 2018. Resensi Dental Materials Foundations And Applications. *Jurnal Teknosains*. 8(1): 87.
- Wu, J. 2018. *Advances In Lead-Free Piezoelectric Materials*. Springer Nature Singapore. Singapura. pp. 66–67.
- Yan J, Miao Y, Tan H, Zhou T, Ling Z, Chen Y. 2016. Injectable Alginate/Hydroxyapatite Gel Scaffold Combined With Gelatin Microspheres For Drug Delivery And Bone Tissue Engineering. *Mater Sci Eng C Mater Biol Appl*. 63:274-84.
- Yuwono, M. 2021. Prinsip Kerja Aas (Atomic Absorption Spectrofotometry). Available At: <https://Blogkimia.Com/Prinsip-Kerja-Aas/>. Diakses 24 September 2023.
- Zhang, Y., Shao, H., Lin, T., Peng, J., Wang, A., Zhang, Z., Wang, L., Liu, S., Yu, X. 2019. Effect Of Ca/P Ratios On Porous Calcium Phosphate Salt Bioceramic Scaffolds For Bone Engineering By 3D Gel-Printing Method. *Ceram. Int*. 45. 20493–20500.