

DAFTAR PUSTAKA

- Abyansyah, G.R., Suhardi, S., Wulandari, E.C., 2020. Produktivitas puyuh yang diberi ransum suplementasi berbagai level tepung cangkang telur Itik. *Tropical Animal Science*, 2 (1): pp.17–22.
- Al-hamaoy, A.R., Alobiedy, A.N., Alhille, A.H., 2018. Glass ionomer cement mechanical properties enhancement using hydroxyapatite micro and nano particles. *ARPJ Journal of Engineering and Applied Sciences*, 13 (6): pp.2090–2095.
- Alatawi, R.A.S., Elsayed, N.H., Mohamed, W.S., 2019. Influence of hydroxyapatite nanoparticles on the properties of glass ionomer cement. *Journal of Materials Research and Technology*, 8 (1): pp.344–349.
- Allam, G., El-Geleel, O.A., 2018. Evaluating the mechanical properties, and calcium and fluoride release of glass-ionomer cement modified with chicken eggshell powder. *Dentistry Journal*, 6 (3): pp.0–7.
- Arizona, R., Ollong, A.R., 2020. Kualitas telur puyuh selama penyimpanan dan temperatur yang berbeda. *Jurnal Ilmu Peternakan dan Veteriner Tropis*, 10 (1): pp.70–76.
- Azis, M.Y., Putri, T.R., Aprilia, F.R., Ayuliasari, Y., Hartini, O.A.D., Putra, M.R., 2018. Eksplorasi Kadar Kalsium (Ca) dalam Limbah Cangkang Kulit Telur Bebek dan Burung Puyuh Menggunakan Metode Titrasi dan AAS. *al-Kimiya*, 5 (2): pp.74–77.
- 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. *Crystals*, 11 (674): pp.1–19.
- Barandehfard, F., Kianpour, M., Hosseinnia, A., Khoshroo, K., Tahriri, M., Jazayeri, E., Moharamzadeh, K., Tayebi, L., 2016. The addition of synthesized hydroxyapatite and fluorapatite nanoparticles to a glass-ionomer cement for dental restoration and its effects on mechanical properties. *Ceramics International*, 42 (15): pp.1–42.
- Bilić-Prcić, M., Šalinović, I., Gurgan, S., Vural, U.K., Krmek, S.J., Miletić, I., 2021. Effects of incorporation of marine derived hydroxyapatite on the microhardness, surface roughness, and fluoride release of two glass-ionomer cements. *Applied Sciences (Switzerland)*, 11 (22): pp.1–8.
- Daokar, S. G., Patel, K. K., Pawar, K. S., Wahane, K. D., Kulkarni, S. S., Mantri, A. R., 2021. Evaluation of bonding strength of conventional glass ionomer cement modified with micro-and nano-hydroxyapatite: an in vitro study. *Journal of Interdisciplinary Dentistry*, 11 (3): pp.114–118.

- Dionysopoulos, D., Tolidis, K., Gerasimou, P., Sfeikos, T., 2017. Effect of three clinical curing treatments on fluoride release and surface hardness of glass-ionomer cements. *The International Journal of Periodontics & Restorative Dentistry*, 37 (4): pp.197–203.
- Effendi, M.C., Pratiwi, A.R., Afifah, F., Taufiq, A., 2021. The role of chicken eggshell nano- hydroxyapatite as fillers on the surface hardness of glass ionomer cement. *Malaysian Journal of Fundamental and Applied Sciences*, 17 (4): pp.475–484.
- Ergun, O.F., Yamak, U.S., 2017. The effect of eggshell thickness on hatchability of quail eggs. *Veterinary World*, 10 (9): pp.1114–1117.
- Firdausy, M.D., 2019. Surface deterioration of GIC type Ii based on its expiration date after immersion in carbonated drink. *ODONTO : Dental Journal*, 6 (2): pp.99.
- Handoko, M., Tjandrawinata, R., Octarina, 2020. The effect of nanofilled resin coating on the hardness of glass ionomer cement. *Scientific Dental Journal*, 4 (3): pp.97.
- Insiyah, Cahyaningrum, S.E., 2019. Sintesis dan karakterisasi hidroksiaptit dari batu kapur dengan metode pengendapan basah. *UNESA Journal of Chemistry*, 8 (3): pp.104–110.
- Jazil, N., Hintono, A., Mulyani, S., 2013. Penurunan kualitas telur ayam ras dengan intensitas warna coklat kerabang berbeda selama penyimpanan. *Jurnal Aplikasi Teknologi Pangan*, 2 (1): pp.43–47.
- Kristl, M., Jurak, S., Brus, M., Sem, V., Kristl, J., 2019. Evaluation of calcium carbonate in eggshells using thermal analysis. *Journal of Thermal Analysis and Calorimetry*, 138 (4): pp.2751–2758.
- Lengkey, C.H.E., Mariati, N.W., Pangemanan, D.H.C., 2015. Gambaran penggunaan bahan tumpatan di poliklinik gigi puskesmas kota bitung tahun 2014. *Jurnal e-GIGI*, 3 (2): pp.336–341.
- Maharani, N., Wibowo, A., Aripin, D., Fadil, M.R., 2017. Perbedaan nilai kekerasan permukaan semen Glass Ionomer (GIC) dan modifikasi resin semen Glass Ionomer (RMGIC) akibat efek cairan lambung buatan secara in vitro. *Padjadjaran Journal of Dental Researchers and Students*, 1 (2): pp.77–83.
- Malau, N.D., 2021. Manufacture and characterization of hydroxyapatite from quail eggshell using precipitation methods. *International Journal of Progressive Sciences and Technologies*, 29 (1): pp.484–490.
- Malau, N.D., Adinugraha, F., 2020. Penentuan suhu kalsinasi optimum CaO dari cangkang telur bebek dan cangkang telur burung puyuh. *Jurnal EduMatSains*, 4 (2): pp.193–202.

- Masaeli, R., Kebat, F., Zandsalimi, K., 2019. Microhardness and wear resistance of glass ionomer cements modified by chitosan and nano-hydroxyapatite. *Journal of Dentomaxillofacial Radiology Pathology and Surgery*, 8 (3): pp.7–14.
- Mawadara, P.A., Mozartha, M., K, T., 2016. Pengaruh penambahan hidroksiapit dari cangkang telur ayam terhadap kekerasan permukaan GIC. *Jurnal Material Kedokteran Gigi*, 2 (5): pp.8–14.
- May, Y., Nyein, O.M., Khan, N.N., 2019. Comparative study on the characteristics of eggshell wastes for preparation of calcium acetate. *J. Myanmar Acad Arts Sci*, 17 (1): pp.335–353.
- Metanda, H., Maulana, H., Sumono, A., 2019. Pengaruh Substisusi Sebagian Bubuk Semen Ionomer Kaca Tipe II dengan Hidroksiapit terhadap Kekerasan Permukaan. *Prosiding the 5th Dentistry Scientific Meeting of Jember*. pp.1–7.
- Mohd Pu'ad, N.A.S., Koshy, P., Abdullah, H.Z., Idris, M.I., Lee, T.C., 2019. Syntheses of hydroxyapatite from natural sources. *Heliyon*, 5 (5): pp.1–14.
- Mozartha, M., Praziandithe, M., Sulistiawati, 2015. Pengaruh penambahan hidroksiapit dari cangkang telur terhadap kekuatan tekan glass ionomer cement. *B-Dent, Jurnal Kedokteran Gigi Universitas Baiturrahmah*, 2 (1): pp.75–81.
- Mutmainnah, M., Chadijah, S., Rustiah, W.O., 2017. Hidroksiapit dari tulang ikan tuna sirip kuning (*Tunnus albacores*) dengan metode presipitasi. *Al-Kimia*, 5 (2): pp.119–126.
- Najeeb, S., Khurshid, Z., Zafar, M.S., Khan, A.S., Zohaib, S., Martí, J.M.N., Sauro, S., Matinlinna, J.P., Rehman, I.U., 2016. Modifications in glass ionomer cements: Nano-sized fillers and bioactive nanoceramics. *International Journal of Molecular Sciences*, 17 (7): pp.1–14.
- Nisha, G., Amit, G., 2015. *Textbook of Operative Dentistry*. 3rd edition. New Delhi: Jaypee Brothers Medical. pp.420
- Noviyanti, A.R., Haryono, Pandu, R., Eddy, R., 2017. Cangkang telur ayam sebagai sumber kalsium dalam pembuatan hidroksiapit untuk aplikasi graft tulang. *Chimica et Natura Acta*, 5 (3): pp.107–111.
- Nuryati, T., 2019. Analisis performansi ayam broiler pada kandang tertutup dan kandang terbuka. *Jurnal Peternakan Nusantara*, 5 (2): pp.77–86.
- Park, E.Y., Kang, S., 2020. Current aspects and prospects of glass ionomer cements for clinical dentistry. *Yeungnam University Journal of Medicine*, 37 (3): pp.169–178.
- Powers, J, M., John, C, W., Yen-Wei, 2017. *Dental Materials: Foundation and Applications*. 11th edition. St.Louis: Elsevier. pp.85-87

- Puspita, F.W., Cahyaningrum, S.E., 2017. Sintesis dan karakterisasi hidroksiapatit dari cangkang telur ayam ras (*Gallus Gallus*) menggunakan metode pengendapan basah. *UNESA Journal of Chemistry*, 6 (2): pp.100–106.
- Rahmawati, D., Sunarso, Irawan, B., 2020. Aplikasi hidroksiapatit sebagai bone filler pasca pencabutan gigi. *Jurnal Material Kedokteran Gigi*, 9 (2): pp.39–46.
- Rondonuwu, C.R., Saerang, J.L.P., Utiah, W., Regar, M.N., 2018. Pengaruh pemberian tepung keong sawah (*Pila ampulacea*) sebagai penganti tepung ikan dalam pakan terhadap kualitas telur burung puyuh (*Coturnix coturnix Japonica*). *Zootec*, 38 (1): pp.1–8.
- Sakaguchi, R., Jack, F., John, P., 2019. *Craig's Restorative Dental Materials*. 14th edition. St.Louis: Elsevier. pp.156-157
- Setyawati, A., Waladiyah, F., 2019. Porositas email gigi sebelum dan sesudah aplikasi pasta cangkang telur ayam negeri. *Jurnal Kedokteran Gigi Universitas Padjadjaran*, 31 (3): pp.221–227.
- Sharafeddin, F., Karimi, S., Jowkar, Z., 2019. Evaluation of the effect of micro-hydroxyapatite incorporation on the diametral tensile strength of glass ionomer cements. *Journal of Conservative Dentistry*, 22: pp.266–269.
- Sharafeddin, F., Shoale, S., Kowkabi, M., 2017. Effects of different percentages of microhydroxyapatite on microhardness of resin-modified glass-ionomer and zirconomer. *Journal of Clinical and Experimental Dentistry*, 9 (6): pp.805–811.
- Shen, C., Rawls, R.H., Esquivel-Upshaw, J., 2022. *Phillips' Science of Dental Materials*. 13th edition. St.Louis Missouri: Elsevier. pp.79-143
- Soeprapto, A., 2017. *Pedoman dan Tatalaksana Praktik Kedokteran Gigi*. Yogyakarta: STPI Bina Insan Mulia. pp.49-54
- Sumiati, Pardi, Binetra, T.S., 2019. Pemanfaaan keong mas (*Pomacea Canaliculata*) dalam pakan terhadap produksi telur dan kualitas telur ayam ras. *Jurnal Ilmu dan Teknologi Peternakan Indonesia*, 5 (2): pp.60–66.
- 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: pp.51–58.
- Taewana, T., Wongmaneerung, R., 2017. Synthesis hydroxyapatite from three types eggshells by co-precipitation method. *Applied Mechanics and Materials*, 866: pp.73–76.

- Waheed, M., Butt, M.S., Shehzad, A., Adzahan, N.M., Shabbir, M.A., Rasul Suleria, H.A., Aadil, R.M., 2019. Eggshell calcium: A cheap alternative to expensive supplements. *Trends in Food Science and Technology*, 91: pp.219–230.
- Wan Jusoh, W.N., Matori, K.A., Zaid, M.H.M., Zainuddin, N., Khiri, M.Z.A., Rahman, N.A.A., Jalil, R.A., Kul, E., 2021. Incorporation of hydroxyapatite into glass ionomer cement (Gic) formulated based on alumino-silicate-fluoride glass ceramics from waste materials. *Materials*, 14 (4): pp.1–14.
- Wulandari, E., Wardani, F.R.A., Fatimattuzahro, N., Dewa Ayu Ratna Dewanti, I., 2022. Addition of gourami (*Osphronemus goramy*) fish scale powder on porosity of glass ionomer cement. *Dental Journal (Majalah Kedokteran Gigi)*, 55 (1): pp.33–37.
- Yonata, D., Aminah, S., Hersoelistyorini, W., 2017. Kadar kalsium dan karakteristik fisik tepung cangkang telur unggas dengan perendaman berbagai pelarut. *Jurnal Pangan Dan Gizi*, 7 (2): pp.82–93.
- Yudhit, A., Harahap, K., Nasution, S.C., 2021. Effect of hydroxyapatite from nile tilapia (*Oreochromisniloticus*) scale on surface hardness of conventional and resin modified glass ionomer cement (in vitro study). *Advances in Health Sciences Research*, 32: pp.5–10.