

DAFTAR PUSTAKA

- Al-allaq, A. A., & Kashan, J. S. (2023). A review: In vivo studies of bioceramics as bone substitute materials. *Nano Select*, 4(2), 123–144.
<https://doi.org/10.1002/nano.202200222>
- Alfian, R., Wirawan, R., Hudha, L. S., Qomariyah, N., Rahayu, S., & Marzuki, M. (2022). Pemanfaatan Sensor Load Cell Dalam Pembuatan Prototipe Alat Uji Tekan Portabel. *Wahana Fisika*, 7(1), 82–92.
<https://doi.org/10.17509/wafi.v7i1.46990>
- Ali, A., Chiang, Y. W., & Santos, R. M. (2022). X-Ray Diffraction Techniques for Mineral Characterization: A Review for Engineers of the Fundamentals, Applications, and Research Directions. *Minerals*, 12(2).
<https://doi.org/10.3390/min12020205>
- Bohner, M., Santoni, B. L. G., & Döbelin, N. (2020a). β -tricalcium phosphate for bone substitution: Synthesis and properties. In *Acta Biomaterialia* (Vol. 113, pp. 23–41). Acta Materialia Inc.
<https://doi.org/10.1016/j.actbio.2020.06.022>
- Bohner, M., Santoni, B. L. G., & Döbelin, N. (2020b). β -tricalcium phosphate for bone substitution: Synthesis and properties. *Acta Biomaterialia*, 113, 23–41. <https://doi.org/10.1016/j.actbio.2020.06.022>
- Camozzi, V., Vescini, F., Luisetto, G., & Moro, L. (2010). Bone organic matrix components: their roles in skeletal physiology. *Journal of Endocrinological Investigation*, 33, 13–15.
- Farikhin, F. (2016). Analisa scanning electron microscope komposit polyester dengan filler karbon aktif dan karbon non aktif. *Publikasi Ilmiah*.
- Girón, J., Kerstner, E., Medeiros, T., Oliveira, L., Machado, G. M., Malfatti, C. F., & Pranke, P. (2021). Biomaterials for bone regeneration: An orthopedic and dentistry overview. *Brazilian Journal of Medical and Biological Research*. <https://doi.org/10.1590/1414-431X2021E11055>
- Hasil, J., Fisika, P. B., Br, S., Dan, S., Sirait, M., Fisika, J., Matematika, F., Ilmu, D., & Alam, P. (n.d.). *EINSTEIN (e-Journal)*.
<http://jurnal.unimed.ac.id/2012/index.php/einstene-issn:2407-747x,p-issn2338-1981>
- Janssen, G.-J. (2015). Information on the FESEM (Field-emission Scanning Electron Microscope). *Radboud University Nijmegen*.
- Kumari, L. S., Joseph, J., John, J., Pillai, R. S., Balachandran, S., John, A., & Abraham, A. (2018). Curcumin spiroborate ester incorporated hydroxyapatite β -tricalcium phosphate scaffolds for tissue engineering applications. *Trends in Biomaterials and Artificial Organs*, 32(3), 97–104.

- Li, J., Li, J., Yang, Y., He, X., Wei, X., Tan, Q., Wang, Y., Xu, S., Chang, S., & Liu, W. (2023). Biocompatibility and osteointegration capability of β -TCP manufactured by stereolithography 3D printing: In vitro study. *Open Life Sciences*, 18(1). <https://doi.org/10.1515/biol-2022-0530>
- Mukhamatdinov, I. I. (2023). FTIR-spectroscopy. In *Catalytic In-Situ Upgrading of Heavy and Extra-Heavy Crude Oils*. <https://doi.org/10.1002/9781119871507.ch2-3>
- Rafiu, R. (2024). *Khulna University of Engineering and Technology Department of Materials Science and Engineering Course Title Materials Characterization Sessional X-Ray Diffraction (XRD) Analysis Name : Rifat Rafiu. October, 0–7*. <https://doi.org/10.13140/RG.2.2.19894.92482>
- Rani, P., Pal, D., Hoda, M. N., Ara, T. J., Beg, S., Saquib Hasnain, M., & Nayak, A. K. (2019). 4 - Dental pulp capping nanocomposites. In A. M. Asiri, Inamuddin, & A. Mohammad (Eds.), *Applications of Nanocomposite Materials in Dentistry* (pp. 65–91). Woodhead Publishing. <https://doi.org/https://doi.org/10.1016/B978-0-12-813742-0.00004-3>
- Ratnasari, A., Sofiyarningsih, N., Syaifun Nizar, M., Hernawan, dan, & Utama Balai Besar Keramik Jl Jend Ahmad Yani No, K. (2021). *Sintesis E-TCP dengan Metode.... Ayu Ratnasari, dkk SINTESIS E-TCP DENGAN METODE PRESIPITASI BASAH DARI BAHAN KAPUR ALAM Synthesis of E-TCP by Wet Precipitation Method from Natural Lime*.
- Robertson, S. F., & Bose, S. (2020). Enhanced osteogenesis of 3D printed β -TCP scaffolds with *Cissus Quadrangularis* extract-loaded polydopamine coatings. *Journal of the Mechanical Behavior of Biomedical Materials*, 111, 103945. <https://doi.org/10.1016/j.jmbbm.2020.103945>
- Sharma, S. K., Verma, D. S., Khan, L. U., Kumar, S., & Khan, S. B. (2018). Handbook of Materials Characterization. *Handbook of Materials Characterization, September*, 1–613. <https://doi.org/10.1007/978-3-319-92955-2>
- Sri Hardyanti, I., Nurani, I., Septyaningsih Hardjono, D. H., Apriliani, E., Agus Prastyo Wibowo, E., Kimia, J., Matematika dan Ilmu Pengetahuan Alam, F., & Negeri Semarang, U. (2020). *Pemanfaatan Silika (SiO₂) dan Bentonit sebagai Adsorben Logam Berat Fe pada Limbah Batik*. 3(2).
- Thain, S. (2022a). IR Spectroscopy and FTIR Spectroscopy: How an FTIR Spectrometer Works and FTIR Analysis. *Technology Networks Analysis & Separations*.
- Thain, S. (2022b). IR Spectroscopy and FTIR Spectroscopy: How an FTIR Spectrometer Works and FTIR Analysis. *Technology Networks Analysis & Separations*.
- Urošević, M., Nikolić, L., Gajić, I., Nikolić, V., Dinić, A., & Miljković, V. (2022). Curcumin: Biological Activities and Modern Pharmaceutical Forms. In *Antibiotics*. <https://doi.org/10.3390/antibiotics11020135>

Windarti, T., Widjijono, & Nuryono. (2021). Deposition of hydroxyapatite on silica made from rice husk ash to produce the powder component of calcium phosphate cement. *Indonesian Journal of Chemistry*, 21(3), 588–597. <https://doi.org/10.22146/ijc.57900>