

DAFTAR PUSTAKA

- Abushowmi, T. H., Al Zaher, Z. A., Almaskin, D. F., Qaw, M. S., Abualsaud, R., Akhtar, S., Al-Thobity, A. M., Al-Harbi, F. A., Gad, M. M., dan Baba, N. Z. 2020. Comparative effect of glass fiber and nano-filler addition on denture repair strength. *Journal of Prosthodontics*. 29(3): 261–268.
- Al-Harbi, F. A., Abdel-Halim, M. S., Gad, M. M., Fouda, S. M., Baba, N. Z., AlRumaih, H. S., dan Akhtar, S. 2019. Effect of nanodiamond addition on flexural strength, impact strength, and surface roughness of PMMA denture base. *Journal of Prosthodontics*. 28(1): e417–e425.
- Annusavice, K. J., Chen, C., dan Rawls, H. R. 2013. *Phillips's science of dental material* (12th ed.). Missouri: Elsevier Saunders. p107, p475, p476, p488, p519.
- Arjuna, A., Natsir, S., Khumaerah, A. A., dan Yulianty, R. 2018. Modifikasi serat limbah kubis menjadi nanokristalin selulosa melalui metode hidrolisis asam. *Galenika Journal of Pharmacy*. 4(2): 119–125.
- Bacali, C., Baldea, I., Moldovan, M., Carpa, R., Olteanu, D. E., Filip, G. A., Nastase, V., Lascu, L., Badea, M., Constantiniuc, M., dan Badea, F. 2020. Flexural strength, biocompatibility, and antimicrobial activity of a polymethyl methacrylate denture resin enhanced with graphene and silver nanoparticles. *Journal Clinical Oral Investigations*. 24(8): 2713–2725.
- Bandarra, S., Mascarenhas, P., Luís, A. R., Catrau, M., Bekman, E., Ribeiro, A. C., Félix, S., Caldeira, J., dan Barahona, I. 2020. In vitro and in silico evaluations of resin-based dental restorative material toxicity. *Journal Clinical Oral Investigations*. 24(8): 2691–2700.
- Brilliant Al, A., Fahri Husaini, A., dan Muljani, S. 2021. Karakterisasi komposit fiber selulosa-silika dengan pelarut ethanol. *Journal of Chemical and Process Engineering Jurnal ChemPro*. 2(2): 6-11.
- Çakırbay Tanış, M., Akay, C., dan Sevim, H. 2018. Cytotoxicity of long-term denture base materials. *International Journal of Artificial Organs*. 41(10): 667–683.
- Campaner, M., Takamiya, A. S., Bitencourt, S. B., Mazza, L. C., de Oliveira, S. H. P., Shibayama, R., Barão, V. A. R., Sukotjo, C., dan Pesqueira, A. A. 2020. Cytotoxicity and inflammatory response of different types of provisional restorative materials. *Journal Archives of Oral Biology*. 111: 5–23.
- Effendi, D. B., Rosyid, N. H., Bayu, A., Nandiyanto, D., dan Mudzakir, A. 2015. Review: Sintesis nanoselulosa. *Jurnal Integrasi Proses*. 5(2): 61–74.

- Errokh, A., Magnin, A., Putaux, J. L., dan Boufi, S. 2019. Hybrid nanocellulose decorated with silver nanoparticles as reinforcing filler with antibacterial properties. *Materials Science and Engineering C Journal*. 105(1): 1–15.
- Evelyna, A., Prakusya, N., Ariswari, A. N., Suprana, D., dan Purwasasmita, S. B. 2019. Sintesis dan Karakterisasi Nanoselulosa Berbahan Serat Nanas sebagai Komponen Penguat Material Kedokteran Gigi. *Jurnal Material Kedokteran Gigi*. 8(2): 60–64.
- Franken, L. E., Grünewald, K., Boekema, E. J., dan Stuart, M. C. A. 2020. A Technical introduction to transmission electron microscopy for soft-matter: imaging, possibilities, choices, and technical developments. *Small Journal*. 1906198 (2020): 1-15.
- Gad, M. M., Fouda, S. M., Al-Harbi, F. A., Nöpänkangas, R., dan Raustia, A. 2017. PMMA denture base material enhancement: A review of fiber, filler, and nanofiller addition. *International Journal of Nanomedicine*. 12: 3801–3812.
- Goiato, M. C., Freitas, E., dos Santos, D., de Medeiros, R., dan Sonogo, M. 2015. Acrylic resin cytotoxicity for denture base - Literature review. *Advances in Clinical and Experimental Medicine Journal*. 24(4): 679-686.
- Gunawan, G. R. N., Ismiyati, T., dan Dipoyono, H. M. 2020. Effect of nano silica coating concentration on reducing acrylic resin denture cytotoxicity. *Majalah Kedokteran Gigi Indonesia*. 5(3): 126-130.
- Hakim, L., dan Nawir, D. M. 2019. Karakterisasi struktur material pasir bongkahan galian golongan C dengan menggunakan X-Ray Diffraction (X-RD) di kota Palangkaraya. *Jurnal Jejaring Matematika dan Sains*. 1(1): 44-51.
- Hamad, Q. A. 2017. Study of The Effect of Nano ceramic Particles on Some Physical Properties of Acrylic Resin. *Engineering and Technology Journal*. 35(2): 124–129.
- Hampe, T., Wiessner, A., Frauendorf, H., Alhussein, M., Karlovsky, P., Bürgers, R., dan Krohn, S. 2022. Monomer release from dental resins: the current status on study setup, detection and quantification for in vitro testing. *Journal Polymers*. 6(4): 1-21.
- Hardita, A., Ismiyati, T., dan Wahyuningtyas, E. 2020. Effect of addition titanium dioxide nanoparticles as acrylic resin denture base filler on cytotoxicity. *Majalah Kedokteran Gigi Indonesia*. 5(2): 86-91.
- Hasran, M. A. R., Imam, D. N. A., dan Sunendar, B. 2021. Addition of rice husk nanocellulose to the impact strength of resin base heat cured. *Journal of Vocational Health Studies*. 4(3): 119.
- Hossain, M. I., Zaman, H., dan Rahman, T. 2018. Derivation of nanocellulose from native rice husk. *Chemical Engineering Research Bulletin*. 20(1): 19.

- Ilyas, R. A., Sapuan, S. M., dan Ishak, M. R. 2018. Isolation and characterization of nanocrystalline cellulose from sugar palm fibres (*Arenga Pinnata*). *Carbohydrate Polymers Journal*. 181(10): 1038–1051.
- Julianto, H., Farid, M., dan Rasyida, A. 2017. Ekstraksi Nanoselulosa dengan Metode Hidrolisis Asam sebagai Penguat Komposit Absorpsi Suara. *Jurnal Teknik ITS*. 6(2): 242–245.
- Karakaş, D., Ari, F., dan Ulukaya, E. 2017. The MTT viability assay yields strikingly false-positive viabilities although the cells are killed by some plant extracts. *Turkish Journal of Biology*. 41(6): 919–925.
- Kohl, T. O., dan Ascoli, C. A. 2017. Indirect competitive enzyme-linked immunosorbent assay (ELISA). *Cold Spring Harbor Protocols Journal*. 2017(7): 569–574.
- Kumar, P., Nagarajan, A., dan Uchil, P. D. 2018. Analysis of cell viability by the MTT assay. *Cold Spring Harbor Protocols Journal*, 2018(6), 469–471.
- Kurt, A., Erkose-Genc, G., Uzun, M., Emrence, Z., Ustek, D., dan Isik-Ozkol, G. 2017. The antifungal activity and cytotoxicity of silver containing denture base material. *Nigerian Journal of Clinical Practice*. 20(3): 290–295.
- Lee, J. H., Jun, S. K., Kim, S. C., Okubo, C., dan Lee, H. H. 2017. Investigation of the cytotoxicity of thermoplastic denture base resins. *Journal of Advanced Prosthodontics*. 9(6): 453–462.
- Lu, P., dan Hsieh, Y. I. 2012. Preparation and characterization of cellulose nanocrystals from rice straw. *Carbohydrate Polymers Journal*. 87(1): 564–573.
- Manappallil, J. J., 2016. *Basic Dental Materials* (4th ed.). New Delhi: Jaypee Brother Medical Publisher. p173, p535, p538, p540, p541, p564
- Maruf, A., dan Damajanti, N. 2020. Pengaruh jumlah siklus HEM (High Energy Milling) pada karakteristik MFC (Microfibrillated Cellulose) dari sekam padi. *Techno (Jurnal Fakultas Teknik, Universitas Muhammadiyah Purwokerto)*. 21(1): 29–36.
- Moropoulou, A., Zendri, E., Ortiz, P., Delegou, E. T., Ntoutsis, I., Balliana, E., Becerra, J., dan Ortiz, R. 2019. Scanning microscopy techniques as an assessment tool of materials and interventions for the protection of built cultural heritage. *Scanning Journal*. 2019: 1-20.
- Muhammad, A., Venisia, D., dan Dewati, R. 2020. Sintesis komposit fiber-silika dari abu sekam padi dan pulp dengan metanol. *Jurnal Teknik Kimia*. 10(1): 34–39.
- Munadzirah, E. 2004. Sitotoksitas resin akrilik jenis heat-cured terhadap sel fibroblas. *Majalah Kedokteran Gigi*. 37(2): 95–98.

- Murdiyanto, D. 2017. Sitotoksitas non dental glass fiber reinforced composite terhadap sel fibroblas metode methyl. *Jurnal Ilmu Kedokteran Gigi*. 1(1): 45–51.
- Nandiyanto, A. B. D., Oktiani, R., dan Ragadhita, R. 2019. How to read and interpret ftir spectroscopy of organic material. *Indonesian Journal of Science and Technology*. 4(1): 97–118.
- Nasir, M., Hashim, R., Sulaiman, O., dan Asim, M. 2017. Nanocellulose: Preparation methods and applications. *Journal Cellulose-Reinforced Nanofibre Composites: Production, Properties and Applications*. (1)1: 261–276.
- Nilsson, C. 2017. Preparation and characterization of nanocellulose from wheat bran. In *Thesis*. Lund University, Sweden.
- Ningtyas, K. R., Muslihudin, M., dan Sari, I. N. 2020. Synthesis of nanoselulosa from agricultural waste using variation acid concentration. *Jurnal Penelitian Pertanian Terapan*. 20(2): 142–147.
- Nugraha, A. B., Nuruddin, A., dan Sunendar, B. 2021. Isolasi nanoselulosa terkarboksilasi dari limbah kulit pisang ambon lumut dengan metode oksidasi. *Journal of Science and Applicative Technology*. 5(1): 236–244.
- Pambudi, A., Farid, M., dan Nurdiansah, H. 2017. Analisis morfologi dan spektroskopi inframerah serat bambu petung (*dendrocalamus asper*) hasil proses alkalisasi sebagai penguat komposit absorpsi suara. *Jurnal Teknik ITS*. 6(2): 441–444.
- Phanthong, P., Reubroycharoen, P., Hao, X., Xu, G., Abudula, A., dan Guan, G. 2018. Nanocellulose: Extraction and application. *Journal Carbon Resources Conversion*. 1(1): 32–43.
- Power, J. M., dan Wataha, J. C. 2013. *Dental Materials: Properties and Manipulation*. St. Louis: Elsevier. p171, p173
- Pratiwi, R., Rahayu, D., dan Barliana, M. I. 2016. Pemanfaatan selulosa dari limbah jerami padi (*Oryza sativa*) sebagai bahan bioplastik. *Indonesian Journal of Pharmaceutical Science and Technology*. 3(3): 83
- Priya, A., Singh, A., dan Srivastava, N. A. 2017. Electron microscopy – an overview. *International Journal of Students' Research in Technology dan Management*. 5(4): 81–87.
- Rahmasita, M. E., Farid, M., dan Ardhyanta, H. 2017. Analisa Morfologi Serat Tandan Kosong Kelapa Sawit Sebagai Bahan Penguat Komposit Absorpsi Suara. *Jurnal Teknik ITS*. 6(2).

- Raszewski, Z., Nowakowska-Toporowska, A., Nowakowska, D., dan Więckiewicz, W. 2021. Update on acrylic resins used in dentistry. *Mini-Reviews in Medicinal Chemistry*. 21.
- Rekha, S., dan Anila, E. I. 2019. In vitro cytotoxicity studies of surface modified CaS nanoparticles on L929 cell lines using MTT assay. *Materials Letters*. 236: 637–639.
- Riyadi, W., Sunendar, B., dan Imam, D. N. A. 2020. Penambahan nanoselulosa sekam padi terhadap kekuatan fleksural basis gigi tiruan resin akrilik polimerisasi panas. *Journal of Dentistry*. 4(2): 336–342.
- Rohaeni, W. R., dan Yuliani, D. 2019. Morphological variability in leaf of Indonesian rice landraces and its correlation to bacterial leaf blight disease resistance. *Jurnal Ilmu Pertanian Indonesia*. 24(3): 258–266.
- Romruen, O., Kaewprachu, P., Karbowskiak, T., dan Rawdkuen, S. 2022. Isolation and characterization cellulose nanosphere from different agricultural by-products. *Journal Polymers*. 14(13): 2534.
- Sharma, S. K., Verna, D. S., Khan, L. U., Kumar, S., dan Khan, S. B. 2018. *Handbook of characterization*. Springer, Switzerland. p317.
- Shen, C., Ralph, H. R., dan Esquivel-Upshaw, J. 2022. *Phillips' Science of Dental Materials* (13 ed.). Missouri: Elsevier Saunders. p107.
- Soetono, L. R., Sumarsongko, T., Damayanti, L., dan Laksono, B. 2020. Immersion effect on self-cured acrylic base towards the fibroblast cell viability. *Jurnal Kedokteran Gigi Universitas Padjadjaran*. 32(1): 78.
- Tang, J., Sisler, J., Grishkewich, N., dan Tam, K. C. 2017. Functionalization of cellulose nanocrystals for advanced applications. *Journal of Colloid and Interface Science*. 494: 397–409.
- Thakral, N. K., Zanon, R. L., Kelly, R. C., dan Thakral, S. (2018). Applications of powder X-Ray diffraction in small molecule pharmaceuticals: achievements and aspirations. *Journal of Pharmaceutical Sciences*. 107 (12): 2969–2982.
- Thomas, B., Raj, M. C., Athira, B. K., Rubiyah, H. M., Joy, J., Moores, A., Drisko, G. L., dan Sanchez, C. 2018. Nanocellulose a versatile green platform: from biosources to materials and their applications. *Chemical Reviews*. 118 (24): 11575–11625.
- Wang, L., Pathak, J. L., Liang, D., Zhong, N., Guan, H., Wan, M., Miao, G., Li, Z., dan Ge, L. 2020. Fabrication and characterization of strontium-hydroxyapatite/silk fibroin biocomposite nanospheres for bone-tissue engineering applications. *International Journal of Biological Macromolecules*. 142(1): 366–375.

Zinge, C., dan Kandasubramanian, B. 2020. Nanocellulose based biodegradable polymers. *European Polymer Journal*. 133(4): 109758.

Zou, W., Hong, G., Yamazaki, Y., Takase, K., Ogawa, T., Washio, J., Takahashi, N., dan Sasaki, K. 2020. Use of cellulose nanofibers as a denture immersing solution. *Dental Materials Journal*. 39(1): 80–88.

