

DAFTAR PUSTAKA

- Abitbol, T., Rivkin, A., Cao, Y., Nevo, Y., Abraham, E., et al. 2016. Nanocellulose, a tiny fiber with huge applications. *Current Opinion in Biotechnology*. 39 (1): pp. 76–88.
- Akay, C., & Avukat, E. N. 2019. Effect of nanoparticle addition on polymethylmethacrylate resins. *Acta Scientific Dental Sciences*. 3 (7): pp. 91–97.
- Aminah, S. 2017. Bionanokomposit Film Berbasis PVA dan Nanoselulosa dari Serat Kenaf. *Tesis*. Sekolah Pascasarjana Institut Pertanian Bogor. Bogor.
- Badan Pusat Statistik. 2018. *Ringkasan Eksekutif Luas Panen Dan Produksi Beras Di Indonesia*. Jakarta.
- Badriyah, L., & Manggara, A. B. 2015. Penetapan kadar vitamin C pada cabai merah (*Capsicum annum L.*) menggunakan metode spektrofotometri uv-vis. *Jurnal Wiyata: Penelitian Sains Dan Kesehatan*. 2 (1): pp. 25–28.
- Balos, S., Puska, T., Potran, M., Markovic, D., Pilic, B., et al. 2016. Modulus of elasticity, flexural strength and biocompatibility of poly(methyl methacrylate) resins with low addition of nanosilica. *Journal of Dental Sciences*. 4 (1): pp. 26–33.
- Balos, S., Puskar, T., Potran, M., Milekic, B., Koprivica, D. D., et al. 2020. Modulus, strength and cytotoxicity of pmma-silica nanocomposites. *Coatings*. 10 (6): pp. 1–13.
- Belgacem, N. 2016. Nanocellulose: production, functionalisation and applications preface. *Industrial Crops and Products*. 93: pp. 1.
- Diansari, V., Fitriyani, S., & Haridhi, F. M. 2016. Studi pelepasan monomer sisa dari resin akrilik heat cured setelah perendaman dalam akuades. *Cakradonya Dent J*. 8 (1): pp. 1–76.
- Dima, S. O., Panaitescu, D. M., Orban, C., Ghiurea, M., Doncea, S. M., et al. 2017. Bacterial nanocellulose from side-streams of kombucha beverages production: Preparation and physical-chemical properties. *Polymers*. 9 (8): pp. 5–10.
- Effendi, D. B., Rosyid, N. H. R., Nandiyanto, A. B. D., & Mudzakir, A. 2015. Review : sintesis nanoselulosa. *Jurnal Integrasi Proses*. 5 (2): pp. 61–74.
- Ergun, E., Ergun, Ü., & Kalıpçilar, B. 2019. A comparative study of heat-cured and gamma-cured fiber-reinforced denture-base acrylic resins: Residual monomer and flexural strength. *Polymers and Polymer Composites*. 28 (8–9): pp. 530–540.

- Evelyna, A., Prakusya, N., Ariswari, A., Suprana, D. J., & Purwasasmita, B. 2019. Sintesis dan karakterisasi nanoselulosa berbahan serat nanas sebagai komponen penguat material kedokteran gigi. *Jurnal Material Kedokteran Gigi*. 8 (2): pp. 60–64.
- Fatriasari, W., Masruchin, N., & Hermati, E. 2019. *Selulosa: Karakteristik Dan Pemanfaatannya*. LIPI Press. Jakarta. pp. 6, 54.
- Goenharto, S. 2016. Bahaya bagi teknisi dental laboratorium pada pembuatan peranti ortodonti lepas. *Jurnal PDGI*. 65 (1): pp. 6–11.
- Haafiz, M. K. M., Hassan, A., Zakaria, Z., & Inuwa, I. M. 2014. Isolation and characterization of cellulose nanowhiskers from oil palm biomass microcrystalline cellulose. *Carbohydrate Polymers*. 103 (1): pp. 119–125.
- Halib, N., Perrone, F., Cemazar, M., Dapas, B., Farra, R., et al. 2017. Potential applications of nanocellulose-containing materials in the biomedical field. *Materials*. 10 (8): pp. 1–31.
- Hardita, A. 2018. Pengaruh Penambahan Nanopartikel TiO₂ Sebagai Filler Basis Gigi Tiruan Resin Akrilik Terhadap Sitotoksitas Pada Sel Fibroblas (Kajian In Vitro). *Skripsi*. Universitas Gadjah Mada. Yogyakarta.
- Hasran, M. A. R., Imam, D. N. A., & Sunendar, B. 2021. Addition of rice husk nanocellulose to the impact strength of resin base heat cured. *Journal of Vocational Health Studies*. 4 (3): pp. 119–124.
- Hossain, M. I., Zaman, H., & Rahman, T. 2018. Derivation of nanocellulose from native rice husk. *Chemical Engineering Research Bulletin*. 20 (1): pp. 19–22.
- Ishak, Z. A. M. 2011. Editorial corner - a personal view rice husk: turning wastes into wealth. *Express Polymer Letters*. 5 (7): pp. 569.
- Ismiyati, T., Siswomihardjo, W., Soesatyo, M. H. N. E., & Rochmadi, R. 2016. Uji sitotoksitas campuran resin akrilik dengan kitosan sebagai bahan gigi tiruan anti jamur. *Jurnal Teknosains*. 5 (2): pp. 98–103.
- Johar, N., Ahmad, I., & Dufresne, A. 2012. Extraction, preparation and characterization of cellulose fibres and nanocrystals from rice husk. *Industrial Crops and Products*. 37 (1): pp. 93–99.
- Julianto, H., Farid, M., & Rasyida, A. 2017. Ekstraksi nanoselulosa dengan metode hidrolisis asam sebagai penguat komposit absorpsi suara. *Jurnal Teknik ITS*. 6 (2): pp. 242–245.

- Khalil, A., Saurabh, C. K., A.S., A., Fazita, M. R. N., Syakir, M. I., et al. 2016. A review on chitosan-cellulose blends and nanocellulose reinforced chitosan biocomposites: Properties and their applications. *Carbohydrate Polymers*. 150: pp. 216–226.
- Kinanti, K. P., & Rachman, A. K. 2018. Padi bagi masyarakat indonesia: kajian semantik inkuisitif pada peribahasa indonesia. *Basastra*. 8 (1): pp. 29–43.
- Kostić, M., Stanojević, J., Tačić, A., Gligorijević, N., Nikolić, L., et al. 2020. Determination of residual monomer content in dental acrylic polymers and effect after tissues implantation. *Biotechnology and Biotechnological Equipment*. 34 (1): pp. 254–263.
- Kurniawan, A. A., Imam, D. N. A., & Hirawan, H. 2020. The effect of addition of nano hydroxyapatite powder of anadara granosa shells on surface roughness of heat cured acrylic resin. *Denta Jurnal Kedokteran Gigi*. 14 (2): pp. 82–87.
- Kurt, A., Erkose-Genc, G., Uzun, M., Emrence, Z., Ustek, D., et al. 2017. The antifungal activity and cytotoxicity of silver containing denture base material. *Nigerian Journal of Clinical Practice*. 20 (3): pp. 290–295.
- Kusumawardani, C. D. N., Chondro, R. T., Andrian, I., & Sari, R. P. 2020. Pengaruh penambahan hidroksiapatit terhadap porositas dan compressive strength basis resin akrilik heat-cured. *Jurnal Kedokteran Gigi Universitas Padjadjaran*. 32 (2): pp. 91.
- Leong, S. S., Ng, W. M., Lim, J. K., & Yeap, S. P. 2018. *Handbook Of Materials Characterization*. 1st ed. Springer International Publishing. Switzerland. pp. 327.
- Lin, N., & Dufresne, A. 2014. Nanocellulose in biomedicine: current status and future prospect. *European Polymer Journal*. 59: pp. 302–325.
- Lu, P & Hsieh, Y. L. 2010. Preparation and properties of cellulose nanocrystals: Rods, spheres, and network. *Carbohydrate Polymers*. 82 : pp. 329–336
- Manappallil, J. J. 2016. *Basic Dental Materials*. 4th ed. Jaypee Brothers Medical Publisher. New Delhi. pp. 538–560.
- Mardiunti, A. D. 2019. Pengaruh Penambahan Nanoselulosa Sekam Padi (*O. Sativa L.*) Terhadap Kekuatan Kompresi Pada Plat Orthodonti Resin Akrilik Self Cure Dengan Metode Spray-On. *Skripsi*. Universitas Jenderal Soedirman. Purwokerto.
- McCabe, J. F., & Angus Walls. 2008. *Applied Dental Materials*. 9th ed. Blackwell Publishing Carlton. Australia. pp. 113, 312.

- Mulyadi, I. 2019. Isolasi dan karakteristik selulosa. *Jurnal Saintika Unpam*. 1 (2): pp. 177–182.
- Nandiyanto, A. B. D., Oktiani, R., & Ragadhita, R. 2019. How to read and interpret ftir spectroscope of organic material. *Indonesian Journal of Science and Technology*. 4 (1): pp. 97–118.
- Nang An, V., Nhan, C., Thuc, H., Tap, T. D., Van, T. T. T., Van Viet, P., & Van Hieu, L. 2020. Extraction of high crystalline nanocellulose from biorenewable sources of Vietnamese agricultural wastes. *Journal of Polymers and the Environment*. 28 (5): 1465-1474.
- Natasya, C., Miftahullaila, M., Sinamo, S., Nurul, N., & Griselda, J. 2020. Pengaruh waktu perendaman plat resin akrilik dalam perasan murni bawang putih terhadap jumlah koloni *candida albicans*. *Jurnal Kedokteran dan Kesehatan: Publikasi Ilmiah Fakultas Kedokteran Universitas Sriwijaya*. 7 (3): pp. 175-182.
- Nasir, M., Hashim, R., Sulaiman, O., & Asim, M. 2017. *Cellulose-reinforced nanofibre composites*. Elsevier Inc. St. Louis Missouri. pp. 261–276.
- Pereira, A. L. S., Nascimento, D. M. D., Souza Filho, M. D. S. M., Morais, J. P. S., Vasconcelos, N. F., et al. 2014. Improvement of polyvinyl alcohol properties by adding nanocrystalline cellulose isolated from banana pseudostems. *Carbohydrate Polymers*. 112: pp. 165–172.
- Phanthong, P., Reubroycharoen, P., Hao, X., Xu, G., Abudula, A., et al. 2018. Nanocellulose: extraction and application. *Carbon Resources Conversion*. 1 (1): pp. 32–43.
- Pratiwi, R., Rahayu, D., & Barliana, M. I. 2016. Pemanfaatan selulosa dari limbah jerami padi (*oryza sativa*) sebagai bahan bioplastik. *Indonesian Journal of Pharmaceutical Science and Technology*. 3 (3): pp. 83–91.
- Rahmasita, M. E., Farid, M., & Ardhyananta, H. 2017. Analisa morfologi serat tandan kosong kelapa sawit sebagai bahan penguat komposit absorpsi suara. *Jurnal Teknik ITS*. 6 (2): pp. A584–A588.
- Rahmawati, S. J. 2021. Pengaruh Penambahan Nanoselulosa Sekam Padi (*Oryza Sativa L.*) Terhadap Kekasaran Permukaan Basis Gigi Tiruan Resin Akrilik Polimerisasi Panas. *Skripsi*. Universitas Jenderal Soedirman. Purwokerto.
- Rao P. S., Mahesh, P., Kumar, H.C., et al. 2012. Comparison of residual monomer and water absorption in acrylic resin samples processed with microwave and conventional heat cure polymerization methods – invitro study. *Annals and Essence of Dentistry*. 4 (1) : pp. 25-29.

- Rashid, H., Sheikh, Z., & Vohra, F. 2015. Allergic effects of the residual monomer used in denture base acrylic resins. *European Journal of Dentistry*. 9 (4): pp. 614–619.
- Raszewski, Z. 2020. Influence of polymerization method on the cytotoxicity of three different denture base acrylic resins polymerized in different methods. *Saudi Journal of Biological Sciences*. 27 (10): pp. 2612–2616.
- Rojas, O. J. (Ed.). 2016. *Cellulose Chemistry And Properties: Fibers, Nanocelluloses And Advanced Materials* (Vol. 271). Springer. Switzerland. pp. 3.
- Satriawan MB, & Ilmiati Illing. 2018. Uji FTIR bioplastik dari limbah ampas sagu dengan penambahan variasi konsentrasi gelatin. *Jurnal Dinamika*. 8 (2): pp. 1–13.
- Seo, Y.-R., Kim, J.-W., Hoon, S., Kim, J., Chung, J. H., et al. 2018. Cellulose-based nanocrystals: sources and applications via agricultural byproducts. *J. Biosyst. Eng.* 43 (1): pp. 59–71.
- Shen, C., Rawls, H. R., & Esquivel-Upshaw, J. F. 2022. *Phillips' Science Of Dental Materials*. 13th ed. Elsevier Inc. St. Louis Missouri. pp. 92–108, 475–489.
- Suhartati, T. 2017. *Dasar-Dasar Sektrofotometri UV-VIS Dan Spektrofotometri Massa Untuk Penentuan Struktur Senyawa Organik*. Anugrah Utama Raharja Anggota. Bandar Lampung. pp. 2–4.
- Sundari, I., Rahmayani, L., & Serpita, D. 2019. Studi kekasaran permukaan antara resin akrilik heat cured dan termoplastik nilon yang direndam dalam kopi ulee kareng (*coffea robusta*). *Cakradonya Dental Journal*. 11 (1): pp. 67–73.
- Talari, F. S., Qujeq, D., Amirian, K., & Ramezani, A. 2016. Evaluation the effect of cellulose nanocrystalline particles on fleksural strength and surface hardness of autopolymerized temporary fixed restoration resin. *International Journal of Advanced Biotechnology and Research (IJBR)*. 7 (5): pp. 152–160.
- Tripathi, K. K., Govila, O. P., Warrier, R., & Ahuja, V. 2011. *Biology Of Oryza Sativa L. (Rice)*. Department of Biotechnology Ministry of Science and Technology. India. pp. 11.
- Wulandari, W. T., Rochliadi, A., & Arcana, I. M. 2016. Nanocellulose prepared by acid hydrolysis of isolated cellulose from sugarcane bagasse. *IOP Conference Series: Materials Science and Engineering*. 107 (1): pp. 1–7.
- Xie, H., Du, H., Yang, X., & Si, C. 2018. Recent strategies in preparation of cellulose nanocrystals and cellulose nanofibrils derived from raw cellulose materials. *International Journal of Polymer Science*. 2018: pp. 1–25.

Yang, X., Han, F., Xu, C., Jiang, S., Huang, L., et al. 2017. Effects of preparation methods on the morphology and properties of nanocellulose (NC) extracted from corn husk. *Industrial Crops and Products*. 109: pp. 241–247.

