

DAFTAR PUSTAKA

- Ameilia, A., Rajfan, R., Aisha, N., & Aulia, S. (2021). Identifikasi Polimer Tekstil. *Jurnal Teknologi Rekayasa Proses*, 1:(September), 1–28.
- Amran, N. N. A., Manan, N. S. A., & Kadir, M. F. Z. (2016). The effect of LiCF₃SO₃ on the complexation with potato starch-chitosan blend polymer electrolytes. *Ionics*, 22(9), 1647–1658. <https://doi.org/10.1007/s11581-016-1684-3>
- Azizati, Z. (2019). Pembuatan dan Karakterisasi Kitosan Kulit Udang Galah. *Walisongo Journal of Chemistry*, 2(1), 10–16.
- Bakar, R. A., Yahya, R., & Gan, S. N. (2016). Production of High Purity Amorphous Silica from Rice Husk. *Procedia Chemistry*, 19, 189–195. <https://doi.org/10.1016/j.proche.2016.03.092>
- Berthomieu, C., & Hienerwadel, R. (2009). Fourier transform infrared (FTIR) spectroscopy. *Photosynthesis research*, 101(2-3), 157-170.
- Cameron, J. M., Bruno, C., Parachalil, D. R., Baker, M. J., Bonnier, F., Butler, H. J., & Byrne, H. J. (2020). Vibrational spectroscopic analysis and quantification of proteins in human blood plasma and serum. In *Vibrational Spectroscopy in Protein Research* (pp. 269-314). Academic Press.
- Dulur, N. W. D., Nasiruddin, M. H., Farida, N., Kusnarta, I. G. M., & Wangiyana, W. (2021). PENGARUH LIMBAH ORGANIK TERHADAP KADAR N, P DAN C TANAH SERTA KOMPONEN HASIL KACANG HIJAU TUGAL LANGSUNG PASCA PADI SISTEM IRIGASI AEROBIK. *AGROTEKSOS*, 31(2), 131-145.
- Fernandes, I. J., Calheiro, D., Sánchez, F. A. L., Camacho, A. L. D., De Campos Rocha, T. L. A., Moraes, C. A. M., & De Sousa, V. C. (2017). Characterization of silica produced from rice husk ash: Comparison of purification and processing methods. *Materials Research*, 20, 519–525. <https://doi.org/10.1590/1980-5373-mr-2016-1043>
- Goldstein, J. I., Newbury, D. E., Echlin, P., Joy, D. C., Lyman, C. E., Lifshin, E., Sawyer, L., & Michael, J. R. (2003). Special Topics in Scanning Electron Microscopy. *Scanning Electron Microscopy and X-Ray Microanalysis*, 195–270. https://doi.org/10.1007/978-1-4615-0215-9_5
- Görlich, E. (1982). The structure of SiO₂ - Current views. *Ceramics International*, 8(1), 3–16. [https://doi.org/10.1016/0272-8842\(82\)90009-8](https://doi.org/10.1016/0272-8842(82)90009-8)
- Hartanto, S., Handayani, S., Marlina, L., Silika, P., Membran, P., Berbasis, E., & Eter, P. (2018). Pengaruh Silika Pada Membran Elektrolit Berbasis Polieter Eter Keton. *Indonesian Journal of Materials Science*, 8(3), 205–208.
- Hidyat, S., Leonardo, C., Kartawidjaja, M., Alamsyah, W., & Rahayu, I. (2016). Sintesis Polianilin Dan Karakteristik Kinerjanya Sebagai Anoda Pada Sistem Baterai Asam Sulfat. *Jurnal Material Dan Energi Indonesia*, 6(01), 20–26. <http://jurnal.unpad.ac.id/jmei/article/view/9415>
- Isma, S. (2019). Karakteristik Fungsional dan Sifat Fisis Aspal Penambahan Silika Sekam Padi. *Jurnal Universitas Lampung*, 53(9), 1689–1699.

- Joshi, S., & Srivastava, R. K. (2016). Characterization and synthesis of chitosan-silica gel and chitosan-bentonite composites for adsorption of heavy metals. *Nature Environment and Pollution Technology*, 15(4), 1237–1240.
- Khairurrijal. (2020). Review: Karakterisasi Nanomaterial. *J. Nano Saintek*, 2(1), 1–9.
- Khuyen, N. Q., Zondaka, Z., Harjo, M., Torop, J., Tamm, T., & Kiefer, R. (2019). Comparative analysis of fluorinated anions for polypyrrole linear actuator electrolytes. *Polymers*, 11(5). <https://doi.org/10.3390/polym11050849>
- Kristianingrum, S. (2016). *Handout Spektroskopi Infra Merah*. 1(1), 1–15.
- Kumar, L. S., Selvin, P. C., & Selvasekarapandian, S. (2021). Impact of lithium triflate (LiCF₃SO₃) salt on tamarind seed polysaccharide-based natural solid polymer electrolyte for application in electrochemical device. *Polymer Bulletin*, 78(4), 1797–1819. <https://doi.org/10.1007/s00289-020-03185-5>
- López-García, J., Lehocký, M., Humpolíček, P., & Sába, P. (2014). HaCaT Keratinocytes Response on Antimicrobial Atelocollagen Substrates: Extent of Cytotoxicity, Cell Viability and Proliferation. *Journal of Functional Biomaterials*, 5(2), 43–57. <https://doi.org/10.3390/jfb5020043>
- Mahatmanti, W. J. A. (2021). DASAR ABU LAYANG BATU BARA DAN MINERAL. *PEMBUATAN MEMBRAN KERAMIK BERBAHAN DASAR ABU LAYANG BATU BARA DAN MINERAL DOLOMIT DENGAN METODE CO-SINTERING*. <https://doi.org/10.15294/pemanfaatansdaindonesia.v0i0.5>; 124-159
- Meilia, N. (2019). Penetapan Kadar Asam Mefenamot Dalam Tablet Dengan Metode Spektroskopi Ftir (Fourier Transform Infrared) Kombinasi Kemometrik. *Fakultas Farmasi UMP*. <http://repository.ump.ac.id/id/eprint/9347>
- Nasrazadani, S., & Hassani, S. (2016). Modern analytical techniques in failure analysis of aerospace, chemical, and oil and gas industries. In *Handbook of Materials Failure Analysis with Case Studies from the Oil and Gas Industry*. Elsevier Ltd. <https://doi.org/10.1016/B978-0-08-100117-2.00010-8>
- Novitasari, R., Gonggo, S. T., & Suherman. (2016). *PENGARUH SILIKA TERHADAP MEMBRAN BLEND KITOSAN- POLIVINIL ALKOHOL-LITIUM SEBAGAI MEMBRAN ELEKTROLIT BATERAI ION LITIUM*. 6(February), 55–64.
- Pangestica Saputry, A., Lestariningsihb, T., Astutia, Y., Soedarto, J., LIPI research center, S., Puspitek Serpong, K., & Selatan, T. (2019). Pengaruh Rasio LiB:TiO₂ dari Lembaran Polimer Elektrolit sebagai Pemisah terhadap Kinerja Elektrokimia Baterai Lithium-Ion Berbasis LTO. *Jurnal Kimia Sains Dan Aplikasi*, 22(4), 136–142.
- Pari, R. F., Mayangsari, D., & Hardiningtyas, S. D. (2022). Depolimerisasi Kitosan dari Cangkang Udang dengan Enzim Papain dan Iradiasi Sinar Ultraviolet. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 25(1), 118–131. <https://doi.org/10.17844/jphpi.v25i1.40311>
- Perdana, F. A. (2021). Baterai Lithium. *INKUIRI: Jurnal Pendidikan IPA*, 9(2), 113. <https://doi.org/10.20961/inkuiri.v9i2.50082>
- Pratiwi, D. E. (2018). Sintesis Membran Elektrolit Padat Berbahan Dasar Kitosan

- Synthesis of Chitosan-Based Solid Electrolyte Membrane. *Jurnal Sainsmat*, VII(2), 86–91.
- Purnawan, C., Martini, T., & Rini, I. P. (2018). Sintesis dan Karakterisasi Silika Abu Ampas Tebu Termodifikasi Arginin sebagai Adsorben Ion Logam Cu(II). *ALCHEMY Jurnal Penelitian Kimia*, 14(2), 333. <https://doi.org/10.20961/alchemistry.14.2.19512.334-349>
- Rahman, P. M., Mujeeb, V. M. A., Muraleedharan, K., & Thomas, S. K. (2018). Chitosan/nano ZnO composite films: Enhanced mechanical, antimicrobial and dielectric properties. *Arabian Journal of Chemistry*, 11(1), 120–127. <https://doi.org/10.1016/j.arabjc.2016.09.008>
- Rodi, I., Saaid, F., & Winie, T. (2017). PEMA - LiCF₃SO₃ polymer electrolytes: Assessment of conductivity and transport properties. *AIP Conference Proceedings*, 1877(September). <https://doi.org/10.1063/1.4999882>
- Sari, K. (2020). Polymer Electrolyte Membrane Of Chitosan Nanoparticle Based On Lithium Salt. *Universitas Gajah Mada*. <http://etd.repository.ugm.ac.id/>
- Sembiring, S., Simanjuntak, W., Manurung, P., Asmi, D., & Low, I. M. (2014). Synthesis and characterisation of gel-derived mullite precursors from rice husk silica. *Ceramics International*, 40(5), 7067–7072. <https://doi.org/10.1016/j.ceramint.2013.12.038>
- Soleh, M. (2014). Ekstraksi silika dari sekam padi dengan metode pelarutan dan pengendapan silika serta analisis edx dan fir mohamad soleh. *Institut Pertanian Bogor*, 37.
- Suhartati, T. (2017). Dasar-dasar spektrofotometri UV-Vis dan spektrometri massa untuk penentuan struktur senyawa organik.
- Syukri, I., Hindryawati, N., & S, R. R. D. julia N. (2017). Sintesis Silika dari Abu Sekam Padi Termodifikasi 2-Merkaptobenzotiazol untuk Adsorpsi Ion Logam Cd²⁺ dan Cr⁶⁺. *Jurnal Atomik*, 2(2), 221–226.
- Valencia, C., Valencia, C. H., Zuluaga, F., Valencia, M. E., Mina, J. H., & Grande-Tovar, C. D. (2018). Synthesis and application of scaffolds of chitosan-graphene oxide by the freeze-drying method for tissue regeneration. *Molecules*, 23(10), 2651.
- Wigayati, E. M., Purawiardi, I., & Sabrina, Q. (2018). Karakteristik Morfologi Permukaan Pada Polimer PVdF-LiBOB-ZrO₂ dan Potensinya untuk Elektrolit Baterai Litium. *Jurnal Kimia Dan Kemasan*, 40(1), 1. <https://doi.org/10.24817/jkk.v0i0.3028>
- Winter, A. (2005). *Organic chemistry I for dummies*. John Wiley & Sons.
- Yulianti, E., Ginting, J., & Sudaryanto. (2018). Pengaruh Penambahan Garam Garam Litium Terhadap Sifat Elektrolit Padat Polimer Berbasis Kitosan. *Jurnal Sains Materi Indonesia*, 16(3), 133–138.
- Zhang, W., Li, Q., Mao, Q., & He, G. (2019). Cross-linked chitosan microspheres: An efficient and eco-friendly adsorbent for iodide removal from waste water. *Carbohydrate Polymers*, 209, 215–222. <https://doi.org/10.1016/j.carbpol.2019.01.032>