

DAFTAR PUSTAKA

- Anggraeni, D.N. (2008), Analisa SEM (*Scanning Electron Microscopy*) dalam Pemantauan Proses Oksidasi Magnetite Menjadi Hematite, *Seminar Nasional – VII Rekayasa dan Aplikasi Teknik Mesin di Industri, ITENAS* : 50-56
- Arora, N. (2013), Recent Advances in Biosensors Technology: A Review, *Octa Journal of Biosciences*1 (2) : 147-150.
- Apetrei, R. M., Cârâc, G., Bahrim, G. E. (2015). Bioproduction and Relevance of Conducting Polymers : Polypyrrole, Innovative Romanian Food Biotechnology (17); 1 – 24.
- Astuti, A. (2016), Bab IV Karakterisasi Material, diunduh dari <https://www.researchgate.net/>
- Bratovic, A., Odobasic, A.S. (2009), The Advantages of the Use of Ion-Selective Potentiometry in Relation to UV/VIS Spectroscopy, <https://www.researchgate.net>.
- Corcuera, D.R.J. and Cavalieri, P.R. (2003), Biosensor, *Encyclopedia of Agricultural, Food, and Biological Engineering*.
- Crespo, G.A., Afshar, M.G., Barrabes, N., Pawlak, M. (2015), Characterization of Salophen Co(III) Acetate Ionophore for Nitrite Recognition, www.sciencedirect.com 16-27
- Erizal. (2005), Immobilisasi Antibiotik pada Matriks Hidrogel Poli (vinil alkohol) dengan Metode Induksi Iradiasi, *Prosiding Simposium Nasional Polimer VI*, BATAN, Jakarta.
- Fauziah, B. (2012), Optimasi Parameter Analitik Biosensor Urea Berbasis Immobilisasi Urease dalam Membran Polianilin, *Saintis*1 (1) : 65-72.
- Goncalves, A.M., Pedro, A.Q., Santos, F.M., Martins, L.M., Maia, C.J., Queiroz, J.A., Passarinha, L.A. (2014), Trends in Protein-Based Biosensor Assemblies for Drug Screening and Pharmaceutical Kinetic Studies, *Molecules*, www.mdpi.com/journal 19.
- Gorski, L., Klimaszewska, D., Pietrzak, M., Malinowska, E. (2007), Enzymatic Detection of Glucose using Fluoride-Selective Electrodes with Polymeric Membranes, *Anal Bional Chem, Springer*389 : 533-599
- Gupta, B., Singh, S., Mohan, S., and Prakash R. (2010), Urea Biosensor based on Conducting Polymer Transducers, *Biosensor, India, Intech*.

- Hakim, A., Tarigan, K., Sebayang, K., Sembiring, T., Sitomurang, M. (2017), The Characteristic Membrane PVA-Enzim and Coating PVC-Plastisizer with XRD, *The 4th Annual International Seminar on Trends in Science and Science Education State University of Medan* 32-40
- Hakim, A., Tarigan, K., Sebayang, K., Sembiring, T., Sitomurang, M. (2018), The Characteristic Membrane PVA-Enzim and Coating PVC-Plastisizer with SEM-EDX, *International Journal of Scientific & Engineering Research*, **9** (1) : 1229-1236.
- Hidayat, M.F., (2014). <http://eprints.polsri.ac.id>.
- Higgins, C., (2016), Urea and The Clinical Value of Measuring Blood Urea Concentration, <https://acutecaretesting.org/>
- Kale, P.D., Bodade, A.B., Chaudhari, G.N. (2016), Study of Immobilization of Urease on PVA-Nano NiFe₂O₄ Nanocomposite for Biosensor Application, *International Journal of Pharmacy and Pharmaceutical Science* **8** (7) : 380-385.
- Koyun, A., (2012), Biosensor and Their Principles, *A Roadmap of Biomedical Engineers and Millstone*, in Tech, Turkey.
- Leadbitter, J., Day, J.A, and Ryan J.L. (1994), PVC-Compounds, Processing and Application, RAPRA Review Reports, UK.
- Lee, J., Chang, H.T., An, H., Ahn, S., Shim, J., and Kim, J.M., A Protective Layer Approach to Solvatochromic Sensors, download from www.nature.com/naturecommunications
- Maiti, J. et al. (2012), Where do Poly(vinyl alcohol) based Membranes Stand in Relation to Nation for Direct Methanol Fuel Cell Applications ?, *Journal of Power Science*, **216** : 48-66.
- Mihali, C. and Vaum, N. (2013), Use of Plastisizers for Electrochemical Sensors, in Tech, Rumania.
- Othoman, A.M., Aly, M.S.S.E., El-Houseini, M., and Aboul-Enein, H.Y. (2011), Potentiometric Determination of α -L fucosidase enzyme by using 2-chloro-4-nitrophenol-rhodamine B ion pair Chemical Recognition in PVC Membrane Sensor, *Analytical and Bionalytical Chemistry*, **400** : 787-795.
- Rezayi, M., Heng, L.Y., Kassim, A., Ahmadzedah, S., Abdollahi, Y., Jahangirian, H. (2012), Immobilization of Ionophore and Surface Characterization Studies of the Titanium (III) Ion in a PVC-Membrane Sensor, **12** : 8806-8814 diunduh dari www.mdpi.com/journal/sensors.

Rezayi, M., Karazian, R., Abdollahi, Y., Narimani, L., Sany, S.B.T., Ahmadzedah, S., Alias, Y. (2014), Titanium (III) cation Selective Electrode Based on Synthesized tris (2pyridyl) methylamine ionophore and its application in water samples, diunduh dari www.nature.com/scientificreports, Malaysia.

Rivai, H. (1995), Asas Pemeriksaan Kimia, Universitas Indonesia, Jakarta.

Rohaeti, E. (2009), Karakterisasi Biodegradasi Polimer, *Prosiding Seminar Nasional Penelitian dan Penelraan MIPA, UNY*, 248-257.

Setiabudi, A., Hardian, R., Mudzakir, A. (2012), Karakterisasi Material, Prinsip dan Aplikasinya dalam Penelitian Kimia, Universitas Pendidikan Indonesia, ISBN : 979978435-2.

Setiawan, I. (2009), Buku Ajar Sensor dan Transduser, Universitas Diponegoro, Semarang.

Tamba, D. (2016), Immobilisasi Enzim Urease untuk Pembuatan Sensor Kimia dalam Penentuan Urea, Skripsi, FMIPA, UNIMED, Medan.

Yin, T. & Qin, W. (2013), Application of Nanomaterials in Potensiometric Sensors, *Trends in Analytical Chemistry*, **5** : 79-86.

Yulianti, E., Saputri R.D., Sudaryanto, Jodi, H., Salam, R. (2013). Pembuatan Bahan Polimer Elektrolit Padat Berbasis Nanokomposit Kitosan Montmorillonite untuk Aplikasi Baterai, *Jurnal Kimia Kemasan* **35** (2) : 77-83

Zhou, N., Chen, H., Li, J.H., Chen, L.X. (2013), Highly Sensitive and Selective Voltammetric Detection of Mercury(II) using An ITO Electrode Modified with 5-methyl-2-thiouracil, grapheme oxide and gold nanoparticles. *Microchim Acta*, **180** : 493-499.

THE
Character Building
UNIVERSITY