## DAFTAR PUSTAKA


Alqasaimeh, M., Heng, L.Y., Ahmad, M., Raj, A.S.S, and Ling, T.L., (2014), *Sensors*, 14-17.

Brett, C. M, and Brett, M. O., (1993), *Electrochemistry Principles, Methods and Applications*, Oxford University Press, New York.

Dahliani, R. A., (1995), *Pengaruh Hemodialisis Terhadap Kadar Ureum pada Penderita Gagal Ginjal di Bagian Instalasi Patologi Klinik Rumah Sakit Hasan Sadikin*, Bandung.

Day, R A, and Underwood, A L., (2002), *Analsis Kimia Kuantitatif Edisi Keenam*, Erlangga, Jakarta.

Eggins, B.R., (1999), *An Introduction to Biosensors*, Jhon Wiley and Sons, New York.

Emr, S.A, and Yacynyh, A.M., (1995), Use of Polymer Film in Amperometric Biosensors, *Electroaanalysis*, 7: 913-923.

Fauziyah, B., (2012), Optimasi Parameter Analitik Biosensor Urea Berbasis Imobilisasi Urease dalam Membran Polianilin, *Saintis*, 1(1).

Friedman, M, and Juneja, V K., (2014), *J Food Prot*, 77-81.

Ghupta, B., (2010) *Urea Biosensor based on Conducting Polymer Transducer, Biosensors*, Pier Andrea Serra, India, Intech.

Hall, E. A. H., (1990), *Biosensors*, Open University, Milton Keynes, Buckingham, British Library Cataloging in Publication Data.

Huang, C. P, Li, Y. K, and Chen, T. M., (2007), A highly sensitive system for urea detection by using CdSe/ZnS core-shell quantum dots, *Biosensors and Bioelectronics*, 22 : 1835-1838.

Jha, K., Topkar, A, and D'Souza, S.F., (2007), Development of Potentiometric Urea Biosensor based on Urease Ommobilized in PVA-PAA Composite Matrix for Estimation of Blood Urea Nitrogen (BUN), *Journal of Biochem and Biophys Methods*, 70 : 1145-1150.

Khairi., (2003), Pembuatan Biosensor Urea dengan Transduser Tembaga, *Jurnal Sains Kimia*, 7(2) : 40-43.

Khairi., (2005), Perbandingan Metode Potensiometri Menggunakan Biosensor Urea dengan Metode Spektrofotometri untuk Penentuan Urea, *Jurnal Sains Kimia*, 9(2) : 68-72.

Koyun, A., Ahlatcioglu, E., and Ipek, Y, K., (2001), *Biosensors and Their Principle*, In Tech, Turky.

Koyun, A., Koyun, A., Ahlatcioglu, E., and Ipek, Y.K., (2010), *Biosensors and Their Principles, A Roadmap of Biomedical Engineers and Milistone*, in Tech,Turkey.

Lasisi, T.J., Raji, Y.R, and Salako, B.L., (2016), *BMC Nephrology*, 17(10).

Manurung, R.V., (2012), Desain dan Fabrikasi Elektroda Biosensor : Metode Teknologi Film Tebal, *Jurnal Ilmiah Elite Elektro*, 3(1) : 65-70.

Mikkelsen, D.S.G. R.J, and D.E.Rolston., (1995), *Nitrogen Fertilization Practices of Lowland Rice Culture*. *In* P. E. Bacon (ed). *Nitrogen Fertilization in the Environment*, Marcel Dekker, Inc. New York.

Mulyasuryani, A., Roosdiana, A., dan Srihardyastuti, A., (2010), The Potentiometric Urea Biosensor Using Chitosan Membrane, *Indo J Chem*, **10(2)** : 162-166.

Murray, R.K., Granner, D.K., Mayes, P.A, and Rodwel, V.W., (2009), *Biokimia Harper*, 24th edition, EGC, Jakarta.

Rahim, A.F., (2013), *Modifikasi Elektroda Amonia dengan Ekstrak Enzim Urease dari Kedelai Hitam sebagai Biosensor Urea secara Potensiometri*., Skripsi, FST, Unair, Surabaya.

Rivai, H., (1995), *Asas Pemeriksaan Kimia*, Jakarta, UI Press.

Sihombing, E., Situmorang, M., Sembiring, T., dan Nasruddin., (2015), The Development Of Mercury Ion-Selective Electrode With Ionophore 7,16-Di-(2-methylquinolyl)-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane (DQDC), *Modern Applied Science*, 9(8) : 81-90.

Sihombing, K., Situmorang, M., dan Hutabarat, W., (2017), *Prosiding SEMIRATA 2017 Bidang MIPA, BKS PTN Wilayah Barat Jambi*, Ratu Convention Center, 12-14 Mei, 2017, pp. 1742-1748.

Sihombing, K., Tamba, M.C., Marbun, W.S and Situmorang, M., (2018), Urease Immobilized Potentiometric Biosensor For Determination Of Urea, *Indian Journal Of Chemistry*, 57A: 177-178

Sinaga, M., Sihombing, K., Saputra, A., Hakim, L., dan Situmorang, M., (2013), Rancang Bangun Biosensor Kimia Sebagai Instrumen Analisis Dalam Deteksi Spektroskopi Untuk Penentuan Pengawet Nitrit, *Jurnal Penelitian Saintika* 13(2): 126-135.

Situmorang, M., Alexander, P.W., and Hibbert, D.B., (1999), Flow injection potentiometry for enzymatic assay of cholesterol with a tungsten electrode sensor, *Talanta*, 49-52.

Situmorang, M., dan Nurwahyuni, I., (2009), Pengembangan Biosensor Elektrokimia Untuk Penentuan Glukosa di dalam Buah-Buahan, *Jurnal Penelitian Saintika*, 9(2) : 7-14.

Situmorang, M, J. Justin Gooding, D. Brynn Hibbert, and Donald Barnett., (2001), Development of Potentiometric Biosensors Using Electrodeposited Polytyramine as the Enzyme Immobilization Matrix, *Electroanalysis*, 13(18): 1469-1474.

Situmorang, M, Gooding, J.J, Hibbert, D.B, and Barnett, D., (2002), The Development of a Pyruvate Biosensor Using Electrodeposited Polytyramine *Electroanalysis*, 14 (1) : 17.

Situmorang, M., Purba, J., dan Nurwahyuni, I., (2004), Rancang Bangun Sensor Potensiometri dalam Sistem Flow Injeksi Analisis untuk Penentuan Timbal, *Prosiding Seminar Nasional dan Lokakarya Pengembangan MIPA Pontianak*.

Situmorang, M., (2010), *Kimia Analitik Lanjut dan Instrumentasi*, FMIPA UNIMED, Medan.

Situmorang, M., (2001), *Sintesa Ionofor Azacrown untuk Membran Elektroda Ion Selektif Penentuan Timbal*, FMIPA UNIMED, Medan.

Sihombing, K., dan Sinaga, M., (2016), *Pembuatan Eletroda Ion Selektif untuk Penetuan Urea (ISE-Urea)*, Laporan Kemajuan Penelitian, FMIPA UNIMED, Medan.

Situmorang, M., Simanjuntak E P, dan Silaen D., (2010), Pengembangan Metode Analisis Spektrofotometry Melalui Reaksi Enzimasi Untuk Penentuan Glukosa di dalam Buah-Buahan, *J Sain Indonesia*, 34(8): 8-14.

Wahab, W.A, dan Nafie, L.N., (2014), *Metode Pemisahan dan Pengukuran 2 (Elektrometri dan Spektrofotometri)*, FMIPA UNHAS, Makasar.

Wiliastuti, R.A., (2006), *Studi Penumbuhan Membran PVA (Polivinyl Alcohol) Dengan Variasi Konsentrasi PVA Menggunakan Metode Spin Coating Di Atas Lapisan Elektroda Platinum*, Skripsi, FMIPA UNS, Surakarta.