

DAFTAR PUSTAKA

- Alauhdin, M., dan N. Widiarti. (2014). Sintesis dan modifikasi lapis tipis kitosan-tripolifosfat. *Jurnal MIPA*, 37(1): 46-52.
- Angka S.L, MT Suhartono, (2000). *Biologi Hasil Laut*. Bogor: Pusat Pengkajian Sumber Daya dan Pesisir Lautan, IPB
- Basset, J., R. C. Denney, G. H. Jeffrey, J. Mendhom. (1994). *Buku Ajar Vogel Kimia Analisa Kuantitatif Anorganik*. Jakarta: EGC
- Bhumkar, D.R., and V. B. Pokharkar. (2006). Studies on Effect oh pH on Crosslinking of Chitosan with Sodium Tripolyphosphate: a Technical note. *Journal of The American Association of Pharmaceutical Sciencs.*, 7(2): 32-41
- Chan, C.C., H.L.Y.C. LEE, X. Zhang, (2004). *Analytical Method Validation and Instrumental Performer Verification*. Willey Intercine A. John Willy and Sons. Inc., Publication
- Chibata, I. (1979). Development of Enzyme Engineering Aplication of Immobilized Cell System. *Kemi-kemi*, 6 (12): 705-713.
- Collings, A., Carusa, F. (1997). Biosensor: Recent Advances. *Report on Progress and Applied Chemistry*. 60: 1397-1445.
- Daniel, R. T., Klara, T., Richard, A.D., George, S.W (1993). Electronical Biosensor. *A pure and Applied Chemistry*. 71: 2333.
- Dachriyanus, (2004). *Analisis Struktur Senyawa Organik Secara Spektroskopi*. Andalas University Press: Padang, Hal 1-2 dan 8-9.
- De Corcuera, J.I.R., and R.P. Cavalieri. (2003). Biosensors. *Encyclopedia of agricultural, food and biological engineering*. 199-123.
- Debataraja, A., N.F. Soelaiman, dan Hiskia (2011). Fabrikasi elektorda amperemetrik sensor dengan metode teknologi screen tension dan deflection thick film. *Jurnal Ilmiah Elite Elektro*, 2(1): 55-60.
- Doretto, L., Gattolin, A. Burla, D. Ferrara, S. Lora, and G. Palma (1998). Covalenty immobilied choline oxidase and chilinesterases on a methacrylate copolymer for disposable membrane biosensors. *Applied Biochemistry and Biotechnology*, 74(1): 1-12
- Dwijoseputro, D., (1992). *Pengantar Fiologi Tumbuhan*. Gramedia Pustaka Utama: Jakarta.
- Fardiaz. (1992). *Teknologi Fermentasi Produk Perikanan*. Bogor: PAU Pangan dan Gizi, IPB.

- Fatoni, A., A. Numnuam, P. Khanatharana, W. Limbut, C. ThamMakhet, P. Thavarungkul. (2013). A highly Stable Oxygen-Independent Glucose Biosensor Based on A Chitosan Albumin *Cryogel* Incorporated With Carbom Nanotubes and Ferrocene. *Sensor and Actuators, B.*, 185: 725-734.
- Fatoni, A., A. Numnuam, P. Khanatharana, W. Limbut, C. ThamMakhet, P. Thavarungkul. (2014). A Conductive Porous Structured Chitosan-grafted Polyaniline *Cryogel* for Use as A Sialic Acid Biosensor. *Electrochimica Acta*, 13:296-304
- Fauziyah, B. (2012). Optimasi Parameter Analitik Biosensor Urea Berbasis Amobilisasi Urease dalam Membran Proanilin. Malang: UIN Maulana Malik Ibrahim. *Sainstis*, 1(1):65-75.
- Frieder, W.S, A. Warsinke, F.F. Bier, U. Wollenberger, W. Jin, A Benkert, and D. Pfeiffer. (1997). International conference on solid-state. *Sensor and Actuators*, 2: 899-901
- Griffin, H. D. (2014). *Fungal Phycology*, New York: John Wiley and Sons, Inc
- Hartoto, L. (2008). Imobilisasi Enzim. *Jurnal Rekayasa Proses*, 5: 45-49
- Harper. 2003. *Harper's Biochemistry 25th Edition*. Jakarta: Buku Kedokteran EGC.
- Haryanto, E. Suhartini T., dan Rahayu. (2007). *Budidaya Kacang Panjang*. Penebar Swadaya. Jakarta.
- Huang, C.P., Li, Y.K. Chen, T.M. (2007). A Highly Sensitive System for Urea Detection by using CdSe/ZnS core-shell quantum dots, *Biosensor and Bioelectronics*. 22: 1835-1838.
- Hutapea, J. R. (1994). *Inventaris Tanaman Obat Indonesia III*. Badan Penelitian dan Pengembangan Kesehatan: Jakarta.
- Janata. (2009). *Principles of Chemical Sensor. Second Edition*. New York: Spinger Science.
- Kartasapoetra, A.G. (2003). *Teknologi Benih*. Jakarta: Rineka Cipta.
- Khairi. (2003). Pembuatan Biosensor Urease dengan Tranduser Tembaga. *Jurnal Sains Kimia*, 7: 40-43/#.
- Khairi. (2005). Perbandingan Metode Potensiometri Menggunakan Biosensor Urea dengan Metode Spektrofotometri untuk Penentuan Urea. *Jurnal Sains Kimia*, 9: 68-72.
- Kim. J. (2008). Chemosensitization Prevent Tolerance of *Aspergillus Fumigatus* to Antimycotic Drugs. *Biochemistry Biophysics Research Communications*, 372: 266
- Marchenko, S. V., Kucherenko, I. S., Hereshko, A. N., Panasiuk, I. V., Soldatkin, O. O., El'skaya, A. V., and Soldatkin, A. P. (2015). Application of Potentiometric Biosensor Based on Recombinant Urease for Urea

- Determination in Blood Serum and Hemodialyzate, *Sensor and Actuators B: Chemical*, 207: 981-986
- Marks, D. B., Allan D. Marks, Collen M. Smith. (2000). *Biokimia Kedokteran Dasar*. Jakarta: EGC.
- Miller, J.C., J.N. Miller. Alih Bahasa oleh Suroso. (1991). *Statistika untuk Kimia Analitik. Edisi Kedua*. Bandung: ITB
- Mulyasuryani, A., and Srihardiastutie, A. (2011). Conductrimetric Biosensor for the Detection of Uric Acid by Immobilization Uricase on Nata de Coco Membrane-Pt Electrode. *Analytical Chemistry Insight*, pp.6: 47-51.
- Panpae K., Wiyok N., dan Kanthiwivorn N. 2012. Development of urease imMobilization using poly(acrylonitrile)/chitosan composite materials. *Journal of Chemistry. Eng.* 6: 726-731.
- Poedjiadi A., dan Supriyanti F. M. T. 2006. *Dasar-Dasar Biokimia*. Jakarta: UI-Press.
- Rho, J. H. (1971). Direct Flourometric Determination of Urea in Urine. *Clinical Chemistry*, 18:5.
- Rukmana, R. (2003). *Bertanam Kacang Panjang*. Kanisius. Yogyakarta.
- Sakloetsakun, D., G. Perera, J. Hombach, G. Milloti and A. Bernkop-Schnürch. (2010). The Impact of Vehicles on The Mucoadhesive Properties of Orally Administrated Nanoparticles: A Case Study with Chitosan-4-thiobutylamidine conjugate. *Journal of The American Association of Pharmaceutial Sciens.* 11(3): 1185-1192.
- Samadi, B. (2003). *Usaha Tani Kacang Panjang*. Kanisius. Yogyakarta
- Shanmugam, S., Kumar, Sathish, T., dan Selvan, Panneer, K. (2010). *Laboratory Handbook on Biochemistry*, PHI Learning Privat Limited: New Delhi.
- Skoog. D. A., and D., M. West. (1971). *Principles of instrumental analysisi*. New York: Holt, Rinehart and Winston, Inc.
- Skoog. D. A., West. D. M., and Holler. F. J. (2004). *Fundamental of Analytical Chemistry 8th Edition*. USA: Thomson Learning Inc.
- Smith, J. E., (1990). *Prinsip Bioteknologi*. Jakarta: PT. Gramedia
- Suharsono, M. T. (1989). *Enzim dan Bioteknologi*. Departemen Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Antar Universitas Bioteknologi. Insititut Pertanian Bogor: Bogor.
- Sumardi. (2005). *Tinjauan Umum Validasi Metode Analisis*, Pusat Penelitian Kimia. LIPI. Bandung.
- Sumner, J.B. (1926). *Urease*. <http://britannica.com/eb/article-9074458/urease#74436.hook>

- Tsai, Y.C, J. D. Huang, and C. C, Chiu. (2007). Amperometric ethanol biosensor based on poly (viny alcohol)-multiwalled carbon nanotube-alcohol dehydrogenase biocomposite. *Biosensors and Bioelectronics*, 22(12): 3051-3056.
- Wang, J. (2008). Electrochemical glucose biosensors. *Chemical Review*, 108(2): 814-825
- Wang, S. and Uchiyama, S. (2013). Polymers for Biosensors Contruction. *Chemical Review*, 108(2): 814-825
- Yuan A. (2012). Neurofilament at Aglance. *Journal of Cell Science*, 125: 3257
- Zhang, X. M. (2004). *Analytical Method Validation and Instrument Performance Verification*. New Jerser: Wiley-interscience
- Zonia, L.E., Stebbins, N.E. and Polacco, J.C. (1995). Essential role of urease in germination of nitrogen-limited. *Arabidopsis thaliana* seeds. *Plant Physiology and Plant Molecular*. 107:1097-1103.
- Zusfahair, D.R., Ningsih, A. Fatoni and D.S., Pertiwi. (2017). Determination of Urease Biochemical Properties of Asparagus Bean (*Vigna unguiculata* Subsp. *sesquipedalis* (L.) Verdc). *The 12th Joint Conference on Chemistry (JCC-12)*. Semarang, Indonesia.
- Zusfahair, D.R., Ningsih, A. Fatoni dan Dania. (2017). Penentuan Sifat Biokimia. Enzim Urease dari Kacang Tolo (*Vigna Unguiculata* Subsp. *Unguiculata*. L.). *Seminar Nasional "Pengembangan Sumberdaya Perdesaan dan Kearifan Lokal BerkelanjutanVIF"*. LPPM Unsoed.
- Zusfahair, D.R., Ningsih, A. Fatoni dan D.S., Pertiwi. (2018). Pemurnian Parsial dan Karakterisasi urease dari biji kacang panjang (*Vigna unguiculata* Subsp. *sesquipedalis* (L.) Verdc. *Jurnal Alchemy*. Penelitian Kimia. 14(1): 72-83.