

DAFTAR PUSTAKA

- Achmadi, A & Narbuko, C. (2003). *Metodologi Penelitian*. Bumi Aksara. Jakarta.
- Adamson,A.W. (1990). *Physical Chemistry of Surface*,4th ed. New York : Jhon Wiley and Son.
- AOAC. (2005). *Official Methods of Analysis*. 15th ed. Association of Official Analytical Chemists. Washington, D.C.
- Aoi, K., Seki, T., Okada, M., Sato, H., Mizarani, S.S., & Ohtani ,H. (2000). Synthesis of a Novel N-Selective Ester Functionalized Chitin Derivative and Water-Soluble Carboxyethylchitin. *Macromolecular Chemistry and Physics*, 201(14), 1701-1708.
- Arifin, Z., Irawan, D., Rahim, M., & Ramantiya, F. (2012). Adsorpsi Zat Warna *Direct Black 38* Menggunakan Kitosan Berbasis Limbah Udang Delta Mahakam. *Jurnal Sains dan Teknik*, 6(1), 35-45.
- Bobu, E., Nicu R., Lupei M., Ciolacu, FL., & Desbrieres, J. (2011). Synthesis and Characterization of N-alkyl Chitosan for Papermaking Applications. *Cellulose Chemistry and Technology*, 45(9-10), 619-625.
- BPOM. (2013). *Batas Maksimum Penggunaan Bahan Tambahan Pangan Pewarna*. Badan Pengawas Obat dan Makanan Republik Indonesia. Jakarta.
- Breitmeier, E & Voelter, W. (2002). *Carbon-13 NMR Spectroscopy: High-Resolution Methods and Application in Organic Chemistry and Biochemistry*. VCH Publisher. Weinheim.
- Cervera, Fernandez, M., Heinamaki, J., Rasanen, M., Maunu, S.L., Karjalainen, M., & Yliruusi J. (2004). Solid-state Characterization of Chitosans Derived from Lobster Chitin. *Carbohydrate Polymers*, 58, 401–408.
- Chatwal, G. (1985). *Spectroscopy Atomic and Molecule*. Himalaya Publishing House: Bombay.
- Clifford, J. C., Olaf, A.R., & Campbell, M. (1982). *Analisis Spektrum Senyawa Organik*. Diterjemahkan oleh Kosasih Padmawinata. ITB. Bandung.
- Day, R & Underwood, A. (2002). *Analisis Kimia Kuantitatif Edisi Keenam*. Penerjemah: Sopyan Iis. Erlangga. Jakarta.

- Debrassi, A., Baccarin, T., Demarchi, C.A., Nedelko, N., Anna, S., Dluzeuski, P., Bilska, M., & Rodrigues, C.A. (2012). Adsorption of Remazol Red 198 Onto Magnetic N-Lauryl Chitosan Particles: Equilibrium, Kinetics, Reuse, and Factorial Design. *Environment Science Pollution Research*, 19, 1595-1604.
- Dotto, G.L., & Pinto, L.A.A. (2011). Adsorption of Food Dyes Acid Blue and Food Yellow 9 onto Chitosan: Stirring Rate Effect in Kinetics and Mechanism. *Journal of Hazardous Material*, 187 (16), 164-170.
- Dotto, G.L., Vieira & Pinto, L.A.A. (2012). Kinetics and Mechanism of Tartrazine Adsorption onto Chitin and Chitosan. *I and EC Research*, 51(10), 6862-6868.
- Ewing, G.W. (1975). *Instrumental Methods of Chemical Analysis*. Mc Graw Hill Book Company. Tokyo.
- Fessenden, R.J. and Fessenden, J.S. (1982). *Kimia Organik*, diterjemahkan oleh Pudjaatmakan, A. H., Edisi Ketiga, Jilid 1. Erlangga. Jakarta.
- Firmansyah, Mirzan, M., & Prismawiryanti. (2015). Aplikasi Fotokatalis TiO₂-Zeolit untuk Menurunkan Intensitas Zat warna Tartrazin secara Fotokatalitik. *Journal of Natural Science*, 4(1), 10-16.
- Gosho, H., Shimizu, H., Tanioka, A., Chou, T.J & Nakasima, T. (2000). Effect of Polymer Chain end on Sorption Isotherm of Water by Chitosan. *Carbohydrate Polymer*, 41(1), 80-87.
- Guibal, E., McCarrick, P., and Tobin, M.J. (2014). Comparison of the Sorption of Anionic Dyes on Activated Carbon and Chitosan Derivates from Dilute Solution. *Separation Science and Technology*, 38(12 and 13), 3049-3073.
- Hadi, A. (2009). *Prinsip Pengelolaan Pengambilan Sampel Lingkungan*. Gramedia. Jakarta.
- Hartanto. (1997). *Teknologi Tekstil*. Pradnya Pramita. Jakarta.
- Hendayana, S., Kadarohman, A.A., Sumarna, A.A., & Supriatna, A. (1994). *Kimia Analitik Instrumen*. IKIP Semarang Press. Semarang.
- Keenan, W.C. (1992). *Kimia untuk Universitas Jilid 1*. Erlangga. Jakarta.

- Khan, T. A., Peh, K. K. & Ch'ng, H. S. (2002). Reporting degree of deacetylation values of chitosan: the influence of analytical methods. *J Pharm Pharmaceut Sci*, 5(3), 205-212.
- Kurniasih, M., Setyaningtyas, T., Kartika, D., Badriyah, E.H., & Riyani, K. (2017). Adsorpsi Kolesterol Lemak Sapi dengan N-Metil Kitosan. *Jurnal Rekayasa Kimia dan Lingkungan*, 12(2), 102–110.
- Largula, M.C.T., Debrassi, A., dos Santos, H.H., Marques, A.T., & Rodrigues, C.A. (2010). Adsorption of Rhodamin B onto O-Carboxymethylchitosan-N-Lauryl. *Separation Science and Technology*, 45(10), 1490-1498.
- Ma, G., Yang, D., Zhou, Y., Xiao, M., Kennedy, J. F., and Nie, J. (2008). Preparation and Characterization of Water-soluble N-alkylated Chitosan. *Carbohydrate Polymer*, 1(74), 121-126.
- Mittal, A., Lisha, K., Jyoti, M. (2007). Freundlich and Langmuir Adsorption Isotherm and Kinetics for the Removal of Tartrazine from Aqueous Solution Using hen Feathers. *Journal of Hazardous Material*, 146(10), 243-248.
- Mobarak, N.N & Abdullah, Md.P. (2010). Synthesis and Characterization of Several Lauryl Chitosan Derivatives. *The Malaysian Journal of Analytical Science*, 14(2), 82-99.
- Morales, G.V., Sham, E.L., Carnejo, R & Farfan, T.E.M. (2012). Kinetics Studies of the Photocatalytic Degradation of Tartrazine. *Latin American Applied Research*, 42(1), 45-59.
- Mustika, M.W., Kurniaty, N., & Sukanta, H. (2012). Analisis Kadar Tartrazine dalam Minuman Ringan Tidak Berlabel pada Sekolah dasar di Bandung Menggunakan Metode Spektrofotometri UV-Vis. *Prosiding. Penelitian SPeSIA Bandung*.
- Ngah, W.S., Arif, N.F.M., & Hanafiah, M.A.K.M. (2010). Preparation, Characterization, and Enviromental Application of Crosslinked Chitosan-Coated Bentonite for Tartrazine Adsorption from Aqueous Solution. *Water Air Soil Pollution*, 206, 225-236.
- Patrulea, V., Negrulescu, A., Mincea, M. M., Pitulice, L. D., Bizerea Spiridon, O., & Ostafe, V. (2013). Optimization of the Removal of Copper(II) Ions from Aqueous Solution on Chitosan and Cross-Linked Chitosan Beads. *BioRes.*, 8(1), 1147-1165.

- Patrulea, V., Jordan, O., Ostafe, V., & Borchard, G. (2015). Optimized Synthesis of O-carboxymethyl-N,N,N-trimethyl Chitosan. *Carbohydrate Research*, 20(122), 46-52.
- Rizki, A.D. (2015). Isoterm Langmuir, Model Kinetika dan Penentuan Laju Reaksi, Adsorpsi Besi dengan Arang Aktif dari Ampas Kopi. *Skripsi*. Universitas Mulawarman.
- Sanjaya, A.I & Agustine, R.P. (2015). Studi Kinetika Adsorpsi Pb Menggunakan arang Aktif dari Kulit Pisang. *Konversi*, 4(1), 17-24.
- Santoso, I., Erdawati, & Sari, R.P. (2013). Adsorpsi Zat Warna Congo Red Menggunakan Kitosan-MMT dengan Metode Fixed Bed Coloumn. *Jurnal Riset Sains dan Kimia Terapan*, 3(2), 326-333.
- Saputro, A.N.C. & Mahardiani. (2011). Sintesis Senyawa Turunan Kitosan “Chitosan Modified Carboxymethyl (Cs-Mcm)” dan Aplikasinya sebagai Agen Perbaikan Mutu Kertas Daur Ulang. *Jurnal Ekosains*, 13(1), 47-54.
- Sashikala, S. and Shafi S. S. 2014. Synthesis and Characterization of Chitosan Schiff Base Derivatives. *Der Pharmacia Lettre*, 6(2), 90-97.
- Sejati, D.W. (2014). Adsorpsi Zat Warna Foron Yellow Menggunakan Kitosan dan Kitosan Batang Talas. *Skripsi*. Institut Pertanian Bogor. Bogor.
- Sugita, P., Nikmawahda, H.T., & Arifin, B. (2015). Synthesis and Characterization of N-alkylchitosan as well as its Potency as a Paper Coating Material. *Pelagia Research Library*, 6(2):141-149.
- Tanasale, M.F.J.D.P., Killay, A., & Laratmase, M.S. (2012). Kitosan dari Limbah Kulit Kepiting Rajungan (*Portunus sanginolentus* L.) sebagai Adsorben Zat Warna Biru Metilen. *Jurnal Natur Indonesia*, 14(2), 165-171.
- Tanasale, M.F.J.D.P., Tehubijuluw, H., & Sekewel, S.J. (2014). Aplikasi Kitosan Berderajat Deasetilasi Tinggi sebagai Adsorben Zat Warna Tartrazine. *Prosiding*. Uiversitas Pattimura.
- Wawrzkiewicz, M & Hubicki, Z. (2009). Removal of Tartrazine from Aqueous Solutions by Strongly Basic Polystyrene Anion Exchange Resins. *Journal of Hazardous Materials*. 164, 502–509.
- Yacob, N., Thalip, Mahmud, M., Sari, N.A.I.M., Samsudin, N.A., & Fabillah, N.A. (2013). *Determination of Viscosity Average Molecular Weight of*

Chitosan Using Intrinsic Viscosity Measurement. Malaysian Nuclear Agency. Kajang.

Yahdiana. (2011). Studi Degradasi Zat Warna Tekstil Congo Red dengan Metode Fotokatalitik Menggunakan Suspensi TiO₂. *Skripsi*. Universitas Indonesia

Zahiruddin, W., Ariesta, A. & Salamah, E. (2008). Karakterisasi Mutu dan Kelarutan Kitosan dari Ampas Silase Kepala Udang Windu (*Penaeus monodon*). *Jurnal Buletin Teknologi Hasil Perikanan*, 11(2), 140-151.

