

## DAFTAR PUSTAKA

- Arshady, A., dan Mosbach, K., 1981, Synthesis of Substrate-Selective Polymers by Host-Guest Polymerization, *Macromol. Chem.*, 182, 687-692.
- Bachrah M.S., 2007, *Computational Organic Chemistry*, John Wiley and Sons, New Jersey.
- Dong, C., Li, X., Guo, Z., Qi, J., 2009, Development of A Model for the Rational Design of Molecular Imprinted Polymer: Computational Approach for Combined Molecular Dynamics/Quantum Mechanics Calculations, *Anal. Chim. Acta*, 647, 117–124.
- Dirac P. A. M., 1930, On the Annihilation of Electron and Proton, *Proc. Cambridge Phil. Soc.*, 26, 376
- Ditchfield, R., Hehre, W. J. and Pople, J. A., 1971, Self-Consistent Molecular-Orbital Methods. IX. An Extended Gaussian-Type Basis for Molecular-Orbital Studies of Organic Molecules, *J. Chem. Phys.*, 54, 724–728.
- Essmann, U., Perera, L., Berkowitz, M. L., Darden, T., Lee, H., Pedersen, L. G., A., 1995, Smooth Particle Mesh Ewald Method, *J. Chem. Phys.*, 103, 8577-8593.
- Fu, Q., Sanbe, H., Kagawa, C., Kunimoto, K., Haginaka, J., 2003, Uniformly Sized Molecularly Imprinted Polymer For (S)-Nilvadipine Comparison Of Chiral Recognition Ability With HPLC Chiral Stationary Phases Based On A Protein, *Anal. Chem.*, 75, pp. 191–198.
- Humphrey, W., Dalke, A., and Schulten, K., 1996, VMD: Visual Molecular Dynamics, *J. Mol. Graph.*, 14, 33-38.
- Jeffrey, G. A., and Saenger, W., 1991, *Hydrogen Bonding in Biological Structures*, Springer-Verlag, New York.
- Jensen, F., 1999, *Introduction to Computational Chemistry*, John Wiley & Sons, New York.
- Karlsson, B.C.G., O'Mahony, J., Karlsson, J.G., Bengtsson, H., Eriksson, L.A., Nicholls, I.A., 2009, Structure and Dynamics of Monomer-Template Complexation: An Explanation for Molecularly Imprinted Polymer Recognition Site Heterogeneity, *J. Am. Chem. Soc.*, 131 (37), 13297-13304.
- Kohn, W., dan Sham, L. J., 1965, Self-Consistent Equations Including Exchange and Correlation Effects, *Phys. Rev.*, 140, A 1133-A 1138

- Larson, J. W., McMahon, T. B., 1984, Gas-Phase Bihalide And Pseudobihalide Ions. An Ion Cyclotron Resonance Determination Of Hydrogen Bond Energies in XHY- species (X, Y = F, Cl, Br, CN), *Inorganic Chemistry*, 23 (14): 2029–2033
- Liu X., Berezniak T., Panek J.J., Aneta J.M., 2012, Theoretical Study Of Zeatin – A Plant Hormone and Potential Drug For Neural diseases – On The Basis Of DFT, MP2 And Target Docking, *Chemical Physics Letters*, 5574, 140-144
- Löwdin P.O., 1986, A Method of Alternant Molecular Orbitals, *Int. J. Quant. Chem.*, S19, 19.
- Mader, S., 2010, *Biology*, McGrawHill, New York
- Morin J. dan Pelletier J.M., 2013, *Density Functional Theory Principles Application and Analysis*, Nova Publisher, New York.
- Nicholls, I.A., Chavan, S., Golker, K., Karlsson, B.C.G., Olsson., G.D., Rosengren A.M., Suriyanarayanan S., Wiklander J.G., 2015, Theoretical and Computational Strategies of The Molecular Imprinting Process and Polymer Performance, *Adv. Biochem. Eng. Biotechnol*, 150, 25-50.
- Norell, M.C., Andersson, H.S., Nicholls, I.A., 1998, Theophylline Molecularly Imprinted Polymer Dissociation Kinetics: A Novel Sustained Release Drug Dosage Mechanism, *J. Mol. Recogn.*, 11, 98–102.
- Parr R. G dan Yang W., 1989, *Density Functional Theory*, Oxford University Press, Oxford.
- Pietrzyk, A., Kutner, W., Chitta, R., Zandler, M., D'Souza, F., Sannicolo, F., Mussini, P., 2009, Melamine Acoustic Chemosensor Based on Molecularly Imprinted Polymer Film, *Anal. Chem.*, 81, pp. 10061–10070.
- Pouci F., Cirillo G. dan Curcio M., 2011, Molecularly Imprinted Polymers In Drug Delivery: State of Art and Future Perspectives, *Expert Opinion Drug Delivery*, 8, 1379-1393
- Riahi, S., Eynollahi, S., Ganjali, M.R., Norouzi, P., 2010, Computational Approach to Investigation of Template/Monomer Complex in Imprinted Polymers Dinitrobenzene Sensor, *Int. J. Electrochem. Sci.*, 5, 509–516
- Schwarz, L., Holdsworth, C., McCluskey, A., Bowyer, M., 2004, Synthesis And Evaluation of a Molecularly Imprinted Polymer Selective to 2,4,6-Trichlorophenol, *Aust. J. Chem.*, 57, pp. 759–764.
- Sellergen, B., 2001, *Molecularly Imprinted Polymers: Man-Made Mimics of Antibodies and Their Applications in Analytical Chemistry*, Elsevier, Amsterdam.

- Silva M. S. D. dan Casimiro, 2012, *High Affinity Polymers by Molecular Imprinting for Drug Delivery*, FCT-Lisbon, Caparica
- Song G., 2010, *Application of Plant Biotechnology-plant Tissue Culture*, Michigan State University, Michigan
- Tahir, I., Ahmad, M. N., Islam, A. K. M. S., Arbain, D., 2012, Molecular Modeling and Experimental Study on The Interaction Between Quercetin and Methacrylic Acid, *The 2nd International Malaysia-Ireland Joint Symposium on Engineering, Science and Business*, 1160–1168.
- Wang, J., Wolf, R. M., Caldwell, J. W., Kollman, P. A., Case, D. A., 2004, Development and Testing of a General AMBER Force Field, *J. Comput. Chem.*, 9, 1157-1174.
- Wulff, G. dan Sarhan, A., 1972, Use of Polymers with Enzyme-Analogous Structures for the Resolution of Racemates. *Angew. Chem. Int. Edt.*, 11, 341.
- Ye, B., 2013, *Molecular Imprinting Principles and Applications of Micro-and Nanostructured Polymers*, Taylor & Francis Group, Boca Rato.