

DAFTAR PUSTAKA

- Abdallah, M. 2004. Guar Gum as Corrosion Inhibitor for Carbon Steel in Sulfuric Acid Solutions. *Portugaliae Electrochimica Acta*. **22**: 161 – 175
- Abd El-Maksound, S.A. 2008. The effect of organic compound on the electrochemical behaviour of steel in acidic media. A review. *Int.J.Electrochem.Sci*. **3**: 528-555
- Abd El Rehim, S.S., Hassan, H.H and Amin, M.A. 2002. The Corrosion Inhibition Study of Sodium Dodecyl Benzene Sulphonate to Aluminium and its Alloys in 1,0 M HCl Solution. *Materials Chemistry and Physics*. **78**: 337 – 348
- Abiola, O.K., Oforka, N.C and Ebenso, E.E. 2004. The Inhibition of Mild Steel Corrosion in an Acidic Medium by Fruit Juice of Citrus Paradisi. *The Journal of Corrosion Science and Engineering*. **5**
- Adriana, Mudjijati, dan Hermawan. 2000. Pengaruh Penambahan Vitamin C, B₂ dan B₆ terhadap Laju Korosi Besi. *Prosiding Seminar Kimia Bersama ITB-UKM IV*. 148-154
- Aktas, Y., Andrieux, K., Alonso, M.J and Calvo, P. 2005. Preparation and in vitro evaluation of chitosan nanoparticles containing a caspase inhibitor. *International Journal of Pharmaceutics*. **298**: 378-383
- Al-Sehaibani , H. 2000. Evaluation of Extracts of Henna Leaves as Environmentally Friendly Corrosion Inhibitors for Logam. *Mat.-Wiss.u. Werkstofftech*. **31**: 1060-1063
- Amanto, H dan Daryanto. 1999. Ilmu Bahan. PT. Bumi Aksara. Jakarta
- Atkins, P.W. 1987. *Physical chemistry* (Terjemahan). Jilid 2, Cetakan pertama, Penerbit Erlangga. Jakarta.
- Bardan, E. 2003. corrosion and Protection. Springer-Verlag. London. Pp. 309
- Bouklah, M., Hammouti, B., Lagrenée, M., and Bentiss, F. 2006. Thermodynamic properties of 2,5-bis(4-methoxyphenyl)-1,3,4-oxadiazole as a corrosion inhibitor for mild steel in normal sulfuric acid medium, *Corrosion Science*. **48**: 2831-2842
- Branzoi, V., Golgovici, F and Branzoi, F. 2002. Aluminium Corrosion in Hydrochlorid acid Solutions and The Effect of some Organic Inhibitors. *Materials Chemistry and Physics*. **78**: 122 – 131
- Burke, A., Yilmaz, E dan Hasirci, N. 2000. Evaluation of Chitosan As a Potential Medical Iron (III) Ion Adsorbent. *Turki J.Med Sci*. **30**: 341-348
- Cheng, S., Chen, S., Liu, T., Cahang, X and Yin, Y. 2007. Carboxymethylchitosan as an ecofriendly inhibitor for mild steel in 1 M HCl. *Materials Letters*. **61**: 3276 – 3280
- Erna, M. 2003. Pembuatan dan Karakterisasi Membran Komposit kitosan-polisulfon. Laporan Penelitian Lembaga Penelitian Universitas Riau. 23 hal
- Fauda, A.S., El Desoky, A.M and El Serawy, A.A. 2005. Some Hydrazide Derivatives as Inhibitors for The Corrosion of Zink in Sodium Hydroxide Solution. *The Journal of Corrosion Science and Engineering*. **7**

- Feng, X., Huang, R.Y.M.** 1996. Pervaporation with Chitosan Membran. *J. Membran Science*. **16**: 67-76
- Fernandes-Kim, S.O.** 2004. Physicochemical and Functional Properties of Crawfish Chitosan as Affected by Different Processing Protocols. Thesis. The department of Food Science. Seoul National University
- Franco, L.O., Mala, R.A and Takaki, G.C.** 2004. Heavy Metal Biosorption by Chitin and Chitosan Isolated from *Cunninghamella Elegans*. *Brazilian Journal of Microbiology*. **35**: 243-247
- Free, M.L.** 2002. Understanding The effect of Surfactant Aggregation on Corrosion Inhibition of Mild Steel in Acidic Medium. *Corrosion Science*. **44**: 2865 – 2870
- Greenfield, D and Scantlebury, J.D.** The Protective Action of Organic Coatings on Steel: A Review. *Journal of Corrosion Science and Engineerin* **3**
- Hassanzadeh, A., Movassaghi, K and Sorkhabi, H.A.** 2004. Inhibitor Selection Based on Nachols Plot in Corrosion Studies. *Acta Chim.Slov.* **52**: 305 - 316
- Hosseini, M.A and Eftekhari, S.** Effect of Benzotriazole on Corrosion of Stainless Steel 302 in H_2SO_4 Solution
- James, A.O., Oforka, N.C and Abiola, O.K.** 2005. Inhibition of The Corrosion of Aluminium in Hydrochloric Acid Solution by Pyridoxal Hydrochloride. *Journal of Corrosion Science and Engineerin*. **7**
- Khan, T.A., Peh, K.K and 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
- Kim, D., Scantlebury, J.D and Lee, H.** Ac corrosion of mild steel in marine environments and the effects of cathodic protection. *Journal of Corrosion Science and Engineering*. **9**
- Ma, H., Chen, S and Liu, X.** 2003. Impedance Spectroscopy Study of Corrosion Inhibition of Copper by Surfactants in The acidic Solutions. *Corrosion Science*. **45**: 867 - 882
- Maayta, A.K.** Organic Corrosion Inhibitors for Aluminium in Sodium Hydroxide. *Journal of Corrosion Science and Engineering*. **3**
- Mima, S., Miya, M., Iwamoto, R., and Yoshikawa, S.** 1983. Highly Deacetylated Chitosan and Its Properties. *J. App.Polymer Science*. **28**: 1909-1917
- Mok, W.Y., Jenkins, A.E and Gambie, C.G.** Localised Corrosion and Inhibitor Selection. *Journal of Corrosion Science and Engineering*. **6**
- Morimoto, Minoru, Saimoto, Hiroyuki and Yoshihiro.** 2002. Control of Functions of Chitin and Chitosan by Chemical Modification. **14**: 205-222
- Osman, M.M., El-Ghazawy, R.A., and Al-Sabagh, A.M.** 2003. Corrosion inhibitor of some surfactants derived from maleic-oleic acid adduct on mild steel in 1 M H_2SO_4 . *J. Materials Chemistry and Physics*. **80**: 55-62
- Patru, A.S and Preda, M.** 2005. The Study of the Process of Corrosion Inhibition of Carbon Steel in a Solution of Ammonium Chloride by using N-Cyclohexylbenzothiazolsulphen-amida. *The Journal of Corrosion Science and Engineering*. **7**

- Prabaharan, M., Reis, R.L and Mano, J.F. 2007. Carboxymethyl chitosan-graft-phosphatidylethanolamine: Amphiphilic matrices for controlled drug delivery. *Reactive & Functional Polymers*. **67**: 43-52
- Salensky, G.A., Cobb, M.G and Everhart, D.S. 1986. Corrosion-Inhibitor Orientation on Steel. *Ind. Eng.Chem.Prod.Res.Dev.* **25**: 133-140
- Sathiyarayanan, S., Azim, S.S and Venkatachari, G. 2007. A New Corrosion Protection Coating with Polyaniline-TiO₂ Composite for Steel. *Electrochimica Acta*. : 2068 – 2074
- Sherif, E.M dan Park, S. 2006. Effects of 1,4-naphthoquinone on Aluminium Corrosion in 0,5 M Sodium Chloride Solution. *Electrochimica Acta*. **51**: 1313 - 1321
- Sugunan, A., Thanachayanont, C., Dutta, J and Hilborn, J.G. 2005. Heavy-metal ion sensors using chitosan-capped gold nanopartikels. *Science and Technology of Advanced Materials*. **6**: 335-340
- Supardi, R. 1997. Korosi. Edisi Pertama. Penerbit Tarsito. Bandung. 234 hal
- Taboada, E., Cabrera, G and Denas, G., 2003. Retention Capacity of Chitosan for Copper and Mercury Ions. *J. Chil.Chem.Soc.* **48**: No.1
- Takagi, I., Sasaki, T., Asahara, K., and Moriyama, H. 2004. Simulated Waste Glass Corrosion in Humic Acid Solution using Ruthrford Backscattering Spectrometry. *J. Of Nuclear Science and Technology*. **41**: 837-842
- Takasaki, K and Yamada, Y. 2006. Effects of Temperature and Aggressive Anions on Corrosion of Carbon Steel in Potable Water. *Corrosion Science*. **49**: 240-247
- Tang, Z.X., Qian, J.Q and Shi, L.U. 2007. Characterizations of immobilized neutral lipase on chitosan nano-particles. *Materials Letters*. **61**: 37 – 40
- Trethewey, K.R. 1991. Korosi (Terjemahan). PT. Gramedia Pustaka Ilmiah. Jakarta. 393 hal
- Tsuru, T., Yamazaki, T and Nishikata, A. 1999. Organic Coatings for Chatodic Protection in Atmospheric Condition. *Journal of Corrosion Science and Engineering*.
- Vincent, S.M and Okhio, C.B. 2005. Inhibiting Corrosion with Green Tea. *Journal of Corrosion Science and Engineering*. **7**
- Wei, Z., Duby, P and Somasundaran, P. 2003. Pitting Inhibition of Stainless Steel by Surfactants: an Electrochemical and Surface Chemical Approach. *Journal of Colloid and Interface Science*. **259**: 97 - 102
- Widharto, S. 2004. Karat dan Pencegahan. Penerbit PT. Pradnya Paramita. Jakarta. 180 hal
- Xue, X., Li, L and He, J. 2009. The Performance of Carboxymethyl Chitosan in Wash-off Reactive Dyeings. *Carbohydrate Polymer*. **75**: 203-207
- Zangmeister, R.A., Park, J.J and Tarlov, M.J. 2006. Electrochemical study of chitosan films deposited from solution at reducing potential. *Electrochimica Acta*. **51**: 5324-5333