

DAFTAR PUSTAKA

- Alfarisa, S., Rifai, D.A., Toruan, P.L., 2018, Studi Difraksi Sinar-X Struktur Nano Seng Oksida (ZnO), *Risalah Fisika*, Vol. 2, No. 2, hal. 53-57.
- Al-Mayouf, A.M., 1997, Corrosion of iron in aqueous solutions containing a chemical cleaning agent, *Desalination*, Vol. 114, No.1, hal. 29-36.
- Bulatovic, S. dan Salter, R.S., 1989, *Separation of polymetallic sulphides by froth flotation*, Paten Amerika Serikat, US4880529 A.
- Cotton, F.A. dan Wilkinson, G., 1989, *Kimia Anorganik Dasar*, (diterjemahkan oleh: Suharto, S.), Penerbit Universitas Indonesia, Jakarta.
- Dahlan, D., 2009, Electrodeposition of Cu₂O Particles by Using Electrolyte Solution Containing Glucopone as Surfactant, *Jurnal Ilmiah Fisika*, Vol. 1, No. 2, hal. 18-20.
- Ekanem, U.F., Umoren, S.A., Udousoro, I.I., Udoh, A.P., 2010, Inhibition of Mild Steel Corrosion in HCL Using Pineapple Leaves (*Ananas comosus L.*) Extract, *Journal of Materials Science*, Vol. 45, No. 20, hal. 5558-5566.
- Food and Agriculture Organization of the United Nations, 2007, *The World's Mangroves 1980-2005*, Food and Agriculture Organization of the United Nations, Roma.
- Fultz, B., dan Howe, J.M., 2001, *Transmission Electron Microscopy and Diffractometry of Materials*, Springer-Verlag, Berlin.
- Gambier, F., Shah, A.M., Hussin, M.H., Ibrahim, M.N.M., Rahim, A.A., Brosse, N., 2018, Condensed Tannins from Mangrove and Grape Pomace as Renewable Corrosion Inhibitors and Wood Adhesive, *Journal of Advanced Chemical Engineering*, Vol. 8, No. 1, hal. 1-8.
- Harborne, J., 1996, *Metode Fitokimia : Penuntun Cara Modern Menganalisis Tumbuhan*. Edisi Kedua. (diterjemahkan oleh: Padmawinata, K. dan Soediro, I.), Penerbit Institut Teknologi Bandung, Bandung.
- Haryono, G., Sugiarto, B., Farid, H., Tanoto, Y., 2010, Ekstrak Bahan Alam sebagai Inhibitor Korosi, *Prosiding Seminar Nasional Teknik Kimia "Kejuangan"*, Yogyakarta.
- Hostettmann, K., Hostettmann, M., Marston, A., 1985, *Cara Kromatografi Preparatif : Penggunaan pada Isolasi Senyawa Alam*. (diterjemahkan oleh: Padmawinata, K.), Penerbit Institut Teknologi Bandung, Bandung.

- Kelly, D.W., Paul, S.N., Waller, J.E., 1998, *Method for flocculating and removing solids suspended in water*. Paten Amerika Serikat, US4781839 A.
- Lebrini, M., Robert, F., Ross, C., 2011, Alkaloids Extract from *Palicourea guianensis* Plant as Corrosion of C38 Steel in 1 M Hydrochloric Acid Medium, *International Journal of Electrochemical Science*, Vol. 6, No. 3, hal. 5357-5371.
- Loto, C.A., 2011, Inhibition Effect of Tea (*Camellia Sinensis*) Extract on the Corrosion of Mild Steel in Dilute Sulphuric Acid, *Journal of Materials and Environmental Science*, Vol. 2, No. 4, hal. 335-344.
- Mahaputri, S.A., 2018, Pemanfaatan Ekstrak Kulit Buah Kakao (*Theobroma Cacao*) sebagai Inhibitor Korosi pada Elektrodposisi Lapisan Baja, *Tesis*, Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Andalas, Padang.
- Matamala, G., Smeltzer, W., Droguett, G., 1994, Use of Tannin Anticorrosive Reaction Primer to Improve Traditional Coating Systems. *Corrosion*, Vol. 50, No. 4, hal. 270-275.
- Mulyadi, E., Fitriani, N., 2010, Konservasi Hutan Mangrove sebagai Ekowisata, *Jurnal Ilmiah Teknik Lingkungan*, Vol. 2, No. 1, hal. 11-18.
- Obot, I.B., Umoren, S.A., Obi-Egbedi, N.O., 2011, Corrosion Inhibition and Adsorption Behaviour for Aluminium by extract of *Aningeria robusta* in HCL solution: Synergistic Effect of Iodide Ions, *Journal of Materials and Environmental Science*, Vol. 2, No. 1, hal. 60-71.
- Oldham, K.B., Myland, J.C., Bond, A.M., 2011, *Electrochemical Science and Thegnology: Fundamentals and Applications 1st Edition*, John Wiley & Sons, Inc, New York.
- Papavinasam, S., 2000, Evaluation and Selection of Corrosion Inhibitor, *Uhlig's Corrosion Handbook*, Edisi Kedua, John Wiley & Sons, Inc, hal. 1169-1178.
- Rahim, A.A., 2005, Physico-Chemical Characterisation of Mangrove Tannins as Corrosion Inhibitors, *Disertasi*, School of Chemical Sciences Universiti Sains Malaysia, George Town.
- Rahim, A.A., Rocca, E., Steinmetz, J., Kassim, M.J., Ibrahim, M.S., Osman, H., 2008, Antioxidant Activitiest of Mangrove *Rhizopora apiculata* Bark Extracts, *Food Chemistry*, Vol. 107, No. 1, hal. 200-207.
- Rozenfeld, I.L., 1981, *Corrosion Inhibitor*, McGraw-Hill, New York.
- Sastri, V.S., 2011, *Green Corrosion Inhibitor: Theory and Practice*, John Wiley & Sons, Inc, New Jersey.

- Singh, A., Singh, V.K., Quraishi, M.A., 2010, Aquos Extract of Kalmegh (*Andrographis paniculata*) Leaves as Green Inhibitor for Mild Steel in Hydrochloric Acid Solution, *International Journal of Corrosion*, Vol. 2010, No.1, hal. 1-10.
- Singh, I.B., Singh, M., Das, S., 2015, A comparative corrosion behavior of Mg, AZ31 and AZ91 alloys in 3.5% NaCl solution, *Journal of Magnesium and Alloys*, Vol. 3, No. 2, hal. 142-148.
- Syahmala, M. dan Arulanantham, A., 2009, Corrosion Inhibition Effect of *Centella asiatica* (Vallarai) on Mild Steel in Hydrochloric Acid, *Asian Journal of Chemistry*, Vol. 21, No. 8, hal. 6102-6110.
- Tems, R. dan Al-Zahrani, A.M., 2006, Cost of Corrosion in Oil Production and Refining, *Saudi Aramco Journal of Technology*, hal. 2-14.
- Trethewey, K.R. dan Chamberlain, J., 1991. *Korosi : untuk Mahasiswa Sains dan Rekayasa*, (diterjemahkan oleh: Widodo, T.K.), PT. Gramedia Pustaka Utama, Jakarta..
- Van Vlack, L.H., 1991, *Ilmu dan Teknologi Bahan*, Edisi Kelima, (diterjemahkan oleh: Djaprie, S.), Erlangga, Jakarta.
- Yetri, Y., 2015, Inhibisi Korosi dan Pemulihan Sifat Mekanik Baja Lunak Menggunakan Ekstrak Kulit Buah Kakao (*Theobroma cacao*) dalam Media Asam, *Disertasi*, Program Doktor Ilmu Kimia Fakultas MIPA, Universitas Andalas, Padang.
- Yetri, Y., Emriadi, Jamarun, N., Gunawarman, 2016, Corrosion Behavior of Environmental Friendly Inhibitor of Theobroma Cacao Peels Extract for Mild Steel in NaCl 1.5 M, *Environment Asia*, Vol. 9, No. 1, hal. 45-59.
- Bitao's Research Group, 2009, Copper (II) Sulfate, http://snst-hu.lzu.edu.cn/zhangyi/ndata/Copper%28II%29_sulfate.html, diakses 25 Maret 2019.
- BPMPK-KEMDIKBUD, 2016, Prinsip Kerja Elektrolisis, <https://m-edukasi.kemdikbud.go.id/medukasi/produk-files/kontenkm/km2016/KM201612/media/anim/Hal-4-No.03.gif>, diakses 27 Juni 2019.
- The Science Education Research Center at Carleton College, 2007, Scanning Electron Microscopy (SEM), https://serc.carleton.edu/research_education/geochemsheets/techniques/SEM.html, diakses 20 Desember 2019.

The Science Education Research Center at Carleton College, 2007, Single-Crystal X-Ray Diffraction, https://serc.carleton.edu/research_education/geochemsheets/techniques/SXD.html, diakses 26 Maret 2019.

University of Cambridge Homepage, 2019, The Electrical Double Layer, <https://www.ceb.cam.ac.uk/research/groups/rg-eme/Edu/the-electrical-double-layer>, diakses September 2019

