

DAFTAR PUSTAKA

- Abdel-Gader, A., Khamis, E., Abo-EIDabah, H., & Adesi, S. (2008). Inhibition of aluminum corrosion in alkaline solutions using natural compound. *Materials Chemistry and Physics*, 109, 297 - 305.
- Al-Sabagh, A. M., Migahed, M. A., Gad, E. S., Halawa, A. H., & EL-Bary, H. M. (2015). Synthesis of Some Novel Surfactants Based On Di-Oleamide and Evaluation of Their Performance as Corrosion Inhibitors for X-70 Under sweet and Sour conditions. (*IJSR*); 4(5), 1035-1050.
- ASTM. (1999). Standard Practices for Laboratory Immersion Corrosion Testing of Metals. G5 -94.
- Ayello, F., Robbins, W., Richter, S., & Nešić, S. (2009). CRUDE OIL CHEMISTRY EFFECTS ON INHIBITION OF CORROSION AND PHASE WETTING. *International Corrosion Congress*; 171(3149), 1-19.
- Bentiss, F., Lebrini, M., & Lagrenée, M. (2005). Thermodynamic characterization of metal dissolution and inhibitor adsorption processes in mild steel/2,5-bis(n-thienyl)-1,3,4-thiadiazoles/hydrochloric acid system. *Corrosion Science*, 47(12), 2915-2931.
- Byrne, J. T., Larsen, M. K., & Pflug, a. J. (1959). Mass Spectrometric Analisys of Aliphatic Amides. *Anal. Chem.*, 31 (5), 935–939.
- Camilla, G., Dariva, & Galio, A. (2014). Corrosion inhibitors - Principles, Mechanisms and Applications. 366-380.
- Cartledge, G.H. (1966). The Mechanism of The Action of Inorganic Inhibitors. *Brit. Corros. J.*, 1, 293-302
- Dada, A., Olalekan, A., Okatunya, A., & Dada, O. (2012). Langmuir, Freundlich, Temkin and Dubilin-Radushkevich Isoterms Studies of Equilibrium Sorption of Zn²⁺ Unto Phosphoric Acid Modified Rice Husk. *Journal of Applied Chemistry*, 3, 38-45.
- Dass, C. (2007). *Fundamentals of contemporary mass spectrometry*. Hoboken, NJ: Wiley.
- Dwivedi, D., Lepková, K., & Becker, T. (2017). Carbon steel corrosion: a review of key surface properties and characterization methods. *RSC. Adv.* 7, 4580–4610.
- Edrissi, M., Falamaki, C., & Moradi, F. (2009). N, N-bis-(2-hydroxyethyl) oleamide: synthesis, kinetic study and yield optimization. *Tenside Surfact. Det.* 46 , 118-121.

- Elaia, H., Elsousy, K., & Hartany, K. (2011). Kinetics, Equilibrium, and Isoterm of the Adsorption of Cyanide by MDFSD. *Arabian Journal of Chemistry*, 1-6.
- El-Etre, A. Y., Wanees, S. A., Hamid, Z. A., & Fareed, M. (2015). Comparison of the corrosion inhibition by drugs for the corrosion of Nickel in hydrochloric acid. *Journal of American Science*;11(2), 20-27.
- Finšgar, M., & Jackson, J. (2014). Application of corrosion inhibitors for steels in acidic media for the oil and gas industry: A review. *Corros. Sci.* 86, 17-41.
- Fontana, M. (1987). *Corrosion Engineering* (3rd.ed). New York: McGraw Hill.
- Gobara, M., Zaghloul, B., Baraka, A., Elsayed, M., Zorainy, M., Kotb, M. M., et al. (2017). Green corrosion inhibition of mild steel to aqueous sulfuric acid by the extract of Corchorus olitorius stems. *Mater. Res. Express* 4, 1-13.
- Hegazy, M. A., Badawi, A. M., Abd El Rehim, S. S., & Kamel, W. M. (2013). Corrosion inhibition of carbon steel using novel N-(2-(2-mercaptoacetoxy)ethyl)- N,N-dimethyl dodecan-1-aminium bromide during acid pickling. *Corros. Sci.* 69, 110-122.
- Hermawan, & Beni. (2014, Mei 22). *Ekstrak Bahan Alam sebagai Alternatif Inhibitor Korosi*. Retrieved from http://www.chem-is-try.org/artikel_kimia/berita /ekstrak_bahan_ alam_ sebagai alternatif_inhibitor_korosi/
- Hussin, M., & Kassim, M. (2011). The Corrosion Inhibition and Adsorption Behavior of Uncaria gambir extract on Mild Steel in 1 M HCl. *Material Chemistry & Physics*, 125, 461-468.
- JJones, D. (1996). *Principles and Prevention of Corrosion* (2nd. ed.). Upper Saddle River, NJ: Prentice Hall.
- Juhanda, S. (1992). Bentuk-bentuk korosi. In Tim-Laboratorium-Termodinamika, *APLIKASI PRINSIP-PRINSIP KIMIA FISIKA DALAM PROSES KOROSI LOGAM DAN PENGENDALIANNYA* (pp. 2 - 17). Bandung: Institut Teknologi Bandung.
- Kadu, Kulkarni, & Tapre. (2011). Kinetic of Esterification of p-tert. butyl Cyclohexanol with Acetic Acid Over Ion Excange Resin Catalyst. *Institute of Technology, Nirma University*, 382-481.
- Ketis, Wahyunigrum, Achmad, Bundjali. (2010). Efektivitas Asam Glutamat Sebagai Inhibitor Korosi Baja Karbon dalam Larutan NaCl 1%. *Jurnal Matematika & Sains*, 15(1), 1-8

- Li, X., Deng, S., & Fu, H. (2010). Inhibition of Jasminum nudiflorum Lindi. leaves extract of the corrosion of cold rolled steel in hydrochloric acid solution. *J. Appl. Electrochem.*, 40, 1641 - 1649.
- Metal Samples Company. (2016). *Corrosion Coupons & Weight Loss Analysis*. Munford: Alabama Speciality Products, Inc.
- McLafferty, F. W. (1959). Mass Spectrometric Analysis. Molecular Rearrangements. *Anal. Chem.* 31 (1), 82–87.
- Mejeha, I., Uroh, A., Okeoma, K., & Atozie, G. (2010). The inhibitive effect of Solanum melongena L. leaf extract on the corrosion of aluminum in tetraoxosulphate (VI) acid. *African Journal of Pure and Applied Chemistry*, 4, 158 - 165.
- Naeem, S., & Zafar, U. (2009). *Pak. J. Anal. Environ. Chem.*, 10, 1-2.
- Oguzie, E. E., Njoku, V. O., Enenebeaku, C. K., Akalezi, C. O., & Obi, C. (2008). Effect of hexamethylpararosaniline chloride (crystal violet) on mild steel corrosion in acidic media. *Corrosion Science*, 50(12), 3480 - 3486.
- Pavia, Lampman, & Kriz. (2001). *Introduction to Spectroscopy; Third edition*. USA: Thompson Learning, Inc.
- Premaratne, W., Priyadarshana, G., Gunawardena, S., & Alwis, A. d. (2013). Synthesis of Nanosilica from Paddy Husk Ash and Their Surface Functionalization. *J. Sci. Univ. Kelamiya* 8, 33-48.
- Raja, P., & Sethuraman, M. (2008). Natural products as corrosion inhibitor for metals in corrosive media - a review. *Materials Letters*, 113 - 116.
- Ricker, R., Stoudt, M.R., Dante, J.F., Fink, J.L., Beauchamp, C.R., Moffat, T.P. (1994). Corrosion of Metals. Gaithersburg: Nat. Institute Strds. Technology (U.S.).
- Roberge, P. (2000). *Handbook of Corrosion Engineering*. New York: McGraw. Hill.
- Roy, P., Pal, A., & Sukul, D. (2014). Origin of the synergistic effect between polysaccharide and thiourea towards adsorption and corrosion inhibition for mild steel in sulphuric acid. *RSC Advances*, 4(21), 10607-10613.
- Sembiring, S. O. (2013). *Sintesa dan Karakterisasi Beberapa Senyawa Alkanolamida Turunan Asam Oleat; Skripsi*. Medan: FPMIPA USU.
- Setiabudi, A., Hardian, R., & Mudzakir, A. (2012). *Karakterisasi Material; Prinsip dan Aplikasinya dalam Penelitian Kimia*. Bandung: Upi Press.

- Sorkhabi, H., Seifzadeh, D., & Hosseini, M. (2008). EIS and polarization studies to evaluate the inhibition effect of 3H-phenothiazin-3-one, 7-dimethylamin on mild steel corrosion in 1M HCl solution. *Corros. Sci.* 50, 3363-3370.
- Swastik Pipes Limited. (2008). Mechanical and Chemical Properties of API 5L-2008.
- Tempkin, M., & Pyzhev, V. (1940). Kinetics of ammonia synthesis on promoted iron catalyst. *Acta Phys. Chim.* 12, 327-356.
- Uhlig, H. (1971). *Corrosion and Corrosion Control – An Introduction To Corrosion Science and Engineering*. New York: John Wiley & Sons.
- Uhlig, H. (2000). *Uhlig's Corrosion Handbook (2nd. ed)*. New York: Willey & Sons, Inc.
- Umoren, S. A., Obot, I. B., Madhankumar, A., & Gasem, Z. M. (2015). Performance evaluation of pectin as ecofriendly corrosion inhibitor for X60 pipeline steel in acid medium: Experimental and theoretical approaches. *Carbohydrates Polymer*, 1-43.
- Umoren, S., & Obot, I. (2014). Synergistic inhibition between 1-octadecanethiol and iodide ions on X60 pipeline steel for corrosion protection. *Journal of Adhesion Science and Technology*; 28 (20), 2054-2068.
- Umoren, S., Gasem, Z. M., & Obot, I. B. (2013). Natural products for material protection: Inhibition of mild steel corrosion by date palm seed extracts in acidic media. *Industrial and Engineering Chemistry Research*, 52(42), 14855 - 14865.
- Valladares-Cisneros, M. G., Esquivel-Rojas, A., Salinas-Bravo, V., & Gonzalez-Rodríguez, J. G. (2016). Use of Cynara scolymus as Green Corrosion Inhibitor for Carbon Steel in Sulfuric Acid. *Int. J. Electrochem. Sci.*, 11, 8067 – 8081.
- Vermeulan, T., Vermeulan, K., & Hall, L. (1966). Fundamental. *Ind. Eng. Chem*, 5, 212-233.
- Xu, B., Yang, W., Liu, Y., Yin, X., Gong, W., & Chen, Y. (2014). Experimental and theoretical evaluation of two pyridinecarboxaldehyde thiosemicarbazone compounds as corrosion inhibitors for mild steel in hydrochloric acid solution. *Corros. Sci.* 78, 260-268.
- Yıldırım, A., & Cetin, M. (2008). Synthesis and evaluation of new long alkyl side chain acetamide, isoxazolidine and isoxazoline derivatives as corrosion inhibitors. *Corrosion Science* 50, 155-165.
- Zarrok, H., Zarrouk, A., Hammouti, B., Salghi, R., Jama, C., & Bentiss, F. (2012). *Corros. Sci.* 64, 243-252.