

## DAFTAR PUSTAKA

- Al-Otaibi, M. S., Al-Mayouf, A. M., Khan, M., Mousa, A. A., Al-Mazroa, S. A., & Alkhathlan, H. Z. (2014). Corrosion inhibitory action of some plant extracts on the corrosion of mild steel in acidic media. *Arabian Journal of Chemistry*, 7(3), 340–346.
- Al Hamzi, A. H., Zarrok, H., Zarrouk, A., Salghi, R., Hammouti, B., Al-Deyab, S. S., Guenoun, F. (2013). The role of acridin-9(10H)-one in the inhibition of carbon steel corrosion: Thermodynamic, electrochemical and dft studies. *International Journal of Electrochemical Science*, 8(2), 2586–2605.
- Alaneme, K. K., Olusegun, S. J., & Alo, A. W. (2016). Corrosion inhibitory properties of elephant grass (*Pennisetum purpureum*) extract: Effect on mild steel corrosion in 1 M HCl solution. *Alexandria Engineering Journal*, 55(2), 1069–1076.
- Ali, A. I., & Mahrous, Y. S. (2017). Corrosion inhibition of C-steel in acidic media from fruiting bodies of: *Melia azedarach* L extract and a synergistic Ni<sup>2+</sup>+additive. *RSC Advances*, 7(38), 23687–23698.
- Asmara, Y. P., Kurniawan, T., Sutjipto, A. G. E., & Jafar, J. (2018). Application of plants extracts as green corrosion inhibitors for steel in concrete - A review. *Indonesian Journal of Science and Technology*, 3(2), 158–170.
- Bright, A., Maragatham S, M. R., VizhiI, M., Kalirajan, K., & Selvara, J. (2015). *Solanum Torvum* Fruits Extract as an Eco-Friendly Inhibitor on Copper in Acid Medium. *Research Journal of Chemical Sciences*, 5(11), 31–39.
- Clemente, E., Rodriguez, J. G., & Cisneros, M. G. (2014). Allium sativum as Corrosion Inhibitor for Carbon Steel in Sulfuric Acid. *Int. J. Electrochem. Sci*, 9(9), 5924–5936.
- Devikala, S., Kamaraj, P., Arthanareeswari, M., & Pavithra, S. (2019). Green Corrosion inhibition of mild steel by *asafotida* extract extract in 3.5% NaCl. *Materials Today: Proceedings*, 14, 590–601.
- Eduok, U. M., Umoren, S. A., & Udoh, A. P. (2012). Synergistic inhibition effects between leaves and stem extracts of *Sida acuta* and iodide ion for mild steel corrosion in 1M H<sub>2</sub>SO<sub>4</sub> solutions. *Arabian Journal of Chemistry*, 5(3), 325–337.
- Efdi, M., Ninomiya, M., Suryani, E., Tanaka, K., Ibrahim, S., Watanabe, K., & Koketsu, M. (2012). Sentulic acid: A cytotoxic ring A-seco triterpenoid from *Sandoricum koetjape* Merr. *Bioorganic and Medicinal Chemistry Letters*, 22(13), 4242–4245.
- El-Katori, E. E., Fouada, A. S., & Mohamed, R. R. (2020). Synergistic corrosion inhibition activity of the *chicoriumintybus* extract and iodide ions for mild steel in acidic media. *Journal of the Chilean Chemical Society*, 65(1), 4672–4681.

- Emriadi. (2006). *Kimia Koloid dan Permukaan*. Padang: Andalas University Press.2-14p.
- Emriadi, Santoni, A., & Stiadi, Y. (2016). Adsorptive and thermodynamic properties of methanol extract of *Toona sinensis* leaves for the corrosion of mild steel in HCl medium. *Der Pharma Chemica*, 8(18), 266–273.
- Emriadi, Yulistia, V., & Aziz, H. (2018). Corrosion Inhibition of Mild Steel in Hydrochloric Acid Solution by *Gnetum gnemon* L Peel Extract as Green Inhibitor, 10(10), 79–85.
- Erna, Maria, Emriadi, Alif, Admin dan Arief, S. (2011). Karboksimetil Kitosan sebagai Inhibitor Korosi pada Baja Lunak dalam Media Air Gambut. *Jurnal Matematika Dan Sains*, 1(1), 1–11.
- Farag, A. A., & Hegazy, M. A. (2013). Synergistic inhibition effect of potassium iodide and novel Schiff bases on X65 steel corrosion in 0.5M H<sub>2</sub>SO<sub>4</sub>. *Corrosion Science*, 74, 168–177.
- Hamzah, F. N., Subandi, Sujarwo, W., Septama, A. W., & Mozef, T. (2020). Antioxidant and Xanthine Oxidase Inhibitory Activities of Kecapi (*Sandoricum koetjape* (Burm.f) Merr.) Leaf Extract. *IOP Conference Series: Materials Science and Engineering*, 833(1), 1–8.
- Haque, J., Verma, C., Srivastava, V., & Quraishi, M. A. (2018). Experimental and quantum chemical studies of functionalized tetrahydropyridines as corrosion inhibitors for mild steel in 1 M hydrochloric acid. *Results in Physics*, 9(5), 1481–1493.
- Hegazy, M. A., Abdallah, M., Alfakeer, M., & Ahmed, H. (2018). Corrosion inhibition performance of a novel cationic surfactant for protection of carbon steel pipeline in acidic media. *International Journal of Electrochemical Science*, 13(7), 6824–6842.
- Hegazy, Mohamed A., & El-Tabei, A. S. (2013). Synthesis, surface properties, synergism parameter and inhibitive performance of novel cationic gemini surfactant on carbon steel corrosion in 1 M HCl solution. *Journal of Surfactants and Detergents*, 16(2), 221–232.
- Heliawati, L. (2018). *Kandungan Kimia dan Bioaktivitas Tumbuhan Kecapi*. Bogor: PPS UNPAK Press. 1-57.
- Ismail, I. S., Ito, H., Hatano, T., Taniguchi, S., & Yoshida, T. (2004). Two new analogues of trijugin-type limonoids from the leaves of *Sandoricum koetjape*. *Chemical and Pharmaceutical Bulletin*, 52(9), 1145–1147.
- Jane, I. I. M., & Onuegbu Theresa Uzoma, A. V. E. and U. U. (2012). Corrosion Inhibition Behaviour of *Emilia Sonchifolia* Leaves Extract As A Green Corrosion Inhibitor For Mild Steel in Hydrochloric Acid Medium. *J. Chem. Chem ENG*, 2(2), 708–714.

- Jmiai, A., El Ibrahimi, B., Tara, A., Oukhrib, R., El Issami, S., Jbara, O., Bazzi, L and Hilali, M. (2017). Chitosan as an eco-friendly inhibitor for copper corrosion in acidic medium: protocol and characterization. *Cellulose*, 24(9), 3843–3867.
- Khamis, A., Saleh, M. M., Awad, M. I., & El-Anadouli, B. E. (2013). Enhancing the inhibition action of cationic surfactant with sodium halides for mild steel in 0.5M H<sub>2</sub>SO<sub>4</sub>. *Corrosion Science*, 74(January), 83–91.
- Loto, C. A., Joseph, O. O., & Loto, R. T. (2016). Inhibition effect of Vernonia amygdalina extract on the corrosion of mild steel reinforcement in concrete in 0.2 M H<sub>2</sub>SO<sub>4</sub> Environment. *Journal of Materials and Environmental Science*, 7(3), 915–925.
- Mattsson, E. (1989). *Basic Corrosion Technology*. London: The Institut of Materials.30p.
- Obot, I. B. (2009). Synergistic effect of nizoral and iodide ions on the corrosion inhibition of mild steel in sulphuric acid solution. *Portugaliae Electrochimica Acta*, 27(5), 539–553.
- Ojha, L., Kaur, K., Kaur, R., & Bhawsar, J. (2017). Corrosion inhibition efficiency of Fenugreek Leaves extract on mild steel surface in acidic medium. *Journal of Chemical and Pharmaceutical Research*, 9(6), 57–64.
- Okewale, A. O., & Olaitan, A. (2017). The Use of Rubber leaf Extract as a Corrosion Inhibitor for Mild Steel in Acidic Solution. *International Journal of Materials and Chemistry*, 7(1), 5–13.
- Prabhu, D., & Rao, P. (2013). Corrosion inhibition of 6063 aluminum alloy by *Coriandrum sativum* L seed extract in phosphoric acid medium. *JMESCN*, 4(5), 732–743.
- Pramudita, M., Sukirno, S., & Nasikin, M. (2019). Synergistic corrosion inhibition effect of rice husk extract and KI for Mild steel in H<sub>2</sub>SO<sub>4</sub> Solution. *Bulletin of Chemical Reaction Engineering & Catalysis*, 14(3), 697–704.
- Sakunthala, P., Vivekananthan, S. S., Gopiraman, M., Sulochana, N., & Vincent, A. R. (2013). Spectroscopic investigations of physicochemical interactions on mild steel in an acidic medium by environmentally friendly green inhibitors. *Journal of Surfactants and Detergents*, 16(2), 251–263.
- Samarghandi, M. R., Hadi, M., Moayedi, S., & Askari, F. B. (2009). Two-parameter isotherms of methyl orange sorption by pinecone derived activated carbon. *Iranian Journal of Environmental Health Science and Engineering*, 6(4), 285–294.
- Sivakumar, V., Velumani, K., & Rameshkumar, S. (2018). Colocid Dye - A Potential Corrosion Inhibitor for the Corrosion of Mild Steel in Acid Media. *Material Research*, 21(4), 1–10.

Susanti, F. E., Sugita, P., & Ambarsari, L. (2016). Purification Of Active Compounds From Kecapi Leaves That Have Potential As Anticancer Fon IN Vitro On Murine Cells Leukemia A P-388. *Int. J. Chem. Sci*, 14(3), 1376–1384.

Verma, D. K., & Khan, F. (2016). Corrosion inhibition of mild steel in hydrochloric acid using extract of glycine max leaves. *Research on Chemical Intermediates*, 42(4), 3489–3506.

Yang, L., Li, Y., Qian, B., & Hou, B. (2015). Polyaspartic acid as a corrosion inhibitor for WE43 magnesium alloy. *Journal of Magnesium and Alloys*, 3(1), 47–51.

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. *EnvironmentAsia*, 9(1), 45–59.

Zheng, X., Gong, M., & Li, Q. (2017). Corrosion inhibition of mild steel in sulfuric acid solution by Houttuynia cordata extract. *International Journal of Electrochemical Science*, 12(7), 6232–6244.

