

DAFTAR PUSTAKA

1. Ghaderi M, Ahmad Ramazani SA, Kordzadeh A, Mahdavian M, Alibakhshi E, Ghaderi A. Corrosion inhibition of a novel antihistamine-based compound for mild steel in hydrochloric acid solution: experimental and computational studies. *Sci Rep* [Internet]. 2022;12(1):1–20. Available from: <https://doi.org/10.1038/s41598-022-17589-y>
2. Mamudu U, Santos JH, Umoren SA, Alharabiji MS, Lim RC. Investigations of corrosion inhibition of ethanolic extract of Dillenia suffruticosa leaves as a green corrosion inhibitor of mild steel in hydrochloric acid medium. *Corros Commun* [Internet]. 2024;15:52–62. Available from: <https://doi.org/10.1016>
3. Florez-Frias EA, Barba V, Lopez-Sesenes R, Landeros-Martínez LL, Los Ríos JPF De, Casales M, et al. Use of a Metallic Complex Derived from Curcuma Longa as Green Corrosion Inhibitor for Carbon Steel in Sulfuric Acid. *Int J Corros*. 2021;2021.
4. Wang Y, Qiang Y, Zhi H, Ran B, Zhang D. Evaluating the synergistic effect of maple leaves extract and iodide ions on corrosion inhibition of Q235 steel in H₂SO₄ solution. *J Ind Eng Chem*. 2023;117:422–33. <https://doi.org/10.1016/j.jiec.2022.10.030>
5. Verma C, Ebenso EE, Quraishi MA, Hussain CM. Recent developments in sustainable corrosion inhibitors: Design, performance and industrial scale applications. *Mater Adv*. 2021;2(12):3806–50.
6. El Azzouzi M, Azzaoui K, Warad I, Hammouti B, Shityakov S, Sabbahi R, et al. Moroccan, Mauritania, and senegalese gum Arabic variants as green corrosion inhibitors for mild steel in HCl: Weight loss, electrochemical, AFM and XPS studies. *J Mol Liq* 2022;347:118354. Available from: <https://doi.org/10.1016/j.molliq.2021.118354>
7. Tahir MM, Chee Wai Y, Yaacob WA, Ibrahim N. Antibacterial, cytotoxicity and antiviral activities of Asplenium nidus. Available online www.jocpr.com *J Chem Pharm Res* [Internet]. 2015;7(7):440–4.
8. Tahir MM, Hassan NS, Dyari HRE, Yaacob WA, Ibrahim N. Phytochemistry, antibacterial and antiviral effects of the fractions of Asplenium nidus leaves aqueous extract. *Malaysian Appl Biol*. 2017;46(1):207–12.
9. El-Hashemy MA, Sallam A. The inhibitive action of Calendula officinalis flower heads extract for mild steel corrosion in 1 M HCl solution. *J Mater Res Technol* [Internet]. 2020;9(6):13509–23. doi.org/10.1016/j.jmrt.2020.09.078
10. Karki N, Neupane S, Gupta DK, Das AK, Singh S, Koju GM, et al. Berberine isolated from Mahonia nepalensis as an eco-friendly and thermally stable corrosion inhibitor for mild steel in acid medium. *Arab J Chem*. 2021;14(12):103423. doi.org/10.1016/
11. Wulan DR, Azkiya NI, Widjajanti K, Wardani NB, Maryanty Y. Asam Askorbat, Natrium Nitrit dan Natrium Fosfat sebagai Inhibitor Laju Korosi pada Alumunium dan Seng dalam Media Biosolar. *J Tek Kim dan Lingkung*. 2022;6(1):36–43.
12. Fahrezy EA. Journal of Multidisciplinary Inquiry in Science Technology and Educational Research Pendekatan Model Empiris untuk Prediksi Laju Korosi Material pada Kursi Roda Arm Rest.
13. Shekari E, Khan F, Ahmed S. Economic risk analysis of pitting corrosion in process facilities. *Int J Press Vessel Pip*. 2017;157:51–62. doi.org/10.1016/j.ijpvp.2017.08.005
14. Hossain N, Asaduzzaman Chowdhury M, Kchaou M. An overview of green corrosion inhibitors for sustainable and environment friendly industrial development. *J Adhes Sci Technol*. 2021;35(7):673–90.
15. Bhindi M, Massengo L, Hammerton J, Derry MJ, Worrall SD. Structure Control Using Bioderived Solvents in Electrochemical Metal-Organic Framework Synthesis. *Appl Sci*. 2023;13(2).
16. Kerdawy E, Ramzia I, Bag E, Othm A. Development and validation of a stability-indicating RP-LC method for the simultaneous determination of otilonium bromide and its expected degradation product in bulk drug and pharmaceutical preparation. *Eur J Chem*. 2016;7(1):97–101.
17. Jarial R, Thakur S, Sakinah M, Zularisam AW, Sharad A, Kanwar SS, et al. Potent

- anticancer, antioxidant and antibacterial activities of isolated flavonoids from *Asplenium nidus*. *J King Saud Univ - Sci.* 2018;30(2):185–92. doi.org/10.1016/j.jksus.2016.11.006
18. GuiaVerde. *Asplenium nidus*. Guia sobre helecho nido ave. 2019;1. Available from: <https://www.guiaverde.com/guia-de-plantas/asplenium-nidus-1826/>
19. C. Kingsley C, Uche R, O.C N. Effect of Corrosion on Mild Steel in Food Processing Industry: A Review. *Int J Adv Eng Res Sci.* 2022;9(1):126–33.
20. Abrham F, Gholap A V. Analysis of heavy metal concentration in some vegetables using atomic absorption spectroscopy. *Pollution.* 2021;7(1):205–16.
21. Fan M, Dai D, Huang B. Fourier Transform Infrared Spectroscopy for Natural Fibres. *Fourier Transform - Mater Anal.* 2012;
22. Berthomieu C, Hienerwadel R. Fourier transform infrared (FTIR) spectroscopy. *Photosynth Res.* 2009;101(2–3):157–70.
23. Nurhamzah R, Hasan T, Dwijayanti e. Karakterisasi itosan dan nanokitosan pada cangkang kerang kijing (plisbryoconcha exilis) asal kabupaten maros menggunakan ftir dan sem. *AlGhazali J Chem Sci Technol* [Internet]. 2024;1(01):24–35. Available from: <https://journal-uim-makassar.ac.id>
24. Nandiyanto ABD, Oktiani R, Ragadhita R. How to read and interpret ftir spectroscope of organic material. *Indones J Sci Technol.* 2019;4(1):97–118.
25. Vasdzara OL. Pengaruh Penambahan SeratCangkang Kelapa Sawit (Palm Kernel Fiber) Terhadap Sifat Mekanik Dan Stabilitas Termal Komposit Epoksi/Poli(Amino Amid)/Serat Cangkang Kelapa Sawit Untuk Aplikasi Papan Partikel. 2017;1–89.
26. L.C. Passos M, M.F.S. Saraiva ML. Detection in UV-visible spectrophotometry: Detectors, detection systems, and detection strategies. *Meas J Int Meas Confed* [Internet]. 2019;135:896–904. doi.org/10.1016/j.measurement.2018.12.045
27. Mary Anbarasi C, Divya G. A Green Approach to Corrosion Inhibition of Aluminium in Acid Medium Using Azwain Seed Extract. *Mater Today Proc* [Internet]. 2017;4(4):5190–200. Available from: <http://dx.doi.org/10.1016/j.matpr.2017.05.026>
28. Yadav VB, Gadi R, Kalra S. Adsorption of lead on clay-CNT nanocomposite in aqueous media by UV-Vis-spectrophotometer: kinetics and thermodynamic studies. *Emergent Mater.* 2019;2(4):441–51.
29. Haldhar R, Prasad D, Kamboj D, Kaya S, Dagdag O, Guo L. Corrosion inhibition, surface adsorption and computational studies of *Momordica charantia* extract: a sustainable and green approach. *SN Appl Sci* [Internet]. 2021;3(1):1–13. Available from: <https://doi.org/10.1007/s42452-020-04079-x>
30. Chung IM, Hemapriya V, Ponnusamy K, Arunadevi N, Chitra S, Hee-Youn C, et al. Assessment of low carbon steel corrosion inhibition by eco-friendly green chaenomeles sinensis extract in acid medium. *J Electrochem Sci Technol.* 2018;9(3):238–49.
31. Vaszilcsin CG, Putz M V., Kellenberger A, Dan ML. On the evaluation of metal-corrosion inhibitor interactions by adsorption isotherms. *J Mol Struct.* 2023;1286(April).
32. Pratiwi AI, Asri M. Analisis Tegangan Tembus Dan Hidrofobisitas Isolator Nano Komposit Resin Epoksi Dan SiO₂. *Jambura J Electr Electron Eng.* 2021;3(2):89–93.
33. Bhawsar J, Jain PK, Jain P. Experimental and computational studies of Nicotiana tabacum leaves extract as green corrosion inhibitor for mild steel in acidic medium. *Alexandria Eng J.* 2015;54(3):769–75.
34. Kassim MJ, Hussin MH, Achmad A, Dahon NH, Suan TK, Hamdan HS. Determination of total phenol, condensed tannin and flavonoid contents and antioxidant. *Maljalah farmas Indones* [Internet]. 2011;22(January):50–9.
35. Ngobiri NC, Chikwe TN. Inhibition of Pipeline Steel Corrosion in 0.5 M HCL using Ethanolic Extract of Citrus Sinensis Seeds. *Chem Sci Eng Res.* 2020;2(3):1–6.
36. Gusti DR, Emriadi, Alif A, Efdi M. Surface characteristics on mild steel using aqueous extract of cassava (*Manihot esculenta*) leaves as a corrosion inhibitor. *Der Pharma Chem.* 2016;8(17):113–8.
37. Khadom AA, Abd AN, Ahmed NA. Xanthium strumarium leaves extracts as a friendly corrosion inhibitor of low carbon steel in hydrochloric acid: Kinetics and mathematical studies. *South African J Chem Eng* [Internet]. 2018;25(April 2019):13–21. Available doi.org/10.1016/j.sajce.2017.11.002