

DAFTAR PUSTAKA

- [1] M. F. Sidiq, "Analisa korosi dan pengendaliannya," *Jurnal foundry*, vol. 3, no. 1, pp. 25–30, 2013.
- [2] K. J. Pattireuw, F. A. Rauf, and R. C. A. Lumintang, "Analisis laju korosi pada baja karbon dengan Menggunakan air laut dan H₂SO₄," *Jurnal Poros Teknik Mesin UNSRAT*, vol. 2, no. 1, 2013.
- [3] S. C. Jung and M. H. Kang, "Adsorption of a water molecule on Fe(100): Density-functional calculations," *Phys Rev B*, vol. 81, no. 11, p. 115460, Mar. 2010, doi: 10.1103/PhysRevB.81.115460.
- [4] A. Govender, D. Curulla Ferré, and J. W. Niemantsverdriet, "The Surface Chemistry of Water on Fe(100): A Density Functional Theory Study," *ChemPhysChem*, vol. 13, no. 6, pp. 1583–1590, Apr. 2012, doi: 10.1002/cphc.201100732.
- [5] R. R. Q. Freitas, R. Rivelino, F. de Brito Mota, and C. M. C. de Castilho, "Dissociative Adsorption and Aggregation of Water on the Fe(100) Surface: A DFT Study," *The Journal of Physical Chemistry C*, vol. 116, no. 38, pp. 20306–20314, Sep. 2012, doi: 10.1021/jp303684y.
- [6] W.-H. Hung, J. Schwartz, and S. L. Bernasek, "Sequential oxidation of Fe (100) by water adsorption: formation of an ordered hydroxylated surface," *Surf Sci*, vol. 248, no. 3, pp. 332–342, 1991.
- [7] D. J. Dwyer, G. W. Simmons, and R. P. Wei, "A study of the initial reaction of water vapor with Fe (001) surface," *Surf Sci*, vol. 64, no. 2, pp. 617–632, 1977.
- [8] B. Yang, K. Shi, H. Li, L. Jiang, and C.-H. Zhang, "Water dissociative adsorption on the precovered Fe (100) surface from DFT computation," *Indian Journal of Physics*, vol. 93, no. 8, pp. 1019–1029, Aug. 2019, doi: 10.1007/s12648-018-01372-9.
- [9] Botahala Loth, "ADSORPSI ARANG AKTIF," 2022, Accessed: Sep. 16, 2023. [Online]. Available: <https://repo.untribkalabahi.ac.id/xmlui/bitstream/handle/123456789/349/ADSORPSI%20ARANG%20AKTIF.pdf?sequence=1&isAllowed=y>
- [10] P. Muller, "INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY ORGANIC CHEMISTRY DIVISION COMMISSION ON PHYSICAL ORGANIC CHEMISTRY* GLOSSARY OF TERMS USED IN PHYSICAL ORGANIC CHEMISTRY," 1994.
- [11] T. Susana, "Air sebagai sumber kehidupan," *Oseana*, vol. 28, no. 3, pp. 17–25, 2003.

- [12] E. McCafferty, *Introduction to corrosion science*. Springer Science & Business Media, 2010.
- [13] L. Brinkman, B. Bulfin, and A. Steinfeld, “Thermochemical Hydrogen Storage via the Reversible Reduction and Oxidation of Metal Oxides,” *Energy & Fuels*, vol. 35, no. 22, pp. 18756–18767, Nov. 2021, doi: 10.1021/acs.energyfuels.1c02615.
- [14] K. Zhou and B. Liu, *Molecular Dynamics Simulation: Fundamentals and Applications*. Academic Press, 2022.
- [15] K. Vollmayr-Lee, “Introduction to molecular dynamics simulations,” *Am J Phys*, vol. 88, no. 5, pp. 401–422, May 2020, doi: 10.1119/10.0000654.
- [16] F. Ercolessi, “A molecular dynamics primer,” *Spring college in computational physics, ICTP, Trieste*, vol. 19, 1997.
- [17] G. Safont Camprubí, “Mechanical properties at nano-level,” 2010.
- [18] M. D. Hanwell, D. E. Curtis, D. C. Lonie, T. Vandermeersch, E. Zurek, and G. R. Hutchison, “Avogadro: an advanced semantic chemical editor, visualization, and analysis platform,” *J Cheminform*, vol. 4, no. 1, pp. 1–17, 2012.
- [19] A. Stukowski, “Visualization and analysis of atomistic simulation data with OVITO—the Open Visualization Tool,” *Model Simul Mat Sci Eng*, vol. 18, no. 1, 2010, doi: 10.1088/0965-0393/18/1/015012.
- [20] J. Ooi, D. Traini, and P. M. Young, “Graphing software for medical writers,” *Medical Writing*, vol. 23, no. 1, pp. 41–44, Mar. 2014, doi: 10.1179/2047480613z.000000000185.
- [21] K. K. Namala, K. K. P. AV, A. Math, A. Kumari, and S. Kulkarni, “Smart irrigation with embedded system,” in *2016 IEEE Bombay section symposium (IBSS)*, IEEE, 2016, pp. 1–5.
- [22] S. Corporation, “LAMMPS: min_style cg command,” https://docs.lammps.org/min_style.html.
- [23] K. Anwar, “STUDI SIMULASI DINAMIKA MOLEKULER MEKANISME ADSORPSI DAN DISOSIASI MOLEKUL H₂O PADA PERMUKAAN LOGAM Fe (111),” PONOROGO, 2023.
- [24] Ingimage, “Gambar Kimia Molekul Rumus Kerangka Air ,” https://id.pngtree.com/freepng/water-skeletal-formula-molecule-chemistry_8007618.html.
- [25] J. Harmoko, “Ciri-Ciri Ikatan Hidrogen,” <https://materikimia.com/ciri-ciri-ikatan-hidrogen/>.

- [26] W. D. Callister and D. G. Rethwisch, *Materials science and engineering: an introduction*, vol. 7. John wiley & sons New York, 2007.
- [27] Alchemist-hp, “Iron electrolytic and 1cm³ cube,” https://id.wikipedia.org/wiki/Berkas:Iron_electrolytic_and_1cm3_cube.jpg.
- [28] Pugliesi Daniele, “Pure iron phase diagram (EN),” [https://commons.wikimedia.org/w/index.php?title=File:Pure_iron_phase_diagram_\(EN\).png&oldid=488316664](https://commons.wikimedia.org/w/index.php?title=File:Pure_iron_phase_diagram_(EN).png&oldid=488316664).
- [29] R. S. Katiyar and P. K. Jha, “Molecular simulations in drug delivery: Opportunities and challenges,” *Wiley Interdisciplinary Reviews: Computational Molecular Science*, vol. 8, no. 4. Blackwell Publishing Inc., Jul. 01, 2018. doi: 10.1002/wcms.1358.

