

DAFTAR PUSTAKA

1. Rosen, R.; Simendinger, W.; Debbault, C.; Shimoda, H.; Fleming, L.; Stoner, B.; Zhou, O.: Application of carbon nanotubes as electrodes in gas discharge tubes. *Applied Physics Letters*, 2000, 76, 13, 1668 - 1670.
2. Sealy, C.: Carbon Nanotubes Get Tough Composites. *Materials Today*, 2004, 15.
3. Nguyen, L.H.; Phi, T.V.; Phan, P.Q.; Vu, H.N.; Nguyen-Duc, C.; Fossard, F.: Synthesis of multi-walled carbon nanotubes for NH₃ gas detection. *Physica E*, 2007, 37, 54 - 57.
4. Gulseren, O.; Yildirim, T.; Ciracci, S.: Tunable adsorption on carbon nanotubes. *Physical Review Letters*, 2001, 87, 11, 116802-1 - 116802-4.
5. Li, Wei.; Guo-Qing, L.; Xiao-Min, L.; Juan-Juan, M.; Peng-Yu, Z.; Qin-Yu, H.; Yin-Zhen, W.: Strong adsorption of Al-doped carbon nanotubes toward cisplatin. *Chemical Physics Letters*, 2016, 162-167.
6. Zhang, D.; Shi, L.; Fang, J.; Dai, K.: Removal of NaCl from saltwater solution using carbon nanotubes/activated carbon composite electrode. *Materials Letters*, 2006, 60, 360-363.
7. Latununuwe, A.; Setiawan, A.; Winata, T.; Sukirno.: Efek Aharonov-Bohm terhadap sifat elektronik carbon naotube. *Indonesian Journal of Chemical Science*, 2008.
8. Zhou, Gang.; Wenhui, Duan.; Binglin, Gu.: Electronic structure and field emission characteristics of open ended single walled carbon nanotubes. *Journal of American Physical Society*, 2001, 87, 9.
9. Ashrafi, F.; Ghasemi, A. S.: Optimisation of carbon nanotube for nitrogen gas adsorption. *Journal of applied science*, 2010, 2, 6, 547-551.
10. Li, Wei.; Xiao-Min, L.; Guo-Qing, L.; Juan-Juan, M.; Peng-Yu, Z.; Jun-Fang, C.; Zhong-Liang, P.; Qing-Yu, H.: First principle study of SO₂ molecule adsorption on Ni-doped vacancy-detected single walled (8.0) carbon nanotubes. *Journal of Applied Surface Science*, 2016, 560-566.
11. Sankar, G.; Udhayakumar, K.: Electronic properties of boron and silicon doped (10,0) zigzag single walled carbon nanotubes upon gas molecular adsorption DFT comparative study. *Journal of Nanomaterial*, 2013.
12. Ji-Guang, Zhang.; Wu Xu.; Wesley, A.; Henderson.: Lithium metal anodes and rechargeable lithium metal batteries, 2017, 249, 14, 95.
13. Liu Kin, M.; Setianto.: Energi total keadaan eksitasi atom litium dengan metode variasi. *Jurnal Ilmu dan Inovasi Fisika*, 2017, 01, 6 – 10.
14. Pasaribu, N.: Minyak buah kelapa sawit. *USU Repository*, 2004, 7.
15. Pranowo, H. D.: Pengantar kimia komputasi. *Austrian-Indonesian Centre for Computational Chemistry (AIC)*, 2016.

16. Adrian, N.; Paryanto, A.; Jumari.; Endah Retno, D.: Sintesis karbon nanotube dari etanol dengan metode chemical vapor deposition, *Gema Teknik*, 2007.
17. Holinter, P.: Nanotubes whitepaper. *CMP Scientiifcica*, 2003.
18. Matsuda, Y.; Jamli, Tahir .K.; Wlliam A. Goddard.: Defenitive band gaps for single-wall carbon nanotubes. *J. Phys. Chem*, 2010, 1, 2946-2950.
19. Garrett, D. E.: Handbook of lithium. 1, 190-193.
20. Marliere, C.; Poncharal, P.; Vaccarini, L.: Effect of gas adsorption on the electrical properties single walled carbon nanotube mats. *Material Research Society Symposium Proceedings*, 2000, 593, 1-5.
21. Aulia, A.: Lempung aktif sebagai adsorben ion fosfat dalam air. *Jurnal Chemica*, 2009, 10, 14-23.
22. Barghi, S. H.; Tsotsis, T. T; Sahimi, M.: Chemisorption, physisorption and hysteresis during hidrogen storage in carbon nanotubes. *Science Direct*, 2013, 39, 1390-1397.
23. Prianto, B.: Pemodelan kimia komputasi. Bidang Material Dirgantara Lapan, 2013.
24. Pranowo, H. D.: Kimia komputasi. *Pusat Kimia Komputasi Indonesia Austria UGM*. 2002, 147 – 161.
25. Kasmui.: Terjemahan hyperchem rilis 7. *Universitas Negeri Semarang*, 2013.
26. Krane, K.: Fisika modern (terjemahan Hans J.Wosparik), *Penerbit Universitas Indonesia Press*. Jakarta. 1992.
27. Kurniawan, Y.; Muhammad, N.: Studi pemodelan dinamika proton dalam ikatan hidrogen H₂O padatan satu dimensi, 2005, 3, 107-117.
28. Kusuma, T. S.: Pembelajaran mata ajaran pengantar kimia fisik teori secara integrated laboratory-lecture case study. *Laporan Penelitian Teaching Grant*, 2005.
29. Sukardjo. *Ikatan kimia*. Cetakan kedua. Rineka Cipta. Yogyakarta. 1990.