

DAFTAR PUSTAKA

- Anish Madhavan, A., Kalluri, S., K Chacko, D., Arun, T. A., Nagarajan, S., Subramanian, K. R. V., Sreekumaran Nair, A., Nair, S. V. and Balakrishnan, A. (2012) 'Electrical and optical properties of electrospun TiO₂-graphene composite nanofibers and its application as DSSC photo-anodes', *RSC Advances*, 2(33), p. 13032. doi: 10.1039/c2ra22091a.
- Ariasoca, T. A. (2015) *Kajian Pemodelan Konstanta Dielektrik Graphene Hasil Spectroscopy Ellipsometry Menggunakan Metode Inversi Numerik Newton-Raphson*. Gadjah Mada University.
- Bao, Q., Zhang, H., Yang, J. X., Wang, S., Tang, D. Y., Jose, R., Ramakrishna, S., Lim, C. T. and Loh, K. P. (2010) 'Graphene-polymer nanofiber membrane for ultrafast photonics', *Advanced Functional Materials*, 20(5), pp. 782–791. doi: 10.1002/adfm.200901658.
- Castro Neto, A. H., Guinea, F., Peres, N. M. R., Novoselov, K. S. and Geim, A. K. (2009) 'The electronic properties of graphene', *Reviews of Modern Physics*, 81(1), pp. 109–162. doi: 10.1103/RevModPhys.81.109.
- Ci, L., Song, L., Jin, C., Jariwala, D., Wu, D., Li, Y., Srivastava, A., Wang, Z. F., Storr, K., Balicas, L., Liu, F. and Ajayan, P. M. (2010) 'Atomic layers of hybridized boron nitride and graphene domains.', *Nature materials*. Nature Publishing Group, 9(5), pp. 430–435. doi: 10.1038/nmat2711.
- Fox, M. (2010) 'Optical Properties of Solids', *American Journal of Physics*, 70(12), p. 396. doi: Oxford University Press.
- Fujiwara, H. (2007) *Spectroscopic Ellipsometry Principles and Applications*. Ontario, Canada: John Wiley & Sons, Ltd.
- Hecht, E. (2002) *Optics*. 4th edn. Addison Wesley.
- Hong, W., Xu, Y., Lu, G., Li, C. and Shi, G. (2008) 'Transparent graphene/PEDOT-PSS composite films as counter electrodes of dye-sensitized solar cells', *Electrochemistry Communications*, 10(10), pp. 1555–1558. doi: 10.1016/j.elecom.2008.08.007.
- Ivaska, A. (1991) 'Analytical applications of conducting polymers', *Electroanalysis*, 3(4–5), pp. 247–254. doi: 10.1002/elan.1140030403.
- Junaidi, M. and Susanti, D. (2014) 'Pengaruh Variasi Waktu Ultrasonikasi dan dan Konduktivitas Listrik Material Graphene', *Teknik Pomits*, 3(1).

- Kravets, V. G., Grigorenko, A. N., Nair, R. R., Blake, P., Anissimova, S., Novoselov, K. S. and Geim, A. K. (2010) 'Spectroscopic ellipsometry of graphene and an exciton-shifted van Hove peak in absorption', *Physical Review B - Condensed Matter and Materials Physics*, 81(15), pp. 1–6. doi: 10.1103/PhysRevB.81.155413.
- Kravets, V. G., Marshall, O. P., Nair, R. R., Thackray, B., Zhukov, A., Leng, J. and Grigorenko, A. N. (2015) 'Engineering optical properties of a graphene oxide metamaterial assembled in microfluidic channels', *Optics Express*, 23(2), p. 1265. doi: 10.1364/OE.23.001265.
- Li, W., Cheng, G., Liang, Y., Tian, B., Liang, X., Peng, L., Hight Walker, A. R., Gundlach, D. J. and Nguyen, N. V. (2016) 'Broadband optical properties of graphene by spectroscopic ellipsometry', *Carbon*. Elsevier Ltd, 99(January 2016), pp. 348–353. doi: 10.1016/j.carbon.2015.12.007.
- Lohner, T. (2015) 'Characterization of sputtered aluminum oxide films using spectroscopic ellipsometry', *Int. J. New. Hor. Phys*, 4(1), pp. 1–4.
- Meng, C., Yu, S.-L., Wang, H.-Q., Cao, Y., Tong, L., Liu, W.-T. and Shen, Y.-R. (2015) 'Graphene-doped polymer nanofibers for low-threshold nonlinear optical waveguiding', *Light: Science & Applications*, 4(11), p. e348. doi: 10.1038/lsa.2015.121.
- Muhammad, F. F., Aziz, S. B. and Hussein, S. A. (2014) 'Effect of the dopant salt on the optical parameters of PVA:NaNO₃ solid polymer electrolyte', *Journal of Materials Science: Materials in Electronics*, 26(1), pp. 521–529. doi: 10.1007/s10854-014-2430-0.
- Nelson, F. J., Kamineni, V. K., Zhang, T., Comfort, E. S., Lee, J. U. and Diebold, A. C. (2010) 'Optical properties of large-area polycrystalline chemical vapor deposited graphene by spectroscopic ellipsometry', *Applied Physics Letters*, 97(25), pp. 11–14. doi: 10.1063/1.3525940.
- Pang, T. (2006) *An Introduction to Computational Physics, Book*. doi: 10.1119/1.19198.
- Pettersson, L. A. ., Ghosh, S. and Inganäs, O. (2002) 'Optical anisotropy in thin films of poly(3,4-ethylenedioxythiophene)-poly(4-styrenesulfonate)', *Organic Electronics*, 3(3–4), pp. 143–148. doi: 10.1016/S1566-1199(02)00051-4.
- Sebah, P. and Gourdon, X. (2001) 'Newton's method and high order iterations', *Journal of Optimization Theory and Applications*, 42(3), pp. 1–10. Available at: <http://www.sztaki.hu/~bozoki/oktatas/nemlinearis/SebahGourdon-Newton.pdf>.
- Shen, Y., Zhou, P., Sun, Q. Q., Wan, L., Li, J., Chen, L. Y., Zhang, D. W. and Wang, X. B. (2011) 'Optical investigation of reduced graphene oxide by

spectroscopic ellipsometry and the band-gap tuning', *Applied Physics Letters*, 99(14). doi: 10.1063/1.3646908.

Tompkins, H. G. (2005) *Handbook of Ellipsometry, JEMS : a journal of emergency medical services*. doi: 10.1007/3-540-27488-X.

Wang, Y., Tong, S. W., Xu, X. F., Özyilmaz, B. and Loh, K. P. (2011) 'Interface engineering of layer-by-layer stacked graphene anodes for high-performance organic solar cells', *Advanced Materials*, 23(13), pp. 1514–1518. doi: 10.1002/adma.201003673.

Widianto, E. (2015) *Kajian Sifat Optik Nanofiber Reduced Graphene Oxide/Poly (3,4-Ethylenedioxytriophene):Poly (Styrene Sulfonate) (PEDOT:PSS) Hasil Electrospinning*. Gadjah Mada University.

Yang, Y. H. (1995) 'Spectroscopic ellipsometry of thin films on transparent substrates: A formalism for data interpretation', *Journal of Vacuum Science & Technology A: Vacuum, Surfaces, and Films*, 13(3), p. 1145. doi: 10.1116/1.579601.

Zhu, Y., Murali, S., Cai, W., Li, X., Suk, J. W., Potts, J. R. and Ruoff, R. S. (2010) 'Graphene and graphene oxide: Synthesis, properties, and applications', *Advanced Materials*, 22(35), pp. 3906–3924. doi: 10.1002/adma.201001068.