

DAFTAR PUSTAKA

1. Ali, Riyaz A. M, dan Nayan, N. (2010). Fabrication and analysis of dye-sensitized solar cell using natural dye extracted from dragon fruit. *International Journal of Integrated Engineering (Issue on Electrical and Electronic Engineering)*.
2. Anta, Juan & Guillén, E. & Tena-Zaera, Ramon. (2012). ZnO-Based Dye-Sensitized Solar Cells. *The Journal of Physical Chemistry C*. 116. 11413–11425. 10.1021/jp3010025.
3. Bai, Yu & Mora-Seró, Iván & Angelis, Filippo & Bisquert, Juan & Wang, Peng. (2014). Titanium Dioxide Nanomaterials for Photovoltaic Applications. *Chemical reviews*. 114. 10.1021/cr400606n.
4. Bharat, S & Kattamuri, Kumar & Potti, Lakshmanarao & Vin, Anjaneyulu & Bandi, Veeranjanyulu & Chagantipati, Sreeram & Rk, Mogili. (2012). Nanofibers In Pharmaceuticals-A Review.
5. Canto-Aguilar, Esdras & Rodriguez-Perez, Manuel & García-Rodríguez, Rodrigo & Lizama-Tzec, F. & De Denko, Alex & Osterloh, Frank & Oskam, Gerko. (2017). ZnO-based dye-sensitized solar cells: Effects of redox couple and dye aggregation. *Electrochimica Acta*. 258. 10.1016/j.electacta.2017.11.075.
6. Carella, Antonio & Borbone, Fabio & Centore, Roberto. (2018). Research Progress on Photosensitizers for DSSC. *Frontiers in Chemistry*. 6. 481. 10.3389/fchem.2018.00481.
7. Cavallo, Carmen & Pascasio, F. & Latini, Alessandro & Bonomo, Matteo & Dini, Danilo. (2017). Nanostructured Semiconductor Materials for Dye-Sensitized Solar Cells. *Journal of Nanomaterials*. 2017. 1-31. 10.1155/2017/5323164.
8. Chenni, R., Makhlouf, M., Kerbache, T., & Bouzid, A. (2007). A detailed modeling method for photovoltaic cells. *Energy*, 32(9), 1724-1730.
9. Gandha, G. I. (2017). Fisika 2. Arus Listrik Searah. Yogyakarta: Universitas Dian Nuswantoro.
10. Gorlov, M., & Kloo, L. (2008). Ionic liquid electrolytes for dye-sensitized solar cells. *Dalton Transactions*, (20), 2655. doi: 10.1039/b716419j

11. Hagfeldt, A., Boschloo, G., Sun, L., Kloo, L., & Pettersson, H. (2010). Dye-Sensitized Solar Cells. *Chemical Reviews*, 110(11), 6595-6663. doi: 10.1021/cr900356p
12. Hao, Sancun & Wu, Jihuai & Huang, Yunfang & Lin, Jianming. (2006). Natural dyes as photosensitizers for dye-sensitized solar cell. *Solar Energy*. 80. 209-214. 10.1016/j.solener.2005.05.009.
13. Haryanto, D., Landuma, S., & Purwanto, A. (2014). Fabrication of dye-sensitized solar cell (DSSC) using annato seeds (*Bixa orellana* Linn).
14. Hsu, S., Long, Y., & Wu, T. (2017). Standardization of Current-Voltage Test Method for DSSC Products. *Applied Mechanics And Materials*, 870, 263-268. doi: 10.4028/www.scientific.net/amm.870.263
15. Hutagalung, Siti Nurhabibah & Panjaitan, Melda. (2018). Pembelajaran Fisika Dasar dan Elektronika Dasar (Arus, Hambatan dan Tegangan Listrik) Menggunakan Aplikasi MATLAB Metode SIMULINK. *Jurnal Ikatan Alumni Fisika Universitas Negeri Medan*.
16. Khatri, Zeeshan & Kim, Ick-Soo & Kim, Seong. (2016). Functional Nanofibers: Production and Applications. *Journal of Nanomaterials*. 2016. 1-2. 10.1155/2016/2195787.
17. Konan, K., Saraka, J., Zoueu, J., & Gbaha, P. (2007). Structural and Morphological Analysis of CuInSe₂ Thin Films Prepared by Vacuum Free CSVT for Photovoltaic Cells. *Journal Of Applied Sciences*, 7(4), 478-483.
18. Li, Zhengdao & Zhou, Yong & Sun, Ruzhong & Xiong, Yan & Xie, Haiquan & Zou, Zhigang. (2014). Nanostructured SnO₂ photoanode-based dye-sensitized solar cells. *Chinese Science Bulletin*. 59. 2122-2134. 10.1007/s11434-013-0079-3.
19. Muthukumar, Anusha & Rey, Germain & Giusti, G. & Consonni, Vincent & Appert, Estelle & Roussel, Herve & Dakshanamoorthy, Arivuoli & Bellet, Daniel. (2013). Fluorine Doped Tin Oxide (FTO) Thin Film As Transparent Conductive Oxide (TCO) For Photovoltaic Applications. *AIP Conference Proceedings*. 1512. 710-711. 10.1063/1.4791235.
20. Nasikhudin, Ismaya, E., Diantoro, M., Kusumaatmaja, A., & Triyana, K. (2017). Preparation of PVA/TiO₂ Composites Nanofibers by using Elektrospinning

- Method for Photocatalytic Degradation. *IOP Conference Series: Materials Science And Engineering*, 202, 012011. 10.1088/1757-899X/202/1/012011.
21. O'Regan, B., & Grätzel, M. (1991). A low-cost, high-efficiency solar cell based on dye-sensitized colloidal TiO₂ films. *Nature*, 353(6346), 737-740.
 22. Pangestuti, Diah & Gunawan, Gunawan & Haris, Abdul. (2008). Pembuatan Dye Sensitized Solar Cell (DSSC) dengan Sensitizer Antosianin dari Buah Buni (*Antidesma bunius* L). *Jurnal Kimia Sains dan Aplikasi*. 11. 70. 10.14710/jksa.11.3.70-77.
 23. *Pemanfaatan Energi Surya Di Indonesia*. ESDM. (2021). Diakses pada 25 Maret 2021, dari <https://www.esdm.go.id/id/media-center/arsip-berita/pemanfaatan-energi-surya-di-indonesia>.
 24. Ruthenium (Ru) - Chemical properties, Health and Environmental effects. (2021). Retrieved 12 July 2021, from <https://www.lenntech.com/periodic/elements/ru.htm>
 25. Shi, X., Zhou, W., Ma, D., Ma, Q., Bridges, D., Ma, Y., & Hu, A. (2015). Elektrosinning of Nanofibers and Their Applications for Energy Devices. *Journal Of Nanomaterials*, 2015, 1-20.
 26. Smalley, R. (2005). Future Global Energy Prosperity: The Terawatt Challenge. *MRS Bulletin*, 30(6), 412-417.
 27. Subbiah, T., Bhat, G., Tock, R., Parameswaran, S., & Ramkumar, S. (2005). Elektrosinning of nanofibers. *Journal Of Applied Polymer Science*, 96(2), 557-569. doi: 10.1002/app.21481
 28. Takagi, K., Magaino, S., Saito, H., Aoki, T., & Aoki, D. (2013). Measurements and evaluation of dye-sensitized solar cell performance. *Journal Of Photochemistry And Photobiology C: Photochemistry Reviews*, 14, 1-12. doi: 10.1016/j.jphotochemrev.2012.08.003
 29. Undang-Undang No. 30/2007 Pasal 19 dan Pasal 20, Tentang Energi.
 30. Verhoeven, Geert. (2017). The reflection of two fields – Electromagnetic radiation and its role in (aerial) imaging. 55. 13-18. 10.5281/zenodo.3534245.
 31. Vittal, Ramamurthy & Ho, Kuo-Chuan. (2016). Zinc oxide based dye-sensitized solar cells: A review. *Renewable and Sustainable Energy Reviews*. 70. 10.1016/j.rser.2016.11.273.

32. Wahyudi, T., & Sugiyana, D. (2011). PEMBUATAN SERAT NANO MENGGUNAKAN METODE ELEKTROSPINNING. *Arena Tekstil*, 26(1). doi: 10.31266/at.v26i1.1439
33. What It Is and How It Works | National Nanotechnology Initiative. (2021). Retrieved 31 May 2021, from <https://www.nano.gov/nanotech-101/what>
34. Wu, Jihuai & Lan, Zhang & Lin, Jianming & Huang, Miaoliang & Huang, Yunfang & Fan, Le-Qing & Luo, Genggeng. (2015). Electrolytes in Dye-Sensitized Solar Cells. *Chemical reviews*. 115. 10.1021/cr400675m.

