

DAFTAR PUSTAKA

- Aadim, K. A., Nazar, A., Algaffar, A., & Abdullah, S. N. 2018. Preparation single layer of (MgO) as antireflection coating using PLD technique. *Iraqi Journal of Physics*, **16**(January), 39–46.
- Arecchi, A. V., Messadi, T., & Koshel, R. J. 2007. *Field Guide to Illumination*. (John E. Greivenkamp, Ed.). Bellingham: SPIE Press.
- Bakri, A. S., Sahdan, M. Z., Adriyanto, F., Raship, N. A., Said, N. D.M., Abdullah, S. A., Rahim, M. S., 2017, Effect Of Annealing Temperature of Titanium Dioxide Thin Films on Structural and Electrical Properties, *International Conference on Engineering, Science and Nanotechnology 2016 (ICESNANO 2016) AIP Conf. Proc.* **1788**.
- Basting, D., & Marowsky, G. 2005. *Excimer Laser Technology*. Verlag Berlin Heidelberg: Springer.
- Boyd, R. (2007). *The Nonlinear Optical Susceptibility. Nonlinear optics (third edition)*. pp. 1–67.
- Chanta, E., & Wongratanaaphisan, D. 2015. Effect of ZnO Double Layer as Anti-Reflection Coating Layer in ZnO Dye-Sensitized Solar Cells. *Energy Procedia*. **79**. 879-884.
- Christoulakis, S., Suchea, M., Katharakis, M., Katsarakis, N., & Koudoumas, E. 2005. ZnO Nanostructured Transparent Thin Films By Pld. *Rev.Adv.Mater.Sci.*, **10**, 331–334.
- Coronado, D. R. Gattorno, G. R., Pesqueira, M. E. E., Cab, C., Cos. R. D., Oskam, G. 2008. Phase-pure TiO₂ nanoparticles: anatase, brookite and rutile. *Nanotechnology*: **19**, 1-2.
- De, Liedekerke M. 2006. 2.3. Zinc Oxide (Zinc White): *Pigments, Inorganic, 1. Ullmann's Encyclopedia of Industrial Chemistry*. Weinheim: Wiley-VCH.
- Delmdahl, R., Wiessner, A. 2007. Pulsed Laser Deposition for Coating Applications. *Journal of Physics Conference Series*, **59**, 28.
- Delmdahl, R., & Paetzel, R. 2008. Pulsed laser deposition – UV laser sources and applications. *Applied Physics A*, (November).
- Deng, Chun., & Ki, Hyungson. 2016. Pulsed laser deposition of refractive-index-graded broadband antireflection coatings for silicon solar cells. *Solar Energy Materials and Solar Cells*, **147**, 37–45.

- Doorene, S. van. 2017. *Barium disilicide: Development of a novel, low cost and earth abundant absorber material for thin film solar cell applications.* Thesis. Master of Science in Sustainable Energy Technology, Delft University of Technology, Delft.
- Eason, Robert . 2007. *Pulsed Laser Deposition of Thin Films: Applications-Led Growth of Functional Materials.* United States of America : A Wiley-Interscience publication.
- Fan, Yunjie., Zhang, Chao., Liu, Xiang., Lin, Yue., Gao, Guanyin., Ma, Chao. Yin, Yuewei., dan Li, Xiaoguang., 2019, Structure and transport properties of titanium oxide (Ti_2O , $TiO_{1+\delta}$, and Ti_3O_5) thin films, *Journal of Alloys and Compounds* **786** (2019) 607-613.
- Fonash, S. J. 1981. *Solar Cell Device Physics.* (J. Denton, Ed.) (First edition). New York: Academic Press, Inc.
- Fonash, S. J. 2010. *Solar Cell Device Physics* (2nd ed.). Oxford: Elsevier Ltd.
- Fraas, L., & Partain, L. 2010. *Solar Cells and Their Applications* (Second edition). New Jersey: John Wiley & Sons, Inc.
- Haider, A. J., Thamir, A. D., Najim, A. A., & Ali, G. A. 2016. Improving Efficiency of $TiO_2:Ag$ /Si Solar Cell Prepared by Pulsed Laser Deposition. *Plasmonics*.
- Hsu, F., Wang, N., Tsai, Y., & Houng, M. (2012). A novel Al and Y codoped ZnO / n -Si heterojunction solar cells fabricated by pulsed laser deposition. *Solar Energy*, **86**(11), 3146–3152.
- Jansen, Ted. J. 1995. Teknologi Rekayasa Surya, diterjemahkan oleh Prof. Wiranto Arismunandar. Jakarta: PT.Pradnya Paramita, 1995.
- Jha, A. R. 2010. *Solar Cell Technology and Applications.* Boca Raton: Taylor & Francis Group.
- Klingshirn, C. 2007. ZnO: material, physics and applications. *ChemPhysChem.* **8**, 6, 782–803
- Koechner, Walter. 1965. *Solid-state laser engineering.* Verlag : Springer.
- Li, D., Fang, X., Zhao, A., Deng, Z., Dong, W., & Tao, R. (2010). Physical properties of $CuCrO_2$ films prepared by pulsed laser deposition. *Vaccum*, **84**(6), 851–856.
- M. A. Green, 2008, Self-consistent optical parameters of intrinsic silicon at 300 K including temperature coefficients, *Solar Energy Materials and Solar Cells*, **92**, 1305–1310.

- Macleod, H. A. 2001. *Thin-Films Optical Filters Third Edition*. Bristol and Philadelphia: Institute of Physics Publishing.
- Mao, S. S. 2005. Ultrafast Laser Deposition of Semiconductor Nanowires. *Materials Research Society Symp. Proc.*, **850**, 1-11.
- Moayedfar, Majid. dan Assadi, M.Khalaji., 2018, Various Types Of Anti-Reflective Coatings(ARCS) Based On The Layer Composition And Surface Topography: A Review, *Reviews on Advanced Materials Science* **53** (2018) 187-205.
- Nelwan, Eframoktora R. G., Suliyanti, M. M., dan Prastomo, Niki., 2018, Fabrication of Anti Reflection Coating TiO₂-SiO₂ on Silicon Substrate with Pulsed Laser Deposition Method, *Proceedings of SPIE, Third International Seminar on Photonics, Optics, and Its Applications* (ISPhOA 2018), **11044** (11 April 2019).
- Özgür, Ü., Alivov, YI., Liu, C., Teke, A., Reshchikov, M., Doğan, S., Avrutin, V.C., Cho, SJ., Morkoç, AH. 2005. A comprehensive review of ZnO materials and devices. *Journal of Applied Physics*. 98 (4): 041301–041301.
- Palmer, J. M. (n.d.). 1985. The Measurement Of Transmission , Absorption , Emission , And Reflection. In *Optical Mesurement* (pp. 1–25).
- Pataya, S. A., Gareso, P.L, Juarlin, E. 2016. *Karakterisasi Lapisan Tipis Titanium Dioksida (TiO₂) yang Ditumbuhkan Dengan Metode Spin Coating Diatas Substrat Kaca*. Physics Department, Faculty of Mathematics and Natural Science, Hasanuddin University, 1-8
- Rahman, M. Z., Khan, S.I. 2012. Advances in surface passivation of c-Si solar cells. *Mater Renew Sustain Energy*, **1** (1), 3-8.Refractive Index of Polycrystalline Silicon
- Refractive Index of Plycrystaline Silicon. <https://www.filmetrics.com/refractive-index-database/Polycrystalline-Silicon>. *Filmetrics A KLA Company*. Diakses 04 Agustus 2020, 05.05.
- Ramamoorthy, K., Sanjeeviraja, C., Jayachandran, M., & Sankaranarayanan, K. 2006. Development of a novel high optical quality ZnO thin films by PLD for III – V opto-electronic devices. *Current Applied Physics*, **6**, 103–108.
- Shklyaev, A. A., Kozhukhova, A.S., Armbrister, V. A., Gulyaeva, D. V., 2013. Surface morphology of Si layers grown on SiO₂. *Applied Surface Science*, **267**, 40-44.
- Siregar, M. R. T., Suliyanti, M. M., Sudiro, T., Abdullah, A. H. D. 2006. Pelapisan PbTiO₃ Dan Y₂O₃ Terhadap Si/SiO₂/Au Dengan Metode Pulsed Laser Deposition. *Prosiding Seminar Nasional: Bidang Instrumentasi dan Peralatan*, 743-746.

- Solanki, C. S., dan Singh, H. K. 2017. *Anti-reflection and Light Trapping in c-Si Solar Cells*. Singapore: Springer.
- Streetman, B. G. & Banerjee, S. 2000, *Solid State Electronic Devices* (5th ed.), New Jersey: Prentice Hall.
- Stephens, Robert E. & Malitson, Irving H. 1952. Index of Refraction of Magnesium Oxide (PDF). *Journal of Research of the National Bureau of Standards*. **49** (4): 249–252.
- Suda, Yoshiaki., Kawasaki, Hiroharu., Ueda, Tsuyoshi. dan, Ohshima,Tamiko., 2004, Preparation Of Nitrogen-Doped Titanium Oxide Thin Film Using A PLD Method As Parameters of Target Material and Nitrogen Concentration Ratio in Nitrogen/Oxygen Gas Mixture, *Thin Solid Films*, **475** (2005) 337–341.
- Svanberg, Sune. 2004. *Atomic and Molecular Spectroscopy Basic Aspects and Practical Applications*. Verlag-Berlin: Springer.
- Vijayalakshmy, S., Subramanian, B., 2014, Effect of ZnO block layers fabricated by Pulsed Laser Deposition and mesoporous layers by chemical method on the performance of dye sensitized solar cells., *Electrochimica Acta*.
- Vogel, A., Busch, S., Parlitz U. 1996. Shock Wave ission and cavitation bubble generation by picosecond and nanosecond optical breakdown in water. *J Accoust. Soc*, **100** ,148-165.
- Wang, Qi., Xu, Yueqin., Iwaniczko, Eugene., dan Page, Matthew., 2011, Light trapping for high efficiency heterojunction crystalline Si solar cells, *ECS Transactions*, **34**,1129-1134.
- Wright, D. N., Marstein, E. S., Holt, A. 2005. Double Layer Anti-Reflective Coatings for Silicon Solar Cells. *Conference Record of the IEEE Photovoltaic Specialists Conference*, 1237-1240.
- Zhao, J. Dan Green, Martin A., 1991, Optimized Antireflection Coatings for High-Efficiency Silicon Solar Cells, *IEEE Transactions on Electron Devices*, **38**(1991) 1925-1934.
- Zhao, J., Li, X., & Bian, J. 2005. Structural , optical and electrical properties of ZnO films grown by pulsed laser deposition (PLD). *Journal of Crystal Growth*, **276**, 507–512.