

DAFTAR PUSTAKA

- Abdulsalam, K. A., Olagoke, H., Oladosu, I. A., Olawoye, B. M., Amodu, B. H., Fakorede, O. K., Tihamiyu, A., & Owolobi, S. O. (2022). Methyl Orange, An Organic Dye: Its Health Impact And Sorptive Removal From Waste Water. *International Journal of Progressive Sciences and Technologies (IJPSAT)*, 33(1), 150–160. <https://doi.org/10.52155>
- Ahsyaf, D. A. Q., Aminah, A., & Kisra, A. T. K. (2023). Analysis of Rhodamine B Levels in Cotton Candy Circulated in Makassar City. *Pharmaceutical Reports*, 2(2), 10–14. <https://doi.org/10.33096/pharmrep.v2i2.227>
- Al-Kahtani, A. A. (2017). Photocatalytic Degradation of Rhodamine B Dye in Wastewater Using Gelatin/CuS/PVA Nanocomposites under Solar Light Irradiation. *Journal of Biomaterials and Nanobiotechnology*, 08(01), 66–82. <https://doi.org/10.4236/jbnb.2017.81005>
- Ameta, R., Solanki, M. S., Benjamin, S., & Ameta, S. C. (2018). *Photocatalysis*. <https://doi.org/10.1016/B978-0-12-810499-6.00006-1>
- Araujo, H. S. de, & Ferreira, F. (2021). Quantum dots and photodynamic therapy in COVID -19 treatment. *Quantum Engineering*, 3(4), 1–8. <https://doi.org/10.1002/que2.78>
- Aritonang, A. B., Asma, A., & Sapar, A. (2023). Synthesis of The Cu(II)-doped TiO₂/Bi₂O₃ as a Photocatalyst for Rhodamin B Degradation Under Visible Light Illumination. *Berkala Sainstek*, 11(4), 216. <https://doi.org/10.19184/bst.v11i4.39799>
- Arnelli, A., Putri, U. H. H., Cholis, F. N., & Astuti, Y. (2019). Use of Microwave Radiation for Activating Carbon from Rice Husk Using ZnCl₂ Activator. *Jurnal Kimia Sains Dan Aplikasi*, 22(6), 283–291. <https://doi.org/10.14710/jksa.22.6.283-291>
- Astuti, Y., Fauziyah, A., Nurhayati, S., Wulansari, A. D., Andianingrum, R., Hakim, A. R., & Bhaduri, G. (2016). Synthesis of α -Bismuth oxide using solution combustion method and its photocatalytic properties. *IOP Conference Series: Materials Science and Engineering*, 107(1), 0–7. <https://doi.org/10.1088/1757-899X/107/1/012006>
- Astuti, Y., Mei, R., Darmawan, A., Arnelli, & Widiyandari, H. (2022). Enhancement of electrical conductivity of bismuth oxide/activated carbon composite. *Scientia Iranica*, 29(6), 3119–3131. <https://doi.org/10.24200/SCI.2022.57674.5359>
- Astuti, Y., Ana Tasiman, B. H., Widiyandari, H., Arutanti, O., Mufti, N., & Ogi, T. (2024). A mixed Bi₂O₃/CQDs provides better photocatalytic activity in organic dyes pollutant model. *Nanotechnology for Environmental Engineering*. <https://doi.org/10.1007/s41204-024-00383-8>
- Astuti, Y., Anggraeni, D., & Darmawan, A. (2020). Photocatalytic Performance of Bismuth Oxide Prepared by Citric Acid-Fueled Solution Combustion on Decolorisation of Organic Dye Molecules. *IOP Conference Series: Materials*

- Science and Engineering*, 833(1). <https://doi.org/10.1088/1757-899X/833/1/012061>
- Astuti, Y., Arnelli, Pardoyo, Fauziyah, A., Nurhayati, S., Wulansari, A. D., Andianingrum, R., Widiyandari, H., & Bhaduri, G. A. (2017). Studying impact of different precipitating agents on crystal structure, morphology, and photocatalytic activity of bismuth oxide. *Bulletin of Chemical Reaction Engineering and Catalysis*, 12(3), 478–484. <https://doi.org/10.9767/bcrec.12.3.1144.478-484>
- Astuti, Y., Listyani, B. M., Suyati, L., & Darmawan, A. (2021). Bismuth oxide prepared by sol-gel method: Variation of physicochemical characteristics and photocatalytic activity due to difference in calcination temperature. *Indonesian Journal of Chemistry*, 21(1), 108–117. <https://doi.org/10.22146/ijc.53144>
- Baylis, A. D. (2000). Why glyphosate is a global herbicide: strengths, weaknesses and prospects. *Pest Management Science*, 56(4), 299–308. [https://doi.org/10.1002/\(sici\)1526-4998\(200004\)56:4<299::aid-ps144>3.3.co;2-b](https://doi.org/10.1002/(sici)1526-4998(200004)56:4<299::aid-ps144>3.3.co;2-b)
- Bergström, J. (2015). Experimental Characterization Techniques. In *Mechanics of Solid Polymers*. <https://doi.org/10.1016/b978-0-323-31150-2.00002-9>
- Bhattacharya, S., & Acharya, A. (2020). Experimental tools for characterizations of glass nanocomposites containing metal oxides. In *Metal Oxide Glass Nanocomposites*. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-817458-6.00004-4>
- Borggaard, K., & Gimsing, A. L. (2008). Fate of glyphosate in soil and the possibility of leaching to ground and surface waters: a review. *Pest Management Science*, 63(11), 1100–1106. <https://doi.org/10.1002/ps>
- Bose, A., Thomas, I., & Abraham, E. (2018). Fluorescence spectroscopy and its applications: A Review. *International Journal of Advances in Pharmaceutical Analysis*, 8(1), 1–8. www.ssjournals.com
- Chandrasekaran, P., Arul, V., & Sethuraman, M. G. (2020). Ecofriendly Synthesis of Fluorescent Nitrogen-Doped Carbon Dots from *Coccinia grandis* and its Efficient Catalytic Application in the Reduction of Methyl Orange. *Journal of Fluorescence*, 30(1), 103–112. <https://doi.org/10.1007/s10895-019-02474-1>
- Chen, Y., Qin, X., Yuan, C., & Wang, Y. (2020). Switch on fluorescence mode for determination of l-cysteine with carbon quantum dots and Au nanoparticles as a probe. *RSC Advances*, 10(4), 1989–1994. <https://doi.org/10.1039/c9ra09019c>
- Colthup, N. B. (2003). Infrared Spectroscopy. In *Encyclopedia of Physical Science and Technology* (Third, Issue 1). <https://doi.org/10.1021/ac60061a002>
- Dauer, L. T. (2002). Radiation at Home, Outdoors and in the Workplace. In D. Brune, R. Hellborg, B. R. R. Persson, & R. Pääkkönen (Eds.), *Health Physics* (Vol. 82, Issue 6). Scandinavian Science Publisher. <https://doi.org/10.1097/00004032-200206000-00027>

- Devipriya, S., & Yesodharan, S. (2005). Photocatalytic degradation of pesticide contaminants in water. *Solar Energy Materials and Solar Cells*, 86(3), 309–348. <https://doi.org/10.1016/j.solmat.2004.07.013>
- Dianggoni, I., Saputra, E., & Pinem, J. A. (2017). Pengolahan Zat Warna Tekstil (Rhodamine B) dengan Teknologi AOP (Advance Oxidation Processes) menggunakan Katalis Ce@Carbon Sphere dan Oksidan Peroxymonosulfate. *Jom Fteknik*, 4(2), 4–5.
- Dyamenahalli, K., Famili, A., & Shandas, R. (2015). Characterization of shape-memory polymers for biomedical applications. In *Shape Memory Polymers for Biomedical Applications*. Elsevier Ltd. <https://doi.org/10.1016/B978-0-85709-698-2.00003-9>
- Farhan, A., Lauren, C. C., & Fuzain, N. A. (2023). Analisis Faktor Pencemaran Air dan Dampak Pola Konsumsi Masyarakat di Indonesia. *Jurnal Hukum Dan HAM Wara Sains*, 2(12), 1095–1103. <https://doi.org/10.58812/jhhws.v2i12.803>
- Garusinghe, U. M., Raghuwanshi, V. S., Batchelor, W., & Garnier, G. (2018). Water Resistant Cellulose-Titanium Dioxide Composites for Photocatalysis. *Scientific Reports*, 8(1), 1–14. <https://doi.org/10.1038/s41598-018-20569-w>
- Girma, W. M., Fahmi, M. Z., Permadi, A., Abate, M. A., & Chang, J. Y. (2017). Synthetic strategies and biomedical applications of I-III-VI ternary quantum dots. *Journal of Materials Chemistry B*, 5(31), 6193–6216. <https://doi.org/10.1039/c7tb01156c>
- Gorumutchu, G. P., Ratnakaram, V. N., & Malladi, S. (2019). Ninhydrin Based Visible Spectrophotometric Determination of Gemigliptin. *Oriental Journal of Chemistry*, 35(1), 363–369. <https://doi.org/10.13005/ojc/350145>
- Guan, X. (2021). How Does the Conjugated Structure in Organic Compounds Affect Its Color. *Chemistry and Medical Engineering, Icbcme*, 1–8. <https://doi.org/10.25236/icbcme.2021.036>
- Hameed, A., Montini, T., Gombac, V., & Fornasiero, P. (2008). Surface Phases and Photocatalytic Activity Correlation of Bi₂O₃/Bi₂O_{4-x} Nanocomposite. *Journal Am Chem Soc*, 9658–9659. <https://doi.org/https://doi.org/10.1021/ja803603y>
- Hariganesh, S., Vadivel, S., Maruthamani, D., & Rangabhashiyam, S. (2020). Disinfection by-products in drinking water: detection and treatment methods. In *Disinfection By-products in Drinking Water: Detection and Treatment*. LTD. <https://doi.org/10.1016/B978-0-08-102977-0.00013-5>
- Herrero, Y. R., Camas, K. L., & Ullah, A. (2023). Chapter 4 - Characterization of biobased materials. *Advanced Applications of Biobased Materials*, 111–143. <https://doi.org/10.1016/B978-0-323-91677-6.00005-2>
- Herrmann, J. M. (1999). Heterogeneous photocatalysis: fundamentals and applications to the removal of various types of aqueous pollutants. *Catalysis Today*, 53(1), 115–129. [https://doi.org/10.1016/S0920-5861\(99\)00107-8](https://doi.org/10.1016/S0920-5861(99)00107-8)

- Hu, Q., Ji, M., Di, J., Wang, B., Xia, J., Zhao, Y., & Li, H. (2018). Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. *Journal of Colloid and Interface Science*, *519*, 263–272. <https://doi.org/10.1016/j.jcis.2018.02.057>
- Hu, S., Tian, R., Wu, L., Zhao, Q., & Yang, J. (2013). *Chemical Regulation of Carbon Quantum Dots from Synthesis to Photocatalytic Activity*. 1035–1041. <https://doi.org/10.1002/asia.201300076>
- Ibrahim, N. I., & Omer, M. M. B. E. (2020). The effect of wavelength of light on solar electrical performance. *2020 28th Conference on Nuclear Engineering Joint With the ASME 2020 Power Conference*. <https://doi.org/10.1115/POWER2020-16096>
- Iribe, J., Hamada, T., Kim, H., Voegtler, M., & Bauer, C. A. (2020). Rolling the Dice: Modeling First- And Second-Order Reactions via Collision Theory Simulations in an Undergraduate Laboratory. *Journal of Chemical Education*, *97*(3), 764–771. <https://doi.org/10.1021/acs.jchemed.9b00657>
- Iwuozor, K. O., Ighalo, J. O., Emenike, E. C., Ogunfowora, L. A., & Igwegbe, C. A. (2021). Adsorption of methyl orange: A review on adsorbent performance. *Current Research in Green and Sustainable Chemistry*, *4*(July), 100179. <https://doi.org/10.1016/j.crgsc.2021.100179>
- Jones, R. M. (2018). *Mechanics of composite materials*. Springer Berlin Heidelberg.
- Julianto, H., Farid, M., & Rasyida, A. (2017). Ekstraksi Nanoselulosa dengan Metode Hidrolisis Asam sebagai Penguat Komposit Absorpsi Suara. *Jurnal Teknik ITS*, *6*(2), 242–245.
- Kishor, R., Purchase, D., Saratale, G. D., Romanholo Ferreira, L. F., Hussain, C. M., Mulla, S. I., & Bharagava, R. N. (2021). Degradation mechanism and toxicity reduction of methyl orange dye by a newly isolated bacterium *Pseudomonas aeruginosa* MZ520730. *Journal of Water Process Engineering*, *43*(June), 102300. <https://doi.org/10.1016/j.jwpe.2021.102300>
- Lakowicz, J. R. (2006). *Principles of Fluorescence Spectroscopy* (third). Springer.
- Larsson, M. A., Ramachandran, P., Jarujamrus, P., & Lee, H. L. (2022). Microwave Synthesis of Blue Emissive N-Doped Carbon Quantum Dots as a Fluorescent Probe for Free Chlorine Detection. *Sains Malaysiana*, *51*(4), 1197–1212. <https://doi.org/10.17576/jsm-2022-5104-20>
- Li, F., Wang, G., Ren, J., & Sun, C. (2022). Synthesis Methods and Influencing Factors of Metal Organic Framework Material MIL-53. *Journal of Physics: Conference Series*, *2194*(1), 0–5. <https://doi.org/10.1088/1742-6596/2194/1/012030>
- Lim, S. Y., Shen, W., & Gao, Z. (2015). Carbon quantum dots and their applications. *Chemical Society Reviews*, *44*(1), 362–381. <https://doi.org/10.1039/c4cs00269e>

- Lima-Tenório, M. K., Gómez Pineda, E. A., Ahmad, N. M., Fessi, H., & Elaissari, A. (2015). Magnetic nanoparticles: In vivo cancer diagnosis and therapy. *International Journal of Pharmaceutics*, 493(1–2), 313–327. <https://doi.org/10.1016/j.ijpharm.2015.07.059>
- Liu, X., Deng, H., Yao, W., Jiang, Q., & Shen, J. (2015). Preparation and photocatalytic activity of Y-doped Bi₂O₃. *Journal of Alloys and Compounds*, 651, 135–142. <https://doi.org/10.1016/j.jallcom.2015.08.068>
- Liu, Y., & Zhang, D. (2017). Effects of structural differences of graphene and the preparation strategies on the photocatalytic activity of graphene–TiO₂ composite film. *Journal of Materials Science: Materials in Electronics*, 28(6), 4965–4973. <https://doi.org/10.1007/s10854-016-6150-5>
- Lusiana, N., Rahadi, B., & Anugroho, F. (2017). Identifikasi Kesesuaian Penggunaan Lahan Pertanian Dan Tingkat Pencemaran Air Sungai Di Das Brantas Hulu Kota Batu. *Jurnal Teknologi Pertanian*, 18(2), 129–142. <https://doi.org/10.21776/ub.jtp.2017.018.02.13>
- Makula, P., Pacia, M., & Macyk, W. (2018). How To Correctly Determine the Band Gap Energy of Modified Semiconductor Photocatalysts Based on UV-Vis Spectra. *Journal of Physical Chemistry Letters*, 9(23), 6814–6817. <https://doi.org/10.1021/acs.jpcclett.8b02892>
- Mallahi, M., Shokuhfar, A., Vaezi, M. R., Esmaeilirad, A., & Mazinani, V. (2014). Synthesis and characterization of Bismuth oxide nanoparticles via sol-gel method. *American Journal of Engineering Research*, 03(04), 162–165.
- Mane, V., Dake, D., Raskar, N., Sonpir, R., Stathatos, E., & Dole, B. (2024). A review on Bi₂O₃ nanomaterial for photocatalytic and antibacterial applications. *Chemical Physics Impact*, 8(November 2023), 100517. <https://doi.org/10.1016/j.chphi.2024.100517>
- Mohamed, M. A., Jaafar, J., Ismail, A. F., Othman, M. H. D., & Rahman, M. A. (2017). Fourier Transform Infrared (FTIR) Spectroscopy. In *Membrane Characterization*. Elsevier B.V. <https://doi.org/10.1016/B978-0-444-63776-5.00001-2>
- MS, J., Nambiar, A., & A, S. (2023). Modulating the fluorescence properties of carbon dots by varying the stoichiometric ratios of citric acid and urea during the synthesis. *Materials Today Communications*, 37(July), 107199. <https://doi.org/10.1016/j.mtcomm.2023.107199>
- Nagaraja, P., & Bhaskara, B. L. (2006). Sensitive spectrophotometric assessment of carbofuran using dapsone as a new chromogenic reagent in formulations and environmental samples. *Ecletica Quimica*, 31(4), 43–48. <https://doi.org/10.1590/S0100-46702006000400006>
- Nain, S., Singh, R., & Ravichandran, S. (2019). Importance of Microwave Heating in Organic Synthesis. *Advanced Journal of Chemistry, Section A*, 2(2), 94–104. <https://doi.org/10.29088/SAMI/AJCA.2019.2.94104>
- Ngo, T.-D. (2020). Composite and Nanocomposite Materials - From Knowledge to

Industrial Applications. In *IntechOpen*.
<https://doi.org/10.5772/intechopen.80186>

- Pandey, P. K., Chauhan, V., Dixit, P., & Pandey, P. C. (2022). Role of Na⁺ co-doping in luminescence enhancement of Bi₂O₃: Sm³⁺ nanophosphors. *Materials Science in Semiconductor Processing*, 150(June), 106915. <https://doi.org/10.1016/j.mssp.2022.106915>
- Qu, S., Wang, X., Lu, Q., Liu, X., & Wang, L. (2012). A biocompatible fluorescent ink based on water-soluble luminescent carbon nanodots. *Angewandte Chemie - International Edition*, 51(49), 12215–12218. <https://doi.org/10.1002/anie.201206791>
- Que, Q., Xing, Y., He, Z., Yang, Y., Yin, X., & Que, W. (2017). Bi₂O₃/Carbon quantum dots heterostructured photocatalysts with enhanced photocatalytic activity. *Materials Letters*, 209, 220–223. <https://doi.org/10.1016/j.matlet.2017.07.115>
- Rohmawati, H., Fitriasnani, M. E., Purnani, W. T., & Dewi, R. K. (2021). Effect of Rhodamine b against the Number of Primary Follicles in White Rats (*Rattus norvegicus*). *Journal of Physics: Conference Series*, 1899(1). <https://doi.org/10.1088/1742-6596/1899/1/012070>
- Samian, Z., A. H., & Yasin, M. (2016). Detection of Rhodamine B levels in distilled water based on displacement sensor using fiber coupler and concave mirror. *Optoelectronics and Advanced Materials*, 18, 988–992.
- Satyavani, T. V. S. L., Srinivas Kumar, A., & Subba Rao, P. S. V. (2016). Methods of synthesis and performance improvement of lithium iron phosphate for high rate Li-ion batteries: A review. *Engineering Science and Technology, an International Journal*, 19(1), 178–188. <https://doi.org/10.1016/j.jestch.2015.06.002>
- Seedad, R., Khuthinakhun, S., Ratanawimarnwong, N., Jittangprasert, P., Mantim, T., & Songsrirote, K. (2021). Carbon dots prepared from citric acid and urea by microwave-assisted irradiation as a turn-on fluorescent probe for allantoin determination. *New Journal of Chemistry*, 45(47), 22424–22431. <https://doi.org/10.1039/d1nj03284d>
- Setyawan, H. P., & Suryani, O. (2024). Modified Titanium Oxide with Metal Doping as Photocatalyst in Photochemical Water Splitting. *Jurnal Sains Natural*, 14(1), 01–12. <https://doi.org/10.31938/jsn.v14i1.652>
- Sharma, A. K., Bhandari, R., Aherwar, A., & Rimašauskiene, R. (2020). Matrix materials used in composites: A comprehensive study. *Materials Today: Proceedings*, 21, 1559–1562. <https://doi.org/10.1016/j.matpr.2019.11.086>
- Sharma, S., Mehta, S. K., Ibhaddon, A. O., & Kansal, S. K. (2019). Fabrication of novel carbon quantum dots modified bismuth oxide (α -Bi₂O₃/C-dots): Material properties and catalytic applications. *Journal of Colloid and Interface Science*, 533, 227–237. <https://doi.org/10.1016/j.jcis.2018.08.056>
- Sharma, S., & Chowdhury, P. (2023). Fluorescence signal from carbon quantum

- dots synthesized from natural resources. *Materials Today: Proceedings*, xxx, 1–5. <https://doi.org/10.1016/j.matpr.2023.05.676>
- Sonawane, G. H., Patil, S. P., & Sonawane, S. H. (2018). Nanocomposites and Its Applications. In *Applications of Nanomaterials: Advances and Key Technologies*. Elsevier Ltd. <https://doi.org/10.1016/B978-0-08-101971-9.00001-6>
- Sutanto, H., Alkian, I., Romanda, N., Lewa, I. W. L., Marhaendrajaya, I., & Triadyaksa, P. (2020). High green-emission carbon dots and its optical properties: Microwave power effect. *AIP Advances*, 10(5). <https://doi.org/10.1063/5.0004595>
- Tahad, A., & Sanjaya, A. S. (2018). Isoterm Freundlich, Model Kinetika, dan Penentuan Laju Reaksi Adsorpsi Besi dengan Arang Aktif dari Ampas Kopi. *Jurnal Chemurgy*, 1(2), 13. <https://doi.org/10.30872/cmng.v1i2.1140>
- Taufik, I. (2011). Pencemaran Pestisida Pada Perairan Perikanan Di Sukabumi-Jawa Barat. *Media Akuakultur*, 6(1), 69. <https://doi.org/10.15578/ma.6.1.2011.69-75>
- Tomal, W., Świergosz, T., Pilch, M., Kasprzyk, W., & Ortyl, J. (2021). New horizons for carbon dots: Quantum nano-photoinitiating catalysts for cationic photopolymerization and three-dimensional (3D) printing under visible light. *Polymer Chemistry*, 12(25), 3661–3676. <https://doi.org/10.1039/d1py00228g>
- Tomovska, R., Agirre, A., Veloso, A., & Leiza, J. R. (2014). Characterization Techniques for Polymeric Materials. In *Reference Module in Chemistry, Molecular Sciences and Chemical Engineering*. Elsevier Inc. <https://doi.org/10.1016/b978-0-12-409547-2.10910-2>
- Tushar, R., & Babita, A. (2013). Transmission Electron Microscopy - An Overview. *International Research Journal for Inventions in Pharmaceutical Sciences, March*.
- Ulya, A., Nasra, E., Amran, A., & Kurniawati, D. (2022). Adsorpsi Zat Warna Rhodamine B Dengan Karbon Aktif Kulit Durian sebagai Adsorben. *Periodic*, 11(2), 74. <https://doi.org/10.24036/p.v11i2.113371>
- Vásquez, F. C., Delgado, F. P., Mendoza, J. E. M., Flores, W. A., Lardizabal, D., Nuñez, G. A., & Berhault, G. (2016). Shape and size controlled growth of SnO₂ nano-particles by efficient approach. *Superlattices and Microstructures*, 90, 274–287. <https://doi.org/10.1016/j.spmi.2015.12.014>
- Wu, C., Shen, L., Huang, Q., & Zhang, Y. C. (2011). Hydrothermal synthesis and characterization of Bi₂O₃ nanowires. *Materials Letters*, 65(7), 1134–1136. <https://doi.org/10.1016/j.matlet.2011.01.021>
- Wu, L., Liu, X., Lv, G., Zhu, R., Tian, L., Liu, M., Li, Y., Rao, W., Liu, T., & Liao, L. (2021). Study on the adsorption properties of methyl orange by natural one-dimensional nano-mineral materials with different structures. *Scientific Reports*, 11(1), 1–11. <https://doi.org/10.1038/s41598-021-90235-1>
- Wu, Y., Xiao, H., Jia, S., Zhang, W., Yin, H., Chen, H., Li, X., Zhang, Y., & Lau,

- W. (2024). 1D/2D Bi₂O₃/Ov-Bi₂MoO₆ p-n junction for efficient photocatalytic N₂ fixation. *Journal of Alloys and Compounds*, 1001(April), 175171. <https://doi.org/10.1016/j.jallcom.2024.175171>
- Xian, T., Sun, X., Di, L., Zhou, Y., Ma, J., Li, H., & Yang, H. (2019). Carbon quantum dots (CQDs) decorated Bi₂O₃-x hybrid photocatalysts with promising NIR-light-driven photodegradation activity for AO7. *Catalysts*, 9(12). <https://doi.org/10.3390/catal9121031>
- Yang, G., & Park, S. J. (2019). Conventional and Microwave Hydrothermal Synthesis and Application of Functional Materials: A Review. *Materials* 2019, Vol. 12, Page 1177, 12(7), 1177. <https://doi.org/10.3390/MA12071177>
- Yang, H. L., Bai, L. F., Geng, Z. R., Chen, H., Xu, L. T., Xie, Y. C., Wang, D. J., Gu, H. W., & Wang, X. M. (2023). Carbon quantum dots: Preparation, optical properties, and biomedical applications. *Materials Today Advances*, 18, 100376. <https://doi.org/10.1016/j.mtadv.2023.100376>
- Yang, S., Chen, C., Liu, L., Zhu, L., & Xu, X. (2017). Facile fabrication of micro-fluoriated AgBr/Bi₂O₃ as highly efficient visible-light photocatalyst. *Materials Research Bulletin*, 92, 29–38. <https://doi.org/10.1016/j.materresbull.2017.03.055>
- Yeo, J. D., & Shahidi, F. (2018). Analysis of flavonoid-protein interactions by advanced techniques. In *Encyclopedia of Food Chemistry* (Vol. 2, Issue 1999). Elsevier. <https://doi.org/10.1016/B978-0-08-100596-5.21507-2>
- Yu, T., Wang, H., Guo, C., Zhai, Y., Yang, J., & Yuan, J. (2018). A rapid microwave synthesis of green-emissive carbon dots with solid-state fluorescence and pH-sensitive properties. *Royal Society Open Science*, 5(7). <https://doi.org/10.1098/rsos.180245>
- Yuda, R. C., Irdiansyah, & Prihatiningtyas, I. (2017). Studi Kinetika Pengaruh Suhu Terhadap Ekstraksi Minyak Atsiri Dari Kulit Jeruk Nipis Dengan Pelarut Etanol. *Jurnal Chemurgy*, 01(1), 22–26.
- Yuniarti, E. (2021). Sintesis Dan Karakteristik Optik Carbon Quantum Dot Yang Berasal Dari Asam Sitrat Dengan Variasi Massa Urea. *Komunikasi Fisika Indonesia*, 18(2), 99. <https://doi.org/10.31258/jkfi.18.2.99-105>
- Zuhaela, I. A., Cahyani, M. R., Saraswati, T. E., Kusumandari, K., Anwar, M., Suselo, Y. H., Ismayenti, L., & Rahardjo, S. B. (2021). The chemical kinetics studies of methylene blue degradation treated in dielectric barrier discharge (DBD) plasma with and without TiO₂ photocatalyst. *Journal of Physics: Conference Series*, 1912(1). <https://doi.org/10.1088/1742-6596/1912/1/012009>