

## DAFTAR PUSTAKA

- Amenta, J. S. (1970). A Rapid Extraction and Quantification of Total Lipids and Lipid Fractions in Blood and Feces. *Clinical Chemistry*, 14(4), 339–346.  
<https://doi.org/10.1093/CLINCHEM/14.4.339>
- Badan Standardisasi Nasional, ISO 6519: 2016. *Kertas dan Karton untuk Kemasan Pangan*. Jakarta: Badan Standardisasi Nasional 2016.
- Barcia, J. J. (2007). The Giemsa stain: its history and applications. *International Journal of Surgical Pathology*, 15(3), 292–296.  
<https://doi.org/10.1177/1066896907302239>
- Becker, G. W., Bottenbruch, L., Binsack, R., Braun, D. (1998). *Rekayasa Termoplastik. Poliamida*. (dalam bahasa Jerman) Hanser Verlag. ISBN 3-446-16486-3
- Cajal, S. (1896). *El azul de metileno en los centros nerviosos*. Rev. Trimest. Microgr, 1, pp. 151-203.
- Carraher, Jr., C. E. (2003). *Seymour/Carraher's Polymer Chemistry: Sixth Edition*. 960.
- Chuang, W. Y., Young, T. H., Chiu, W. Y., & Lin, C. Y. (2000). The effect of polymeric additives on the structure and permeability of poly(vinyl alcohol) asymmetric membranes. *Polymer*, 41(15), 5633–5641. [https://doi.org/10.1016/S0032-3861\(99\)00818-6](https://doi.org/10.1016/S0032-3861(99)00818-6)
- Coulibaly, B., Zoungrana, A., Mockenhaupt, F. P., Schirmer, R. H., Klose, C., Mansmann, U., Meissner, P. E., & Müller, O. (2009). Strong Gametocytocidal Effect of Methylene Blue-Based Combination Therapy against Falciparum Malaria: A Randomised Controlled Trial. *PLOS ONE*, 4(5), e5318.  
<https://doi.org/10.1371/JOURNAL.PONE.0005318>
- Das, L., Das, P., Bhowal, A., & Bhattacharjee, C. (2020). Synthesis of hybrid hydrogel nano-polymer composite using Graphene oxide, Chitosan and PVA and its application in waste water treatment. *Environmental Technology & Innovation*, 18, 100664. <https://doi.org/10.1016/J.ETI.2020.100664>
- Deshmukh, K., Ahamed, M. B., Deshmukh, R. R., Bhagat, P. R., Pasha, S. K. K., Bhagat, A., Shirbhate, R., Telare, F., & Lakhani, C. (2016). Influence of K<sub>2</sub>CrO<sub>4</sub> Doping on the Structural, Optical and Dielectric Properties of Polyvinyl Alcohol/K<sub>2</sub>CrO<sub>4</sub> Composite Films.  
[Http://Dx.Doi.Org/10.1080/03602559.2015.1055499](http://Dx.Doi.Org/10.1080/03602559.2015.1055499), 55(3), 231–241.  
<https://doi.org/10.1080/03602559.2015.1055499>

Enhrenstein, G. W., Theriault, R. P. (2001). Bahan polimer: struktur, sifat, aplikasi .  
*Hanser Verlag. hlm. 67–78. ISBN 978-1-56990-310-0*

Ehrlich, P. (1886). *Über die Methylenblaureaktion der lebenden Nervensubstanz.*  
*Dtsch. Med. Wochenschr.*, 12 , pp. 49-52.

Farah, Andriana. (2012). *Coffe Constituent Emerging Health Effect and Disease Prevention*, First Edition. John WILEY & Sons, Inc and Institute of Food Technologist (USA) : Wiley-Blackwell Publising Ltd.

Färber, P. M., Arscott, L. D., Williams, C. H., Becker, K., & Schirmer, R. H. (1998). Recombinant Plasmodium falciparum glutathione reductase is inhibited by the antimalarial dye methylene blue. *FEBS Letters*, 422(3), 311–314.  
[https://doi.org/10.1016/S0014-5793\(98\)00031-3](https://doi.org/10.1016/S0014-5793(98)00031-3)

Faustini, Marco; Drisko, Glenna L; Boissiere, Cedric; Grosso, D. (2014). No Title. *Liquid Deposition Approaches to Self-Assembled Periodic Nanomasks. Scripta Materialia.*, 74, 13–18. <https://doi.org/doi:10.1016/j.scriptamat.2013.07.029>

Fleischer, B. (2004). Editorial: 100 years ago: Giemsa's solution for staining of plasmodia. *Tropical Medicine & International Health : TM & IH*, 9(7), 755–756.  
<https://doi.org/10.1111/J.1365-3156.2004.01278.X>

García-López, P., García-Marín, V., & Freire, M. (2007). The discovery of dendritic spines by Cajal in 1888 and its relevance in the present neuroscience. *Progress in Neurobiology*, 83(2), 110–130.  
<https://doi.org/10.1016/J.PNEUROBIO.2007.06.002>

Goosen, M., F., A. (1996). Applications of Chitan and Chitosan. *CRC Press. pp. 132–9. ISBN 978-1-56676-449-0*

Hallensleben, M. L. (2000). Senyawa Polivinil, Lainnya. *Ensiklopedia Kimia Industri Ullmann* . Weinheim: Wiley-VCH. doi : 10.1002 /14356007.a21\_743

Heath, D. E., & Cooper, S. L. (2013). Polymers: Basic Principles. *Biomaterials Science: An Introduction to Materials: Third Edition, December 2013*, 64–79.  
<https://doi.org/10.1016/B978-0-08-087780-8.00008-5>

Kim, M. S., Min, H. G., Koo, N., Park, J., Lee, S. H., Bak, G. I., & Kim, J. G. (2014). The effectiveness of spent coffee grounds and its biochar on the amelioration of heavy metals-contaminated water and soil using chemical and biological assessments. *Journal of Environmental Management*, 146, 124–130.  
<https://doi.org/10.1016/J.JENVMAN.2014.07.001>

- Kohlpaintner, C., Schulte, M., Falbe, J., Lappe, P., Weber, J. (2005). Aldehydes, Aliphatic, *Ullmann's Encyclopedia of Industrial Chemistry*, Weinheim: Wiley-VCH. doi:10.1002/14356007.a01\_321.pub2
- Krebs, F. C. (2009). Fabrication and processing of polymer solar cells: A review of printing and coating techniques. *Solar Energy Materials and Solar Cells*, 93(4), 394–412. <https://doi.org/10.1016/J.SOLMAT.2008.10.004>
- Lee, D. W., Lim, C., Israelachvili, J. N., & Hwang, D. S. (2013). Strong adhesion and cohesion of chitosan in aqueous solutions. *Langmuir: The ACS Journal of Surfaces and Colloids*, 29(46), 14222. <https://doi.org/10.1021/LA403124U>
- Lehmann, J. (1966). Pengamatan kristalisasi zat polimer tinggi dari larutan dengan resonansi magnetik nuklir. *Ilmu Koloid & Polimer*. 212 (2): 167-168. doi : 10.1007 / BF01553085 . S2CID 96640893.
- Lim, C., Lee, D. W., Israelachvili, J. N., Jho, Y., & Hwang, D. S. (2015). Contact time- and pH-dependent adhesion and cohesion of low molecular weight chitosan coated surfaces. *Carbohydrate Polymers*, 117, 887–894. <https://doi.org/10.1016/J.CARBPOL.2014.10.033>
- Linden, J. C., & Stoner, R. J. (2007). Pre-harvest application of proprietary elicitor delays fruit senescence. *Advances in Plant Ethylene Research*, 301–302. [https://doi.org/10.1007/978-1-4020-6014-4\\_65](https://doi.org/10.1007/978-1-4020-6014-4_65)
- Mahendia, S., Tomar, A. K., & Kumar, S. (2011). Nano-Ag doping induced changes in optical and electrical behaviour of PVA films. *Materials Science and Engineering: B*, 176(7), 530–534. <https://doi.org/10.1016/J.MSEB.2011.01.008>
- Mahmoud, K. H. (2015). Synthesis, characterization, optical and antimicrobial studies of polyvinyl alcohol-silver nanocomposites. *Spectrochimica Acta. Part A, Molecular and Biomolecular Spectroscopy*, 138, 434–440. <https://doi.org/10.1016/J.SAA.2014.11.074>
- Moad, G., Rizzardo, E., & Thang, S. H. (2005). Living radical polymerization by the RAFT process. *Australian Journal of Chemistry*, 58(6), 379–410. <https://doi.org/10.1071/CH05072>
- Moghadas, B., Solouk, A., & Sadeghi, D. (2020). Development of chitosan membrane using non-toxic crosslinkers for potential wound dressing applications. *Polymer Bulletin* 2020 78:9, 78(9), 4919–4929. <https://doi.org/10.1007/S00289-020-03352-8>
- Nam, G., Kim, M. S., Lee, N., Choi, Y. H., & Ahn, J. W. (2017). An Environmentally Benign Approach for As (V) Absorption from Wastewater Using Untreated Coffee

Grounds—Preliminary Results. *Water* 2017, Vol. 9, Page 867, 9(11), 867.

<https://doi.org/10.3390/W9110867>

Nitayaphat, W. (2017). Chitosan/coffee residue composite beads for removal of reactive dye. *Materials Today: Proceedings*, 4(5), 6274–6283.

<https://doi.org/10.1016/J.MATPR.2017.06.127>

Patil, N., Balzano, L., Portale, G., Rastogi, S. (2010). Sebuah Studi tentang Interaksi Rantai-Partikel dan Rasio Aspek dari Nanopartikel pada Pengembangan Struktur Polimer Linier. *Makromolekul*. 43(16): 6749-6759. *Bibcode* : 2010MaMol..43.6749P . doi : 10.1021 / ma100636v . ISSN 0024-9297

Pawde, S. M., & Deshmukh, K. (2008). Characterization of polyvinyl alcohol/gelatin blend hydrogel films for biomedical applications. *Journal of Applied Polymer Science*, 109(5), 3431–3437. <https://doi.org/10.1002/APP.28454>

Rajiv Kohli., K. L. Mittal. (2019). Methods for Assessing Surface Cleanliness. *Developments in Surface Contamination and Cleaning, Volume 12*, 23–105. <https://doi.org/10.1016/B978-0-12-816081-7.00003-6>

Rogers, P. J., & Démoncourt, C. (1998). Regular Caffeine Consumption: A Balance of Adverse and Beneficial Effects for Mood and Psychomotor Performance. *Pharmacology Biochemistry and Behavior*, 59(4), 1039–1045. [https://doi.org/10.1016/S0091-3057\(97\)00515-7](https://doi.org/10.1016/S0091-3057(97)00515-7)

Shahbazi, R., Kermanshahi, R. K., Gharavi, S., Nejad, Z. M., Borzooee, F. (2013). Screening of SDS-degrading bacteria from car wash wastewater and study of the alkylsulfatase enzyme activity. *IJM*, 5(2), 153-158.

Shimpi, N. G. (2017). Biodegradable and biocompatible polymer composites: Processing, properties and applications. *Biodegradable and Biocompatible Polymer Composites: Processing, Properties and Applications*, 1–433. <https://doi.org/10.1016/C2015-0-05524-1>

Strazzi Sahyon, H. B., Silva, P. P. da, Oliveira, M. S. de, Cintra, L. T. A., Dezan-Júnior, E., Gomes-Filho, J. E., Jacinto, R. de C., dos Santos, P. H., & Sivieri-Araujo, G. (2019). Influence of curcumin photosensitizer in photodynamic therapy on the mechanical properties and push-out bond strength of glass-fiber posts to intraradicular dentin. *Photodiagnosis and Photodynamic Therapy*, 25, 376–381. <https://doi.org/10.1016/J.PDPDT.2019.01.025>

Strazzi-Sahyon, H. B., de Oliveira, M. S., da Silva, P. P., Banci, H. A., de Melo, F. S., Martinez, C. M. T., Cintra, L. T. A., Gomes-Filho, J. E., Dezan-Júnior, E., dos Santos, P. H., & Sivieri-Araujo, G. (2020). Does photodynamic therapy with methylene blue affect the mechanical properties and bond strength of glass-fiber

posts in different thirds of intraradicular dentin? *Photodiagnosis and Photodynamic Therapy*, 30. <https://doi.org/10.1016/j.pdpdt.2020.101673>

Suwanto, A., Soka, S., & Candra, K. P. (2008). *Teknik Percobaan dalam Genetika Molekuler*. 53.

[https://www.researchgate.net/publication/256456436\\_Teknik\\_Percobaan\\_dalam\\_Genetika\\_Molekuler](https://www.researchgate.net/publication/256456436_Teknik_Percobaan_dalam_Genetika_Molekuler)

Tan, C. D., Rodriguez, E. R. (2010). *Blue dye, green heart*. *Cardiovasc. Pathol*, 19 , pp. 125-126.

Thielen, M., Hartwig, K. (2006). Peter Gust: Cetakan tiup dari artikel plastik Hanser Verlag, ISBN 3-446-22671-0.

Uhr, H., Mielke, B., Exner, O., Payne, K. R., Hill, E. (2005). *Ullmann's Encyclopedia of Industrial Chemistry*. Biocides, Weinheim: Wiley-VCH. doi:10.1002/14356007.a16\_563.pub2

Uragami, Tadashi., & Tokura, S. (Seiichi). (2006). *Material science of Chitin and Chitosan*. 284.

Vennerstrom, J. L., Makler, M. T., Angerhofer, C. K., Williams, J.A. (1995). *Antimalarial dyes revisited: xanthenes, azines, oxazines, and thiazines*. *Antimicrob. Agents Chemother*, 39 , pp. 2671-2677.

Wainwright, M., & Amaral, L. (2005). The phenothiazinium chromophore and the evolution of antimalarial drugs. *Tropical Medicine & International Health : TM & IH*, 10(6), 501–511. <https://doi.org/10.1111/J.1365-3156.2005.01417.X>

Wang, X., Yucel, T., Lu, Q., Hu, X., & Kaplan, D. L. (2010). Silk nanospheres and microspheres from silk/pva blend films for drug delivery. *Biomaterials*, 31(6), 1025–1035. <https://doi.org/10.1016/J.BIOMATERIALS.2009.11.002>

Warth, A., Goeppert, B., Bopp, C., Schirmacher, P., Flechtenmacher, C., & Burhenne, J. (2009). Turquoise to dark green organs at autopsy. *Virchows Archiv: An International Journal of Pathology*, 454(3), 341–344. <https://doi.org/10.1007/S00428-009-0734-X>

Xu, X., Zhao, J., Wang, M., Wang, L., Yang, J. (2019). *Tablet Polivinil Alkohol Cetak 3D dengan Profil Rilis Ganda*. Laporan Ilmiah, 9(1), 12487. doi : 10.1038 / s41598-019-48921-8. PMC 6713737. PMID 31462744.

Zhu, J., & Marchant, R. E. (2011). Design properties of hydrogel tissue-engineering scaffolds. *Expert Review of Medical Devices*, 8(5), 607–626. <https://doi.org/10.1586/ERD.11.27>