

## DAFTAR PUSTAKA

- Andarini, Y.N., 2018, Variabilitas Karakter Morfologi Plasma Nutfah Talas ( *Colocasia esculenta* ) Lokal Pulau Jawa ( Morphological Character Variability of Javanese Local Taro [ *Colocasia esculenta* ] Germplasm ), 24, 1, 63–76.
- Budziak, C.J. & Neumann, A.W., 1990, Automation of the capillary rise technique for measuring contact angles, *Colloids and Surfaces*, 43, 2, 279–293.
- Burton, Z. & Bhushan, B., 2006, Surface characterization and adhesion and friction properties of hydrophobic leaf surfaces, *Ultramicroscopy*, 106, 8–9, 709–719.
- Cassie, A.B.D. & Baxter, S., 1944, Wettability of Porous Surfaces, *Trans. Faraday Soc.*, 40, 5, 546–551.
- Chang, R., 2005, Kimia Dasar: Konsep-Konsep Inti Edisi Ketiga Jilid 2, *Kim. Dasar Konsep-Konsep Inti Ed. Ketiga Jilid 2*, 430.
- Criddel, W., Koziel, J., Leuween, J. & Jenks, W., 2019, Ethanol, 3, 39–46.
- Darmanin, T. & Guittard, F., 2015, Superhydrophobic and superoleophobic properties in nature, *Mater. Today*, 18, 5, 273–285.
- Fan, L.T., Yuan, X.G., Zhou, C.X., Zeng, A.W., Yu, K.T., Kalbassi, M. & Porter, K., 2011, Contact angle of ethanol and n-propanol aqueous solutions on metal surfaces, *Chem. Eng. Technol.*, 34, 9, 1535–1542.
- Fang, Y., Sun, G., Cong, Q., Chen, G. hua & Ren, L. quan, 2008, Effects of Methanol on Wettability of the Non-Smooth Surface on Butterfly Wing, *J. Bionic Eng.*, 5, 2, 127–133.
- Finneran, I.A., Carroll, P.B., Allodi, M.A. & Blake, G.A., 2015, Hydrogen bonding in the ethanol-water dimer, *Phys. Chem. Chem. Phys.*, 17, 37, 24210–24214.
- Fu, Y., Maguire, R., Liu, H. & Zhong, W.H., 2011, Special wetting behavior of a graphitic nanofiber-modified epoxy generalized for rough textured fabric surfaces, *Colloid Polym. Sci.*, 289, 2, 141–148.

- Ghoufi, A., Artzner, F. & Malfreyt, P., 2016, Physical Properties and Hydrogen-Bonding Network of Water-Ethanol Mixtures from Molecular Dynamics Simulations, *J. Phys. Chem. B*, 120, 4, 793–802.
- Ho, S.L., Johnson, B.A. & Leon, M., 2006, Long Hydrocarbon Chains Serve as Unique Molecular Features Recognized by Ventral Glomeruli of the Rat Olfactory Bulb, *J. Comp. Neurol.*, 498, 1, 16–30.
- Jespersen, N.D., Brady, J.E. & Hyslop, A., 2011, *Chemistry: The Molecular Nature of Matter*, edisi 6, Wiley.
- Ma, J., Sun, Y., Gleichauf, K., Lou, J. & Li, Q., 2011, Nanostructure on taro leaves resists fouling by colloids and bacteria under submerged conditions, *Langmuir*, 27, 16, 10035–10040.
- Mizerski, A., 2018, Wetting properties of aqueous short-chain alcohols' solutions, *MATEC Web Conf.*, 247, 1–9.
- Mojiri, H. & Aliofkhazraei, M., 2017, *Effect of Surface Roughness on Wetting Properties*, Elsevier Ltd.
- Munoz-Munoz, Y.M., Guevara-Carrion, G. & Vrabec, J., 2018, Molecular Insight into the Liquid Propan-2-ol + Water Mixture, *J. Phys. Chem. B*, 122, 37, 8718–8729.
- Nasri, N.S., Ahmed, M.M., Mohd Noor, N., Mohammed, J., Hamza, U.D. & Mohd Zain, H., 2014, Hydrophobicity characterization of bio-wax derived from taro leaf for surface coating applications, *Adv. Mater. Res.*, 1043, October, 184–188.
- Patra, M., Salonen, E., Terama, E., Vattulainen, I., Faller, R., Lee, B.W., Holopainen, J. & Karttunen, M., 2006, Under the influence of alcohol: The effect of ethanol and methanol on lipid bilayers, *Biophys. J.*, 90, 4, 1121–1135.
- Poole, C.F. & Poole, S.K., 1991, the Column in Liquid Chromatography, *Chromatogr. Today*, 311–544.
- Reichardt, C., 2002, *Solvents and Solvent Effects in Organic Chemistry* Third Edit., Wiley.
- Rianjanu, A., Triyana, K., Nugroho, D.B., Kusumaatmaja, A. & Roto, R., 2019,

- Electrospun polyvinyl acetate nanofiber modified quartz crystal microbalance for detection of primary alcohol vapor, *Sensors Actuators A Phys.*, 301, 111742.
- Silverstein, T.P., 1993, Polarity, miscibility, and surface tension of liquids, *J. Chem. Educ.*, 70, 3, 253.
- Syahara, M.A., Kurniawan, F. & Anggriawan, W., 2016, Study of The Correlation Between Contact Angle Values with The Polarity of Liquids, 2, 1, 187–188.
- Ta, D. V., Dunn, A., Wasley, T.J., Kay, R.W., Stringer, J., Smith, P.J., Connaughton, C. & Shephard, J.D., 2015, Nanosecond laser textured superhydrophobic metallic surfaces and their chemical sensing applications, *Appl. Surf. Sci.*, 357, September, 248–254.
- Tani, H., Yamashita, N., Koganezawa, S. & Tagawa, N., 2018, Taro-leaf inspired patterning of oleophobic surfaces with high wear resistance, *Tribol. Online*, 13, 6, 311–315.
- Triyana, K., Sembiring, A., Rianjanu, A., Hidayat, S.N., Riowirawan, R., Julian, T., Kusumaatmaja, A., Santoso, I. & Roto, R., 2018, Chitosan-based quartz crystal microbalance for alcohol sensing, *Electron.*, 7, 9, 1–11.
- Wenzel, R.N., 1936, Resistance of Solid Surfaces to Wetting by Water, *Ind. Eng. Chem.*, 28, 8, 988–994.
- Yuan, Y. & Lee, T.R., 2013, *Contact Angle and Wetting Properties*, edisi 51, Springer-Verlag Berlin Heidelberg, Berlin.
- Zhang, W., Wahlgren, M. & Sivik, B., 1989, Membrane Characterization by the Contact Angle Technique, *Desalination*, 72, 3, 263–273.
- Zhao, T. & Jiang, L., 2018, Contact angle measurement of natural materials, *Colloids Surfaces B Biointerfaces*, 161, 324–330.