

DAFTAR PUSTAKA

- Alighiri, D., 2010, Sintesis Senyawa Turunan Chalcone dari Vanilin dan Potensi Penggunaannya sebagai Indikator Asam Basa dan Sensor Anion, *Tesis*, Jurusan Kimia FMIPA UGM, Yogyakarta.
- Anonim, 2015, Food and Agriculture Organization Statistic Domains of Vanilla Production, <http://faostat3.fao.org/browse/Q/QC/E>, diakses 21 Oktober 2015.
- Alonso, M., Chapela, S.P., Cristaldo, M.L., Nievas, I., Gamondi, H.I.B.O., and Stella, C.A., 2010, Determination of the pKa Value of Phenolphthalein by Means of Absorbance Measurements, *Creat. Edu.*, 2, 130-133.
- Bamfield, P., 2001, *Chromic Phenomena: The Technological Application of Colour Chemistry*, The Royal Society of Chemistry, Cambridge.
- Brunker, R., 2002, *Advanced Organic Chemistry: Reaction and Mechanisms*, Elsevier, Freiburg.
- Budavari, S., 1996, *The Merck Index*, 12th Ed., Merck & Co., Whitehouse Station.
- Budimarwanti, 2007, *Sintesis Senyawa Bibenzil dari Bahan Awal Vanilin Melalui Reaksi Wittig dan Hidrogenasi Katalitik*, Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, Yogyakarta.
- Cox, B.G., 2013, *Acids and Bases Solvent Effects on Acid-base Strength*, Oxford University Press, Oxford.
- Hermanson, G. T., 2013, *Bioconjugate Techniques*, Third Edition, Academic Press, London.
- Huang, W., Li, Y., Lin, H., and Lin, H., 2012, Colorimetric Recognition of Acetate Anions in Aqueous Solution Using Charge Neutral Azo Derivatives, *Spectrochim. Acta A.*, 86, 437-442.
- Kaimudin, T., 2011, Pengaruh Gugus Nitro Pada Sintesis Turunan Senyawa Azo dari Vanilin Sebagai Senyawa Indikator Asam-Basa dan Sensor Anion, *Tesis*, FMIPA UGM, Yogyakarta.
- Martinez, C. H. R. and Dardonville, C., 2013, Rapid Determination of Ionization Constants (pKa) by UV Spectroscopy Using 96-Well Microtiter Plates, *Med. Chem. Lett.*, 4, 142-145.

- Patterson, G.S., 1999, A Simplified Method for Finding the pKa of an Acid-Base Indicator by Spectrophotometry, *J. Chem. Edu.*, 76(3), 395-398.
- Peng, M. J., Guo, Y., Yang, X. Y., and Wang, L. Y., 2013, A Highly Selective Radiometric and Colorimetric Chemosensor for Cyanide Detection, *Dyes Pigm.*, 98, 327-332.
- Purwono, B. dan Mahardiani, C., 2009, Pembuatan Senyawa Turunan Azo dari Eugenol dan Penggunaannya sebagai Indikator Titrasi, *Indo. J. Chem.*, 9(1), 95-98.
- Puspitasari, D. D., 2015, Sintesis Senyawa 4-((2-(2,4-dinitrofenil)hidrazon)metil)-2-metoksifenol dari Vanilin Sebagai Sensor Kimia, *Skripsi*, Jurusan Kimia FMIPA UGM, Yogyakarta.
- Qu, Y., Hua, J., and Tian, H., 2010, Colorimetric and Radiometric Red Fluorescent Chemosensor for Fluoride Ion Based on Diketopyrrolopyrrole, *Org. Lett.*, 12(15), 3320-3323.
- Reijenga, J., Hoof, A.V., Loon, A.V., and Teunissen, B., 2013, Development of Methods for Determination of pKa Values, *Anal. Chem. Insights*, 8, 53-71.
- Sabnis, R.W., 2007, *Handbook of Acid-Base Indicators*, CRC Press, Boca Raton.
- Saeeduddin, Khanzada, A.W.K., and Mufti, A.T., 1995, Dissociation Constant Studies of Citric Acid at Different Temperatures and in Different Organic-Water Solvent Systems, *Jour. Chem. Soc. Pak.*, 18(2), 81-87.
- Suharman, 2014, Sintesis Turunan Hidrazon dari Vanilin Sebagai Sensor Kolorimetri Anion, *Tesis*, Jurusan Kimia FMIPA UGM, Yogyakarta.
- Supratman, U., 2010, *Elusidasi Struktur Senyawa Organik, Metode Spektroskopi Untuk Penentuan Struktur Senyawa Organik*, Widya Padjajaran, Bandung.
- Ullah, A.K.M.A., Akter, M., Islam, M.N., Haque, M.N., and Maksud, M.A., 2013, Spectrophotometric Method of Determination of Dissociation Constant of 2,5-dinitrophenol in Ethanol-Water Mixtures at 25±0.5 °C, *Der. Pharma. Chemica.*, 5(3), 39-43.
- Zahorik, S., 2011, Potensi Tanaman Vanilla, http://www.apoteker.info/Pojok_Herbal/vanila.html, diakses 2 Oktober 2014.

- Zhang, J.H., Liu, Q., Chen, Y.M., Liu, Z.Q., and Xu, C.W., 2012, Determination of Acid Dissociation Constant of Methyl Red by Multi-Peaks Gaussian Fitting Method Based on UV-Visible Absorption Spectrum, *Acta Phys. -Chim. Sin.*, 28(5), 1030-1036.
- Zhang, Y., Li, Q., Zhang, Q., Lin, Q., Cao, C., Liu, M., and Wei, T., 2011, Novel Hydrazone-Based Tripodal Sensors: Single Selective Colorimetric Chemosensor for Acetate in Aqueous Solution, *Chin. J. Chem.*, 29, 1529-1534.