



DAFTAR PUSTAKA

- Bellitz, H.D., Grosch, V. and Chieberle, P., 2009, *Food Chemistry*, 4th Ed., Springer, Berlin.
- Boltz, D.F. and Howell, J.A., 1978, *Colorimetric Determination on Non Metals*, A While-Interscience Publication, Ontario.
- Cahyadi, W., 2008, *Analisa dan Aspek Kesehatan Bahan Tambahan Pangan*, Bumi Aksara, Jakarta, 4, 252–253, 266–267.
- Cavdar, A.D., Mengeloglu, F. and Karakus, K., 2014, Effect of Boric Acid and Borax on Mechanical, Fire and Thermal Properties of Wood Flour Filled High Density Polyethylene Composites, *J. Measurement*, 78, 1-13.
- Choi, M.K. and Jun, Y.S., 2008, Analysis of Boron Concent in Frequently Consumed Food in Korea, *Biol. Trace Elem.Res.*, 126, 13-16.
- Clarke, L. and Jackson, C.L., 1908, Rosocyanine, *American Chem. J.*, 39, 696-719.
- Demir, B.S. and Serindag, O., 2006, Determination of Boron in Grape (*Vitis vinifera*) by Azomethine-H Spectrophotometric Method, *Eurasian J. Anal. Chem.*, 1, 1-14.
- Dibble, W.T., Troug, E. and Berger K.C., 1965, Boron Determination in Soils and Plants, Simplified Curcumin Procedure, *Anal. Chem.*, 26, 418-421.
- Donaldson, E.M., 1981, Spectrophotometric Determination of Boron in Iron and Steel with Curcumin after Separation by 2-Ethyl-1,3-Hexanediol/Chloroform Extraction, *Talanta*, 825-831.
- Fessenden, R.J. dan Fessenden, J.S., 1999, *Kimia Organik Jilid 2 (diterjemahkan oleh Aloysius H. P)*, Erlangga, Jakarta.
- Gandjar, I.G. dan Rohman, A., 2007, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta.
- Goel, A., Kunnumakkara, A.B. and Aggarwal, B.B., 2008, Curcumin as “Curecumin”: From Kitchen to Clinic, *Biochem. Pharmacol.*, 75, 787-809.
- Goldfrank, L.R., Flomenbaum, N.E., Lewin, N.A. and Weisman, R.S., 1986, *Toxicologic Emergencies*, Appleton Century Crofts, New York.
- Gupta, H. K. L. and Boltz, D. F., 1971, Modified Spectrophotometric Method for the Determination of Traces of Boron Using Quinalizarin in a Sulfuric-Acetic Acid Medium, *Microchim. Acta*, 577-581.
- Harmita, 2004, *Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya*, Majalah Ilmu Kefarmasian, 1, 3, 117-135.



- Harris, D.C., 2010, *Quantitative Chemical Analysis.*, Eighth Edition, W.H. Freeman and Company, New York, 100-110.
- Harvey, D., 2000, *Modern Analytical Chemistry*, The McGraw-Hill Companies, USA.
- Hegge, A.B., Nielsen, T.T., Larsen, K.L., Bruzell, E. and Tonnesen, H.H., 2012, Impact of Curcumin Supersaturation in Antibacterial Photodynamic Therapy—Effect of Cyclodextrin Type and Amount: Studies on Curcumin and Curcuminoides XLV, *J. Pharma. Sci.*, 101, 1524-1537.
- Hosoya, M., Tozawa, K. and Takada, K., 1986, Rapid Technique for Distillation of Methyl Borate for ICP Atomic-Emission Spectrometric Determination of Boron in Steel, *Talanta*, 33, 8.
- Hunt, D.C., Shuler, T.R. and Mullen, L.M., 1991, Concentration of Boron and Other Elements in Human Foods and Personal-care Products, *J. Am. Diet. Assoc.*, 91, 560-561.
- Ince, S., Kucukkurt, I., Cigerci, I.K., Fidan, A.F. and Eryavuz, A., 2010, The Effect of Dietary Boric Acid and Borax Supplementation on Lipid Peroxidation, Antioxidant Activity, and DNA Demage in Rats, *J. Trace Elem. Med. Biol.*, 24, 161-164.
- Jun, Z., Oshima, M. and Motomizu, S., 1988, Determination of Boron with Chromotropic Acid by High-performance Liquid Chromatography, *Analyst*, 113, 1631-1634.
- Krejcova, A. and Cernohorsky, T., 2003, The Determination of Boron in Tea and Coffee by ICP-AES method, *J. Food Chem.*, 82, 303-308.
- Liu, Y., Lee, K., 2009, Modifications of the Curcumin Method Enabling Precise and Accurate Measurement of Seawater Boron Concentration, *Marine Chemistry*, 115, 110-117.
- Lopez, F.J., Gimenez, E. and Hernandez, F., 1993, Analytical Study on the Determination of Boron in Environmental Water Samples, *F. J. Anal. Chem.*, 346, 984-987.
- Mair, J.W. and Day, H.G., 1972, Curcumin Method for Spectrophotometric Determination of Boron Extracted from Radiofrequency Ashed Animal Tissues Using 2-Ethyl-1,3-Hexanediol, *J. Anal. Chem.*, 44, 2015-2017.
- Mizura, S.S., Tee, E.S. and Ooi, H.E., 1991, Determination of Boric Acid in Foods : Comparative Study of Three Methods, *Agric. Food Sci.*, 55, 261–268.
- Ostling, G., 1975, A Simplified Automated Curcumin Method for the Determination of Boron in Sea Water, *Anal. Chim. Acta*, 78, 507-512.
- Pescok, R.L., Shileds, L.D., Cairns, T. and Mewilliam, I.G., 1976, *Modern Methods of Chemical Analysis 2nd Ed.*, John Wiley & Son, Inc., New York.



- Sah, R.N. and Brown, P.H., 1997, Boron Determination: A Review of Analytical Methods, *Microchemical Journal*, 56, 285-304.
- San, S., Kyi, K.W. and Naing, K., 2001, Spectrophotometric Determination of Boron in Environmental Water Samples, *Proc. of M.A.A.S.*, 57, 201-206.
- Savvin, S.B., 1979, Fundamental of Analytical Chemistry, *CRC Crit. Rev. Chem.*, 8-55.
- Schubert, D., 2001, *Boron Oxides, Boric Acid and Borates*, R&D Borax Inc., New York.
- Spicer, G.S. and Stricland J.D.H., 1958, The Determination of Microgram and Sub-microgram Amounts of Boron, *Anal. Chim. Acta.*, 18, 523-533.
- Sugiyarto, K.H., 2004, *Kimia Anorganik I*, Universitas Negeri Yogyakarta, Yogyakarta.
- Sugiyatmi, S., 2006, Analisis Faktor-faktor Resiko pencemaran Bahan Toksik Boraks dan Pewarna Makanan Jajanan Tradisional yang Dijual di Pasar-pasar di Kota Semarang Tahun 2006, *Tesis*, Universitas Diponegoro, Semarang.
- Thangavel, S., Dhavile, S.M., Dash, K. and Chaurasia, S.C., 2004, Spectrophotometric Determination of Boron in Complex Matrices by Isothermal Distillation of Borate Ester into Curcumin, *Anal. Chim. Acta.*, 502, 265-270.
- Thompson, M., Ellison, S.L.R. and Wood, R., 2002, Harmonized Guidelines for Single-laboratory Validation of Method of Analysis (IUPAC Technical Report), *Pure Appl. Chem.*, 74, 835-855.
- Tubagus, I., Citraningtyas, G. dan Fatimawali., 2013, Identifikasi dan Penetapan Kadar Boraks dalam Bakso Jajanan di Kota Manado, *Pharmacon.*, 02, 1-8.
- Weger, S.J., Hossner, L.R. and Ferrara, L.W., 1969, Determination of Boron in Fertilizer by Atomic Absorption Spectrophotometry, *J. Food Chem.*, Vol 17, 6, 1276-1278.
- Winarno, F.G. dan Titi R.S., 1994, *Bahan Tambahan Untuk Makanan dan Kontaminan*, Gramedia, Jakarta.
- Zaijun, L., Zhengwei, C. and Jian, T., 2006, The Determination of Boron in Food and Seed by Spectrophotometry Using a New Reagent 3,4-dihydroxyazomethine-H, *J. Food Chem.*, 94, 310-314.