

DAFTAR PUSTAKA

- Acharya, M., Mishra, S., Sahoo, R.N., Mallick, S. (2017). Infrared Spectroscopy for Analysis of Co-processes Ibuprofen and Magnesium Trisilicate at Milling and Freeze Drying. *Acta Chim. Slov.*, Volume 64: 45-54.
- Adipranoto, M.A.R.K. (2010). *Penetapan Kadar Campuran Parasetamol dan Ibuprofen dalam Tablet Merk X dengan Metode Kromatografi Cair Kinerja Tinggi Fase Terbalik*. Skripsi. Yogyakarta: Universitas Sanata Dharma.
- Aktas, A.H. dan Kitis, F. (2014). Spectrophotometric Simultaneous Determination of Caffeine and Paracetamol in Commercial Pharmaceutical by Principal Component Regression, Partial Least Square, and Artificial Neural Networks Chemometric Methods. *Croat. Chem. Acta*, Volume 1: 69-74.
- Altun, M.L. (2002). HPLC Method for the Analysis of Paracetamol, Caffeine and Dipyrone. *Turk J. Chem.*, Volume 26: 521-528.
- Beasley, M.M., Bartelink, E.J., Taylor, L., Miller, R.M. (2014). Comparison of Transmission FTIR, ATR, and DRIFT Spectra: Implication for Assesment of Bone Bioapatite Diagenesis. *Journal of Archaeological Science*, Volume 46: 16-22.
- Bebenista, J.M. dan Nowak, Z.J. (2014). Paracetamol: Mechanism of Action, Applications and Safety Concern. *Acta Poloniae Pharmaceutical-Drug Research*, Volume 71(1): 11-23.
- BPOM RI. (2008). *Informatorium Obat Nasional Indonesia*. Jakarta: Badan Pengawas Obat dan Makanan Republik Indonesia.
- Calvo, N.L., Kaufman, T.S., Maggio, R.M. (2015). A PCA-Based Chemometrics-Assisted ATR-FTIR Approach for the Classification of Polymorphs of Cimetidine: Application to Physical Mixtures and Tablets. *Journal of Pharmaceutical and Biomedical Analysis*, Volume 107: 419-425.
- Damayanti, S., Ibrahim, S., Firman, K., Tjahjono, D.H. (2003). Simultaneous Determination of Paracetamol and Ibuprofen Mixtures by High Performance Liquid Chromatography. *Indonesian Journal of Chemistry*, Volume 3: 9-13.
- Depkes RI. (2014). *Farmakope Indonesia Edisi V*. Jakarta: Departemen Kesehatan Republik Indonesia.
- Gad, H.A., El-Ahmady, S.H., Aboe-Shoer, M.I., Al-Azizi, M.M. (2012). Application of Chemometrics in Authentication of Herbal Medicine: A Review. *Phytochemical Analysis*, Volume 24: 1-24.

- Gandjar, I.G. dan Rohman, A. (2007). *Kimia Farmasi Analisis*. Yogyakarta: Pustaka Pelajar.
- Gulo, E.S.F. (2016). *Aplikasi Spektrofotometri UV Dan Kalibrasi Multivariat Untuk Analisis Parasetamol, Guaifenesin Dan Klorfeniramin Maleat Dalam Sirup*. Skripsi. Yogyakarta: Universitas Sanata Dharma.
- Harmita. (2004). Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya. *Majalah Ilmu Kefarmasian*, Volume 117(33): 117-135.
- Harshini, S., Priyanka, G., Swathi, K., Kumari, V.R., Haque, M.A., Prasad, V.V.L.N. (2014). Simultaneous Estimation of Paracetamol and Ibuprofen in Bulk and Pharmaceutical Dosage Form by using UV Spectrophotometric Method. *International Journal of Innovative Pharmaceutical Sciences and Research*, Volume 2(8): 1854-1860.
- Hassib, S.T., Hassan, G.S., El-Zaher, A.A., Fouad, M.A., Taha, E.A. (2017). Quantitative Analysis of Anti-inflammatory Drugs using FTIR-ATR Spectrometry. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 186: 59-65.
- ICH. (2005). *Validation of Analytical Procedures: Text and Methodology Q2(R1)*. Geneva: International Conference on Harmonization.
- Ikatan Apoteker Indonesia. (2016). *ISO Informasi Spesialis Obat Indonesia Volume 50*. Jakarta: PT ISFI.
- Jaswir, I., Mirghani, M.E.S., Hassan, T.H., Said, M.Z.M. (2003). Determination of Lard in Mixture of Body Fats of Mutton and Cow by Fourier Transform Infrared Spectroscopy. *Journal of Oleo Science*, Volume 52: 633-638.
- Jurnalis, Y.D., Sayoeti, Y., Moriska, M. (2015). Kelainan Hati akibat Penggunaan Antipiretik. *Jurnal Kesehatan Andalas*, Volume 4(3): 978-987.
- Katzung, B.G., Masters, S.B., Trevor, A.J. (2013). *Farmakologi Dasar dan Klinik Edisi 12 Volume 2*. Jakarta: EGC.
- Khaskheli, A.R., Sirajuddin, Sherazi, A.T.H., Mahesar, S.A., Kandhro, A.A., Kalwar, N.H., Mallah, M.A. (2013). Estimation of Ibuprofen in Urine and Tablet Formulations by Transmission Fourier Transform Infrared Spectroscopy by Partial Least Square. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 102: 403-407.
- Luna, A.S. dan Pinho, J.S.A. (2014). Determination of Paracetamol and Ibuprofen in Tablets and Urine using Spectrofluorometric Determination Coupled with Chemometric Tools. *Austin Journal of Analytical and Pharmaceutical Chemistry*, Volume 1(1): 1-7.

- Mallah, M.A., Sherazi, S.T.H., Mahesar, S.A., Khaskheli, A.R. (2012). Simultaneous Quantification of Ibuprofen and Paracetamol in Tablet Formulations using Transmission Fourier Transform Infrared Spectroscopy. *American Journal of Analytical Chemistry*, Volume 3: 503-511.
- Mallah, M.A., Sherazi, S.T.H., Bhangar, M.I., Mahesar, S.A., Bajeer, M.A. (2015). A Rapid Fourier Transform Infrared (FTIR) Spectroscopic Method for Direct Quantification of Paracetamol Content in Solid Pharmaceutical Formulations. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, Volume 141: 64-70.
- Miller, J.N. dan Miller, J.C. (2010). *Statistics and Chemometrics for Analytical Chemistry Sixth Edition*. Harlow: Pearson Education Limited.
- Moffat, A.C., Osselton, M.D., Widdop, B. (2011). *Clarke's Analysis of Drugs and Poisons in Pharmaceuticals, Body Fluids, and Postmortem Material Fourth edition*. UK: Pharmaceuticals Press.
- Moros, J., Garrigues, S., Guardia, M.D.L. (2010). Vibrational Spectroscopy Provides a Green Tool for Multi-component Analysis. *Trends in Analytical Chemistry*, Volume 29(7): 578-591.
- Mudit, D., Keshavarao, K.P., Selvam, P., Ali, S.M. (2011). Preparation And Characterization Of Freeze Dried Crystals Of Ibuprofen. *International Research Journal Of Pharmacy*, Volume 2(12): 255-258.
- Nagrani, D.G. dan Prayitno, A. (2015). Efektivitas Kombinasi Parasetamol dan Ibuprofen sebagai Antipiretik. *Sari Pediatri*, Volume 17(2): 150-154.
- Narwade, S.S. (2014). Qualitative and Quantitative Analysis of Paracetamol in Different Drug Samples by HPLC Technique. *Iosr Journal of Applied Chemistry*, Volume 7(8): 46-49.
- Pavia *cit.* Rohman, A. (2014). *Spektroskopi Vibrasional: Teori dan Aplikasinya untuk Analisis Farmasi*. Yogyakarta: Gadjah Mada University Press.
- Purnamasari, R.J. (2016). *Analisis Kandungan Lemak Tikus dalam Campuran Bakso Sapi dengan Spektroskopi Inframerah dan Kalibrasi Multivariat*. Skripsi. Purwokerto: Universitas Muhammadiyah Purwokerto.
- Rafi, M., Anggundari, W.C., Irawadi, T.T. (2016). Potensi Spektroskop FTIR-ATR dan Kemometrik untuk Membedakan Rambut Babi, Kambing dan Sapi. *Indonesian Journal Of Chemical Science*, Volume 5(3): 232-237.
- Rakesh, P., Charmi, P., Rajesh, K.S. (2014). Quantitative Analytical Application of FTIR Spectroscopy in Pharmaceutical and Allied Areas. *J. Adv. Pharm. Edu. & Res.*, Volume 4(2): 145-157.

- Riyanto, A. (2015). *Identifikasi Bakteri Resisten Isolat WK45 Melalui Analisis Komposisi Asam Lemak Dengan Metode Fourier Transform Infrared (FTIR)*. Thesis. Purwokerto: Universitas Muhammadiyah Purwokerto.
- Rohman, A. (2014). *Spektroskopi Inframerah dan Kemometrik untuk Analisis Farmasi*. Yogyakarta: Pustaka Pelajar.
- Rohman, A. (2014). *Spektroskopi Vibrasional: Teori dan Aplikasinya untuk Analisis Farmasi*. Yogyakarta: Gadjah Mada University Press.
- Sari, N. (2018). *Penetapan Kadar Kafein dalam Kopi Bubuk Andungsari dan Canephora Khas Lampung Barat dengan Metode Spektrofotometri Inframerah Transformasi Fourier*. Skripsi. Purwokerto: Universitas Muhammadiyah Purwokerto.
- Siregar, C., Martono, S., Rohman, A. (2018). Application of Fourier Transform Infrared (FTIR) Spectroscopy Coupled With Multivariate Calibration for Quantitative Analysis of Curcuminoid in Tablets Dosage Form. *Journal of Applied Pharmaceutical Sciences*, Volume 8(8): 151-156.
- Sun, S., Chen, J., Zhou, Q., Lu, G., Chan, K. (2010). Application of Mid-infrared Spectroscopy in The Quality Control of Traditional Chinese Medicines. *Planta Med.*, Volume 76: 1987-1996.
- Suseno, E.J. dan Firdausi, S.K. (2008). Rancang Bangun Spektroskopi FTIR (Fourier Transform Infrared) untuk Penentuan Kualitas Susu Sapi. *Berkala Fisika*, Volume 11(1): 23-28.
- Tiffany. (2015). *Perbandingan Efek Hepatotoksik Kombinasi Parasetamol-Ibuprofen dibandingkan Parasetamol pada Nekrosis Hepar Tikus Putih Jantan*. Skripsi. Surabaya: Universitas Katolik Widya Mandala.
- Trivedi, M.K., Patil, S., Shettigar, H., Bairwa K., Jana S. (2015). Effect of Biofield Treatment on Spectral Properties of Paracetamol and Piroxicam. *Chem Sci J*, Volume 6: 1-6.
- Vernacchio, L., Kelly, J.P., Kaufman, D.W., Mitchell, A.A. (2009). Medication use among Children <12 years of Age in The United States: Results From the Slone Survey. *Pediatrics*, Volume 124(2): 446-57.
- Watson, D.G. (2009). *Analisis Farmasi: Buku Ajar untuk Mahasiswa Farmasi dan Praktisi Kimia Farmasi*. Jakarta: EGC.
- Wilmana, P.F. dan Sulistia, G. (2007). *Analgesik Antipiretik Analgesik Anti-inflamasi Non Steroid dan Obat Gangguan Sendi lainnya dalam Farmakologi dan Terapi*. Jakarta: Fakultas Kedokteran Universitas Indonesia.

Winingsih, W., Ulfa, M., Suprijana, O. (2016). Penggunaan FTIR-ZnSe (Fourier Transform Infrared) untuk Penetapan Kadar Kuersetin dalam Teh Hitam (*Camellia sinensis* L.). *JSTFI: Indonesian Journal of Pharmaceutical Science and Technology*, Volume 5(1): 47-53.

Wong, T., Stang, A.S., Ganshorn, H., Hartling, L., Maconochie, I.K., Thomsen, A.M., Johnson, D.W. (2014). Combined and Alternating Paracetamol and Ibuprofen Therapy for Febrile Children. *Cochrane Database Systematic Reviews*, Volume 9(3): 675-729.

