

## DAFTAR PUSTAKA

- [AOAC] Association of Official Analytical Chemyst. 2005. *Official Method of Analysis of The Association of Official Analytical of Chemist*. Arlington: The Association of Official Analytical Chemyst, Inc.
- [AOAC] Association of Official Analytical Chemyst.1995. *Official Methods of Analysis of AOAC International*. AOAC International. Secs., 942.15. Washington. USA.
- AEKI. 2012. *Peluang Pengembangan Komoditi Kopi Arabika di Indonesia*. Jakarta (ID). AEKI.
- Ahmad, A. 2011. Struktur Biji Kopi. [https://www.google.co.id/search?q=gambar+kopi&source=lnms&tbn=isch&sa=X&ved=0ahUKEwiW2oT\\_ss7KAhVS1I4KHWEfDS4Q\\_AUIBygB&biw=1366&bih=667#tbn=isch&q=gambar+kopi+gelondong](https://www.google.co.id/search?q=gambar+kopi&source=lnms&tbn=isch&sa=X&ved=0ahUKEwiW2oT_ss7KAhVS1I4KHWEfDS4Q_AUIBygB&biw=1366&bih=667#tbn=isch&q=gambar+kopi+gelondong).
- Alfadriansyah. 2016. *Kopi Sumatera Arabika Minang Solok*. Masyarakat Perlindungan Indikasi Geografis (MPIG) Solok.
- Almada PD. 2009. *Pengaruh Peubah Proses Dekafeinasi Kopi Dalam Reaktor Kolom Tunggal Terhadap Mutu Kopi*. [Tesis]. Bogor (ID): Institut Pertanian Bogor.
- Alpdgon, G., Karabina, K., Sungur, S. 2002. *Derivative Spectrofotometric Determination pf Caffeine In Some Beverages*. Turkish Journal of Chemistry, Vol.26 : 295-302.
- Andasuryani, Purwanto YA, Budiastira I W. and Syamsu K. 2013. *Determination of catechin as main bioactive component of gambir (Uncaria gambir Roxb) by FT-NIR Spectroscopy*. J Medicinal Plant Research.
- Blanco M. and Villarroya I. 2002. NIR Spectroscopy: a rapid-response analytical tool. Trends in analytical chem-istry (21): 240-250
- Buchi. 2013. *Nircal 5.5 manual*. Switzerland (CHE): Buchi Labortechnik AG, CH Flawil.
- Burns DA, Ciurczak EW. 2006. *Handbook of near-infrared analysis*. Third Edition. New York: CRC Press Taylor & Francis Group.
- Cen H, and He Y. 2007. *Theory and Application of Near Infrared Reflectance Spectroscopy in Determination of Food Quality*. J. Trends in Food Sci & Technol 18: 72-83.
- Clark RN. 1999. *Spectroscopy of Rock and Minerals and Principles of Spectroscopy*. In: ed. Renchz. AN. *Manual of Remote Sensing*. Volume

3: Remote Sensing for the Earth Sciences. ch.1. New York (USA): John Wiley and Sons. P 3-58

Direktorat Jendral Perkebunan. 2014. *Statistik Perkebunan Indonesia*. Jakarta

Fajarudin 2016. *Tahun 2017, Kopi Solok Akan Diekspor 18 Ton* . Haluan 06 Mei. Padang.

Farmakologi Fakultas Kedokteran UI. 2002. *Farmakologi dan Terapi*. Ed ke-4. Jakarta (ID): FKUI.

Fischer M, Reimann S, Trovato V, Redgwell RJ. 2012. *Polysaccharides of green arabica and robusta coffee beans*. J Carbohydr Res 330:93–101.

Gaydow V, Kister J, Dupuy N. 2011. *Evaluation of multiblock NIR/MIR PLS predictive models to detect adulteration of diesel/biodiesel blends by vegetal oil*. Journal Chemometrics and Intelligent Laboratory Systems 106 ; 190–197.

Huck CW , W Guggenbichler GK Bonn. 2005. *Analysis of caffeine, theobromine and theophylline in coffee by near infrared spectroscopy (NIRS) compared to high-performance liquid chromatography (HPLC) coupled to mass spectrometry*. J Analytica Chimica Acta. 538: 195–203.

Iriawan N, Astuti SP. 2006. *Mengolah Data Statistik dengan Mudah Menggunakan Minitab 14*. Yogyakarta (ID): Andi.

Ismiyadi. C. 1998. *Citarasa Kopi Arabika Speisialti Indonesia*. Waktu Pusat Penelitian Kopi dan Kakao Indonesia, 14, 165-172.

Kusumaningrum, D., Lee, H., Lohumi, S., Mo, C., Kim, M. S., & Cho, B. K. (2018). *Non-destructive technique for determining the viability of soybean (Glycine max) seeds using FT-NIR spectroscopy*. Journal of the Science of Food and Agriculture, 98(5), 1734-1742.

Lammertyn J, Peirs A, De Baerdemaeker J, Nicolai BM. 2000. *Light Penetration Properties of NIR Radiation in Fruit with Respect to Non-Destructive Quality Assesment*. J Postharvest Biol Technol. (18): 121-132.

Lee VS, Tue-ngeun P, Traisathit P, Prasitwattanaseree S, Nimmanpipug P, and Chaijaruwanich J. 2009. *FTNIR and Chemometric Tools for The Classification of Thai Wines*. Journal of Science and Technology. 3(03):446-458

Makky, M., Putry, R. E., & Nakano, K. 2018, March. *Nondestructive evaluation of Bakwan paddy grains moisture content by means of spectrophotometry*. In Journal of Physics: Conference Series (Vol. 985, No. 1, p. 012012). IOP Publishing.

- Maramis RK, Citraningtyas G, dan Wehantouw F. 2013. *Analisis Kafein dalam Kopi Bubuk di Kota Manado menggunakan Spektrofotometri UV-Vis*. *J Ilmiah Farmasi* (2): 04
- Mattjik AS dan Made IS. 2006. *Perancangan Percobaan dengan Aplikasi SAS dan MINITAB*. Bogor [ID]: IPB Press.
- Mohsenin NN. 1984. *Electromagnetic Radiation Properties of Foods and Agricultural Products*. New York (USA). Gordon and Breach Sciens Publisher.
- Mouazen AM, Saeys W, Xing J, De Baerdemaeker J, Ramon H. 2005. *Near infrared spectroscopy for agricultural materials: an instrument comparison*. *J Near Infrared Spectrosc* 13: 87-97.
- Mulato, S., S. Widyotomo, E. Suharyanto. (2009<sup>b</sup>). *Pengolahan Produk Primer dan Sekunder Kakao*. Pusat Penelitian Kopi dan Kakao Indonesia. Jember.
- Munawar AA. 2008. *Non-destructive Inner Quality Prediction in Intact Mangos with NIRS Method* [Thesis]. Goettingen (GB): Georg-August University.
- Munawar AA. 2014. *Multivariate Analysis and Artificial Neural Network Approaches of Near Infrared Spectroscopic Data for Non-Destructive Quality Attributes Prediction of Mango* [Disertasi]. Goettingen: Georg-August University.
- Murray I. 1998. *Application of NIRS in Agriculture*. In: Iwamoto. M., Kawano. S. (Eds.). *Proceedings of the Second International Near Infrared Spectroscopy Conference*. Tokyo (Japan): Korin Publishing Co. Ltd. P 11- 20.
- Osborne, BG., Fearn, T., Hindle, PH. 1993. *Predicted NIR Spectroscopy with Application in Food and Beverages Analysis*. Singapore: Longnam Publisher. Hal 13-48
- Ozaki Y, McClure WF, Christy AA. 2007. *Near-Infrared Spectroscopy in Food Science and Technology*. New Jersey (USA): John Wiley & Sons, Inc.
- Pandey MM. (editor). 2010. *Non-destructive Evaluation of Food Quality : Theory and Practice*. New York (USA): Springer Heidelberg Dordrecht.
- Panggabean, E. 2011. *Buku Pintar Kopi*. Jakarta: Agro Media Pustaka.
- Prastowo, B., Karmawati, E., Rubijo, S., Indrawanto, C., & Munarso, S. J. 2010. *Budidaya dan Pasca Panen Kopi*. Pusat Penelitian dan Pengembangan Perkebunan. Bogor.

- Purnama, S. (2016, Juni). *Gerakan Petik Merah Kopi Arabica Java Preanger*. <http://disbun.jabarprov.go.id>
- Rahardjo, P. 2012. *Panduan Budi Daya dan Pengolahan Kopi Arabika dan Robusta*. Penebar Swadaya, Jakarta.
- Ribeiro, J. S., Ferreira, M. M. C., & Salva, T. J. G. (2011). *Chemometric models for the quantitative descriptive sensory analysis of Arabica coffee beverages using near infrared spectroscopy*. *Talanta*, 83(5), 1352-1358.
- Rita, H., Marliah, A., Rosita, F. 2011. *Kajian Tiga Varietas dan Dua Metode Fermentasi Terhadap Kualitas Biji Kopi Arabica (Coffea arabica L.) Gayo, Bener Meriah*. Prosiding Seminar Nasional Perhimpunan Ahli Teknologi Pangan Indonesia (PATPI) Sumatera Utara.
- Rosita, R. 2016. *Penentuan kandungan kimia biji kopi arabika gayo secara non destruktif dengan near infrared spectroscopy*. [Tesis]. Bogor. Sekolah Pasca Sarjana Institut Pertanian Bogor.
- Shepherd KD, Palm CA, Gachengo CN, Vanlauwe B. 2004. *Rapid Characterisation of Organic Resource Quality for Soil and Livestock Management in Tropical Agroecosystems Using Near Infrared Spectroscopy*. *Agronomy Journal* 95 (5): 1314-1322.
- Siesler H W, Ozaki Y, Kawata S, Heise HM. 2002. *Near Infrared Reflectance Spectroscopy: Principles. Instrument and Application*. Weinheim: Wiley VHC Verlag. GmbH.
- SNI 01 - 3542 - 2004 (SNI). *Standar Nasional Indonesia*. 2004
- Strang GC. 2004. *Near Infrared Reflectance Spectroscopy and its Specific Applications in Livestock Agriculture*. *School of Bioresources Engineering and Environmental Hydrology*. Pietermaritzburg: University of Kwazulu-Natal.
- Sudarmadji., Slamet., B. Haryono., Suhardi. 1997. *Prosedur Analisa untuk Bahan Makanan dan Pertanian*. Liberty. Yogyakarta.
- Wang X and Lim LT. 2015. *Physicochemical Characteristics of Roasted Coffee*. *J Elsvier Coffee in Health and Disease Prevention*.
- Wei F, Tanokura M. 2015. *Chemical change in the components of coffee beans during roasting*. *J Health and Disease*. Doi.org/10.1016/B978(12): 409-517.
- Williams, P. and Norris, K. 1990. *Near-infrared technology in the agricultural and food industries*. American Association of cereal chemical, Inc. St. Paul. USA: 146.

- Workman J, J Shenk. 2004. *Direct and Indirect Using the Near Infrared Spectrum as an Analytical Method*. In : *Near Infrared Spectroscopy in Agriculture*. Roberts CA, Workman J and Reeves JB. Ed ke-3. Madison-Wisconsin (USA): ASA, CSSA and SSSA publication. p 3-10.
- Yusianto, R., Hulupi., Sulistyawati., S. Mawardi., C. Ismayadi. 2005. *Sifat Fisiko-Kimia dan Citarasa Beberapa Varietas Kopi Arabika*. *Pelita Perkebunan*, 21, 202-204.
- Zulfahrizal. 2014. *Pengembangan Metode Pengukuran Nondestruktif untuk Menentukan Mutu dan Fermentasi Biji Kakao Utuh Menggunakan Nir Spectroscopy*. [Desertasi]. Bogor (ID) : Institut Pertanian Bogor.

