DAFTAR PUSTAKA

Adrizal, H. K. Purwadaria, Suroso, I. W. Budiastra, Wiranda G. P. 2007. *Pendugaan Kandungan Air, Protein, Lisin, dan Metionin Tepung Ikan dengan Jaringan Syaraf Tiruan Berdasarkan Absorbansi Near Infrared*. Jurnal Keteknikan Pertanian. Vol 21:399-412.

Ako, A. 2013. Ilmu Ternak Perah Daerah Tropis. Cetakan kedua Edisi Revisi. IPB Press:Bogor.

Andasuryani, Purwanto YA, Budiastra IW, Syamsu K. 2013. *Determination of catechin as main bioactive component of gambir (Uncaria gambir Roxb) by FT-NIR Spectroscopy*. J Medicinal Plant Research.

AOAC. 2005. *Official Methods of Analysis of The Association of Official Analytical Chemist*. AOAC Inc., Washington.

Badan Pusat Statistik Provinsi Sumatera Barat. 2015. Angka Sementara Hasil Sensus Pertanian 2015 Provinsi Sumatera Barat.

Blanco M. and I. Villarroya 2002. NIR Spectroscopy: a rapid-response analytical tool. Trends in analytical chemistry (21): 240-250

Buchi. 2013. *Nircal 5.5 manual*. Switzerland (CHE): Buchi Labortechnik AG, CH Flawil.

Burns, D.A., E.W. Ciurczak. 2006. Handbook of near-infrared analysis. Third Edition. New York: CRC Press Taylor & Francis Group.

Cen H, and Y. He 2007. Theory and Application of Near Infrared Reflectance Spectroscopy in Determination of Food Quality. J. Trends in Food Sci & Technol 18: 72-83.

Cherney, D. J. R. 2000. Characterization of Forage by Chemical Analysis. Given, D. I., I. Owen., R. F. E. Axford., H. M. Omed. Forage Evaluation in Ruminant Nutrition. Wollingford: CABI Publishing: 281-300

Damayanthi, E.Tjing, dan L. Arbianto. 2006 Rice bran. Penebar plus, Jakarta.

Dryden, G. M. 2003. Near Infrared Reflectance Spectroscopy: Applications in Deer Nutrition Rural Industries Research and Development Corporation. Kingston, Australia.

Elfadl, E., C. Reinbrecht, and W. Claupenia. 2010. Development of near infrared reflectance spectroscopy (NIRS) calibration model for estimation of oil content in a worldwide safflower germplasm collection. International

Journal of Plant Production. 4(4): 259-270. ISSN: 1735-6814 , 1735-8043 (Online).

Ermer, J. J. Mcb. Miller, 2005, Method Validation In Pharmaceutical Analysis : A guide to best practice. Weinhem.

Fontaine, J., B. Schrimer, and J. Horr, 2002. Near Infrared Reflectance Spectroscopy (NIRS) Enables the Fast and Accurate Prediction of Essential Amino Acid Contents. J. Agric. Food. Chem. 50 (14) : 3902-3911

Garsetiasih, R., N.M. Heriyanto dan J. Atmaja. 2003. Pemanfaatan dedak padi sebagai pakan tambahan rusa. Buletin Plasma Nutfah 9(2): 23-2. Bogor

Hadipernata, M., W. Supartono dan M.A.F. Falah. 2012. Proses stabilisasi dedak padi (Oryza sativa L) menggunakan radiasi far infra red (FIR) sebagai bahan baku minyak pangan. Jurnal Aplikasi Teknologi Pangan 1(4): 103107. Bogor

Hartadi,H., Soedomo R., Soekanto L., Allen D. Tillman. 1997. Tabel-tabel dari komposisi Bahan Makanan Ternak Untuk Indonesia. Fakultas Peternakan Univarsitas Gadjah Mada. Yogyakarta

Ichwan, M. 2005. Membuat Pakan Ayam Ras Pedaging. Penerbit PT. Agromedia Pustaka, Jakarta.

Ishaq, A. Arifin Amril, M. dan Nancy Lahay, 2001. Pengaruh jenis penggilingan dan Varietas padi terhadap kandungan protein dan serat kasar dedak padi yang telah mengalami penyimpanan satu bulan. Buletin Nutrisi dan Makanan Ternak , Vol 2 (2. 55-63

Karoui R, dkk 2006. Chemical characterisation of European Emmental cheeses by near infrared spectroscopy using chemometric tools. International Dairy Journal. 16: 1211–1217.

Khairul, 2009. Ilmu Gizi Dan Makanan Ternak. Penerbit Angkasa. Bandung

Lu, C. D., J. R. Kawas, O. G Maghoub. 2005 Fiber Digestion and utilization in goats small. Rumin. Res 60: 45-65

Matjik,A.S dan I Made, S. 2006. Perancangan Percobaan dengan Aplikasi SAS dan Minitab. Bogor: IPB Press.

Marengo E, Bobba M, Robotti E, Lenti M. 2004. Hydroxyl and acid number prediction in polyester resins by near infrared spectroscopy and artificial neural networks. *Anal Chim Acta*. 511: 313-322.

Mc Donald, P., RA. Edwards. JFG Greenhalgh, and CA. Morgan. 1995. *Animal Nutrition Prentice Hall.*

Mohsenin NN. 1984. Electromagnetic Radiation Properties of Foods and Agricultural Products. New York (USA). Gordon and Breach Sciens Publisher.

Munawar AA. 2008. Non-destructive Inner Quality Prediction in Intact Mangos with NIRS Method [Thesis]. Goettingen (GB): Georg-August University.

Munawar, AA., dan I, Budiastra, W. 2009. Non-destructive Inner Quality Prediction in Intact mango with Near Infrared Reflectance Spectroscopy. Jurnal Keteknikan Pertanian IPB, 23 (1)

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.

Murni, R., Suparjo, Akmal, dan B. L. Ginting. 2008. Buku Ajar Teknologi Pemanfaatan Limbah Untuk Pakan. Laboratorium Makanan Ternak. Fakultas Peternakan. Universitas Jambi. Jambi.

NRC. 1994. Nutrient Requirements Of Poultry Eight Revised Edition. National Academy Of Sciences. Washington, DC.

NRC. 2001. Nutrient Requirements of Beef Cattle: Seventh Revised Edition: Update 2000. Subcommitte on Beef Cattle Nutrition. Committee on Animal Nutrition. National Research Council.

Osborne, BG., T,Fearn, PH Hindle. 1993. Predicted NIR Spectroscopy with Apllication in Food and Beverages Analysis. Singapore: Longnam Publisher. Hal 13-48.

Osborne BG. 2000. *Near Infrared Spectroscopy in Food Analysis Encyclopedia of Analytical Chemistry.* Meyer RA, editor. United Kingdom: John Wiley & Sons Ltd.

Pandey MM. 2010. Non-destructive Evaluation of Food Quality : Theory and Practice. New York (USA): Springer Heidelberg Dordrecht.

Parrini S, A. Acciaioli , A. Crovetti, R. Bozzi. 2017. Use of FT-NIRS for determination of chemical components and nutritional value of natural pasture. *Intal J Anim Sci*. 1(1):1-5

Putrawan, I. D. G. A., dan T. H. Soerawidjaja. 2007. Stabilisasi Dedak Padi melalui Pemasakan Ekstrusif. Jurnal Teknik Kimia Indonesia.

Quddus, 2016. Penentuan Kandungan Energi Bruto Tepung Ikan untuk Bahan Pakan Ternak Menggunakan Teknologi NIR. Skripsi. IPB : Bogor .

Rachmat, R. S Nugraha, Sudaryono, S. Lubis M. Hadipernata. 2004. Agroindustri padi terpadu. Laporan penelitian balai besar penelitian dan pengembangan pascapanen pertanian.

Rasyaf, M. 2002. bahan Makanan Unggas di Indonesia. Cetakan ke-9 Penerbit Kanisius, Yogyakarta

Rasyaf, M. 2004. Seputar Makanan Ayam Kampung. Cetakan ke-8, Penerbit Kanisius, Yogyakarta

Rinnan A, Van den Berg F, Engelsen SB. 2009. Review of the most common pre-processing techniques for near-infrared spectra. *Trends Anal Chem* 28: 1201-1222.

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.

Schwanninger M, JC Rodrigues , K. Fackler. 2011. A review of band assignments in near infrared spectra of wood and wood components. *J Near Infra Spec.* 19: 287-308.

Scott, M. C. Neisheim dan R. J. Young. 1982. Nutrition of Chiken. 3rd Edition, Published M, L Scott and Associates: Ithaca, New York.

Shepherd KD,CA.Palm,CN Gachengo, B. Vanlauwe. 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.

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.

Sulaswatty, A., T. Idiyanti., A. Susilowati, 2001. Pemanfaatan Tepung Non Terigu sebagai Substitusi Tepung Terigu dalam Pembuatan Cookies dan BMC. Skripsi . Fakultas Teknologi Pertanian. IPB. Bogor.

Suparjo, 2010. Analisis Bahan Pakan Secara Kimiawi : Analisis Proksimat Dan Analisis Serat. Laboratorium Makanan Ternak. Fakultas Peternakan. Universitas Jambi.

Sutardi, dan T. Raharjo. 2012. Bahan Pakan dan Formulasi Ransum Universitas Jendral Soedirman. Purwokerto

Utami, Y. 2011. Pengaruh imbangan feed suplemen terhadap kandungan protein kasar, kalsium dan fosfor dedak padi yang difermentasi dengan Bacillus amyloliquefaciens. Skripsi. Fakultas Peternakan Universitas Andalas, Hal :32. Padang

Williams, P., and K. Norris. 1990. Near Infrared Technology in the Agricultural and Food Industries. American Association of Careal Chemist, Inc. St.Paul, Minnesota, USA.

Winarno, F.G. 2004. Kimia pangan dan gizi. Jakarta: PT Gramedia Pustaka Utama.

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. MadisonWisconsin (USA): ASA, CSSA and SSSA publication. p 3-10.

Yudono, B. F. Oesman, dan Hermansyah. 1996. Komposisi asam lemak sekam dan dedak padi. Majalah Sriwijaya. Vol. 32. No. 2. 8-11

Zuprizal, 2000. Komposisi kimia dedak padi sebagai bahan pakan lokal dalam ransum ternak. Buletin Peternakan Edisi Tambahan. 282- 286