

DAFTAR PUSTAKA

- Allegrì, G., Biasiolo, M., Costa, C., Bettero, A., & Bertazzo, A. (1993). Content of non-protein tryptophan in human milk, bovine milk and milk- and soy-based formulas. *Food Chemistry*, 47(1993): 23-27 .
- AOAC International. (2016). Appendix F: Guidelines for Standard Method Performance Requirements. *AOAC Official Methods of Analysis*.
- Aparicio, S., Garau, C., Esteban, S., Nicolau, M. C., Rivero, M., & Rial, R. V. (2007). Chrononutrition: use of dissociated day/night infant milk formulas to improve the development of the wake-sleep rhythms. Effects of tryptophan. *Nutr Neurosci*, 10(3-4): 137-43.
- Barik, S. (2020). The Uniqueness of Tryptophan in Biology: Properties, Metabolism, Interactions and Localization in Proteins. *Int J Mol Sci*, 21(22): 8776.
- Bellmaine, S., Schnellbaeher, A., & Zimmer, A. (2020). Reactivity and degradation products of tryptophan in solution and proteins. *Free Radical Biology and Medicine*, 160: 696–718.
- Deleu, L. J., Lambrecht, M. A., Vondel, J. V., & Delcour, J. A. (2019). The impact of alkaline conditions on storage proteins of cereals and pseudo-cereals. *Current Opinion in Food Science*, 25: 98–103.
- Eurachem Guide. (2014). The Fitness for Purpose of Analytical Methods — A Laboratory Guide to Method Validation and Related Topics (2nd ed.). ISBN 978-91-87461-59-0.
- Eurachem/CITAC. (2012). Quantifying Uncertainty in Analytical Measurement. available at www.eurachem.org.
- Friedman, M., & Finley, J. W. (1971). Methods of tryptophan analysis. *J. Agric. Food Chem*, 19(4): 626–631.
- Fukuwatari, T., & Shibata, K. (2013). Nutritional aspect of tryptophan metabolism. *Int J Tryptophan Res*, 6(Suppl 1): 3-8.
- Hadi, A. (2019). *Ketidakpastian Pengujian Mendukung Penerapan ISO/IEC 17025*. Bogor: IPB Press.
- Heine, W., Radke, M., Wutzke, K. D., Peters, E., & Kundt, G. (1996). alpha-Lactalbumin-enriched low-protein infant formulas: a comparison to breast milk feeding. *Acta Paediatr*, 85(9): 1024-8.

- Hopkins, F. G., & Cole, S. W. (1901). A contribution to the chemistry of proteids: Part I. A preliminary study of a hitherto undescribed product of tryptic digestion. *J Physiol*, 27: 418–28.
- Hugli, T. E., & Moore, S. (1972). Determination of the Tryptophan Content of Proteins by Ion Exchange Chromatography of Alkaline Hydrolysates. *The Journal of Biological Chemistry*, 247(9): 2828-2834.
- International Organization for Standardization [ISO]. (2006). *ISO/IEC 3534-1 — Statistics — Vocabulary and symbols — Part 1: General statistical terms and terms used in probability*. Geneva: ISO.
- International Organization for Standardization [ISO]. (2008). *ISO/IEC Guide 98-3 — Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement*. Geneva: ISO.
- International Organization for Standardization [ISO]. (2017). *ISO/IEC 17025 — General requirements for the competence of testing and calibration laboratories*. Geneva: ISO.
- Kaufmann, B., & Christen, P. (2002). Recent Extraction Techniques for Natural Products: Microwave-assisted Extraction and Pressurised Solvent Extraction. *Phytochem. Anal.*, 13: 105–113.
- Layman, D. K., Lönnerdal, B., & Fernstrom, J. D. (2018). Applications for α -lactalbumin in human nutrition. *Nutr Rev*, 76(6): 444–460.
- Lide, D. R. (2007). *CRC Handbook of Chemistry and Physics*. Boca Raton, Florida: CRC Press, Inc.
- Liu, T. Y., & Chang, Y. H. (1971). Hydrolysis of proteins with p-toluenesulfonic acid. Determination of tryptophan. *J Biol Chem*, 246(9): 2842-8.
- Liw, W. T., Xiang, J., & Zhan, Z. (2019). Microwave Digestion and On-line Pre-Column Derivatization UHPLC Method for Analysis of Total Amino Acids in Feed. *Shimadzu Application News*, AD-0216.
- Lönnerdal, B. (2014). Infant formula and infant nutrition: bioactive proteins of human milk and implications for composition of infant formulas. *Am J Clin Nutr*, 99(3): 712S–7S.
- Matsubara, H., & Sasaki, R. M. (1969). High recovery of tryptophan from acid hydrolysates of proteins. *Biochemical and Biophysical Research Communications*, 35(2): 175-181.
- Momen, S., Alavi, F., & Aider, M. (2021). Alkali-mediated treatments for extraction and functional modification of proteins: Critical and application review. *Trends in Food Science & Technology*, 110: 778-797.

- Moore, S., & Stein, W. H. (1948). Photometric ninhydrin method for use in the chromatography of amino. *J. Biol. Chem*, 176: 367-388.
- Moore, S., & Stein, W. H. (1951). Chromatography of amino acids on sulfonated polystyrene resins. *J. Biol. Chem*, 192: 663-681.
- National Association of Testing Authorities (NATA). (2018). *General Accreditation Guidance — Validation and verification of quantitative and qualitative test methods*. Australia: National Association of Testing Authorities.
- Nongonierma, A. B., & FitzGerald, R. J. (2015). Milk proteins as a source of tryptophan-containing bioactive peptides. *Food Funct*, 6(7): 2115-27.
- O'Neil, M. J. (2006). *The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals*. Whitehouse Station, New Jersey: Merck and Co., Inc.
- Overcash, A., Griffing, E., Sukumara, S., & Overcash, M. (2022). Environmental Sustainability Analysis of L-Tryptophan as a Consumer Product and Intermediate to Pharmaceutical Active Ingredients. *Frontiers in Sustainability*, 3: 10 pages.
- Palego, L., Betti, L., Rossi, A., & Giannaccin, G. (2016). Tryptophan Biochemistry: Structural, Nutritional, Metabolic, and Medical Aspects in Humans. *J Amino Acids*.
- Penke, B., Ferenczi, R., & Kovács, K. (1974). A new acid hydrolysis method for determining tryptophan in peptides and proteins. *Anal Biochem*, 60(1): 45-50.
- Reynolds, J. E., & Prasad, A. B. (1982). *Martindale-The Extra Pharmacopoeia*. 28th ed. London: The Pharmaceutical Press.
- Richard, D. M., Dawes, M. A., Mathias, C. W., Acheson, A., Hill-Kapturczak, N., & Dougherty, D. M. (2009). L-Tryptophan: Basic Metabolic Functions, Behavioral Research and Therapeutic Indications. *Int J Tryptophan Res*, 2: 45-60.
- Rutherford, S., & Gilani, G. S. (2009). Amino Acid Analysis. *Current protocols in protein science*, Chapter 11(1): Unit 11.9.
- Sainio, E. L., Närvänen, S., Sainio, P., & Tuohimaa, P. (1995). Distribution of L-tryptophan in normal and glucose — loaded mice. *Amino Acids*, 8: 209–216.
- Sax, N. I., & R. J. Lewis, S. (1987). *Hawley's Condensed Chemical Dictionary*. 11th ed. New York: Van Nostrand Reinhold Co.

- Setyaningsih, W., Saputro, I. E., Palma, M., & Barroso, C. G. (2017). Optimization of the ultrasound-assisted extraction of tryptophan and its derivatives from rice (*Oryza sativa*) grains through a response surface methodology. *Journal of Cereal Science*, 75: 192-197.
- Simpson, R. J., Neuberger, M. R., & Liu, T. Y. (1976). Complete amino acid analysis of proteins from a single hydrolysate. *J. Biol. Chem*, 251: 1936-40.
- Song, J., Wang, L. F., Yao, Y. P., Shi, P., Zhong, H. C., Guo, Z. Y., & Zhang, X.-x. H. (2021). Determination of Tryptophan in Feed by Microwave Hydrolysis and Amino Acid Automatic Analyzer. *Animal Husbandry and Feed Science*, 42(2): 19-25.
- Thompson, M., Ellison, S. L., & Wood, R. (2002). Harmonized guidelines for single-laboratory validation of methods of analysis (IUPAC technical report). *Pure Appl. Chem*, 74(5): 835-855.
- Tsugita, A., & Scheffler, J.-J. (1982). A Rapid Method for Acid Hydrolysis of Protein with a Mixture of Trifluoroacetic Acid and Hydrochloric Acid . *Eur. J. Biochem*, 124: 585-588 .
- Wang, L., & Weller, C. L. (2006). Recent advances in extraction of nutraceuticals from plants. *Trends in Food Science & Technology*, 17: 300–312.
- Wang, Y., Zhang, W., & Ouyang, Z. (2020). Fast protein analysis enabled by high-temperature hydrolysis. *Chem. Sci.*, 11: 10506-10516.