



DAFTAR PUSTAKA

- Anonim, 1975, *Official Methods of Analysis of The Association of Official Analytical Chemists*, Association of Official Chemists, Washington D.C.
- Anonim, 1981^a, *The Winged Bean A High Protein Crop for The Tropic*, National Academy of Science, Washington DC.
- Anonim, 1981^b, *Daftar Komposisi Bahan Makanan*, Bharata, Jakarta.
- Anonim (N.A.S.), 1981^c, *The Winged Bean A High Protein Crop for The Tropic*. National Academy Press. Washington DC.
- Albanese, A.A., 1972, *Newer Methods of Nutritional Biochemistry with Application and Interpretation*, Academic Press, New York, London.
- Cerny, K., 1978, Comparative nutritional and clinical aspect of the winged bean, *Makalah Seminar The Development of The Winged Bean*, Los Banos.
- Collins, J.L and Beaty, B.F., 1980, Heat inactivation of trypsin inhibitor in fresh green soybean and physiological response of rat fed the beans, *J. Food Sci.*, 45 : 542-546.
- Claughton, S.M. and Pearce, R.J., 1989, Protein enrichment of sugar-snap cookies with sunflower protein isolate, *Journal of Food Science*, 54 (2), 354 - 356.
-
- _____ ; 1989, Preparation and Properties of Acid-Modified Sunflower Protein Isolate, *Journal of Food Science*, 54 (2), 357 - 361.
- Damardjati, I., dan S., Widowati, 1985, Prospek pengembangan kacang gude di Indonesia, *Jurnal Litbang Pertanian*, IV (3), Balai Penelitian Tanaman Pangan, Sukamandi.



- Dedi Muchtadi, 1989^a, *Petunjuk Laboratorium Evaluasi Nilai Gizi Pangan*, PAU Pangan dan Gizi, UGM, Yogyakarta.
- Dedi Muchtadi, 1989^b, *Evaluasi Nilai Gizi Pangan*. PAU Pangan dan Gizi, Universitas Gadjah Mada, Yogyakarta.
- Djarir Makfoed, 1979, *Toksikan Nabati dalam Bahan Makanan*, Fakultas Teknologi Pertanian, Universitas Gadjah Mada, Yogyakarta.
- Ekpenyong and Borchers, 1978, Nutritional aspect of the winged bean, *Makalah Seminar The development of Potential of The Winged Bean*, Los Banos.
- Gomez, K.A. and Gomez, A.A., 1983, *Statistical Procedures for Agricultural Research*, Second edition, John Willey & Sons Inc., Los Banos, Philipines
- Gamjar, I., 1977, *Fermentasi Biji Mucuna pruriens DC dan pengaruhnya Terhadap Kualitas Protein*, Institute Teknologi Bandung, Bandung.
- Haris, R. S. dan Karmas, E., 1975, *Nutritional Evaluation of Food Processing*, 2nd ed., The AVI Publising Co. Inc., Wesport, Connecticut.
- Harper, H.A., Rodwell, V.M. dan Maye, P.A., 1979, *Review of Physiological Chemistry*, Terjemahan : Martin Muliawan, Lange Medical Publication, Los Altos, California.
- Hartanto, R., 1988, *Pembuatan Konsentrat Protein Kecipir dan Beberapa Sifat Fungsionalnya*, Skripsi, Jurusan Pengolahan Hasil Pertanian, Fakultas Teknologi Pertanian, Universitas Gadjah Mada, Yogyakarta.
- Haurowitz, 1950, *Chemistry and Biology of Proteins*, Academic Press Inc., New York.
- Kakade, M.L., Hoffa, D.E. dan Liener, I.E., 1974, *Contribution of Tripsin Inhibitor to The Deleterious Effect of Unheated Soybean Feed to Rats*, Ibid., 103 : 1772-1778.
- Kinsella, 1982, Relationship between structure and fungsional properties of food proteins, dalam Fox,



P.F. dan Condon, J.J., *Food Protein*, Applied Science Publisher, New York.

Lewis, M.J., 1987, *Physical Properties of Food and Food Processing Systems*, Ellish Harwood LTd., Chichester.

Liener, and Irvine, E., 1972, *Toxic Constituent of Plant Foodstuffs*, Academic Press, New York.

Lu, J.Y., Carter, E., and Chung, R.A., 1980, Use of calcium salts for soybean curd preparation, *J.F.Sci.*, Vol. 45: 32.

Meyer, L.H., 1972, *Food Chemistry*, Reinhold Publishing Corporation, New York.

Milligan, E.E., 1981, Process and product characteristics for soya flour, *J. Am. Oil. Chem. Soc.*, 58 : 333.

Muchtadi, D., 1989^a, *Petunjuk Laboratorium Evaluasi Nilai Gizi Pangan*, PAU Pangan dan Gizi, Universitas Gadjah Mada, Yogyakarta.

Muchtadi, D., 1989^b, *Evaluasi Nilai Gizi Pangan*, PAU Pangan dan Gizi, Universitas Gadjah Mada, Yogyakarta.

Murti., C. 1989, *Pengaruh Pencucian pada Pembuatan Konsentrat Kacang Gude (Cajanus cajan)*, Skripsi, Jurusan Pengolahan Hasil Pertanian, Fakultas Teknologi Pertanian, Universitas Gadjah Mada, Yogyakarta.

Obara, T. and Watanabe, Y., 1971, *Heterogeneity of Soybean Trypsin Inhibitors II Heat Inactivation*, *Cereal chem.*, 48 (5) : 523.

O'Dell, B.l., and Savage, J.E., 1960, Effect of phytic acid on zinc availability, *Proc. Soc. Exp. Biol. Med.*, 103 : 304.

O'Dell, B.l., and De Boland, A., 1976., Complexation of phytate with protein and cations in corn germ and oil-seed meals, *J. Agri. Food. Chem*, 24 (4) : 804-807.



- Singh, U., K.C. Jain, R. Jambunathan dan D.G. Faris, 1984, Nutritional Quality of Vegetable Pigeon-Peas (*Cajanus cajan* (L) Mill sp) : Dry Matter Accumulation, Carbohydrate and Proteins, *J. Food Sci.*, vol. 49 : 799 - 802.
- Smith, A.K., and S.J. Circle, 1972, *Soybean Chemistry and Technology*, volume I. The AVI Publishing Company Inc. Westport. Conecticut.
- Sri Raharjo, 1995, *Keunggulan Isolat Protein Kedelai*, Harian Umum Kompas, 3 November 1996. Hal. 4.
- Sudarmadji, S., 1975, *Certain Chemical and Nutritional Aspect of Soybean Tempe*, Disertation for the Degree of Ph.D. of Michigan State University.
- Sudarmadji, S., Haryono, B. dan Suhardi, 1989, *Prosedur Analisa untuk Bahan Makanan dan Pertanian*, Liberty, Yogyakarta.
- Sudarmanto, Suparmo, dan Marsono, Y., 1980, *Pembuatan Konsentrat Protein dari Kacang Karabenguk*, Laporan Penelitian Proyek No. 34, Fakultas Teknologi Pertanian, Universitas Gadjah Mada, Yogyakarta.
- Suhadijono, 1977, Pembuatan protein konsentrat dari bahan dasar bungkil kacang tanah (pressed peanut cake) dengan cara pencucian memakai larutan asam khlorida, *Makalah Lokakarya Bahan Pangan Berprotein Tinggi*, Lembaga Kimia Nasional, LIPI.
- Suhardi, 1988, *Kimia dan Teknologi Protein*, Pusat Antar Universitas Pangan dan Gizi, Universitas Gadjah Mada, Yogyakarta.
- Suhardi dan Hadiwiyoto, S., 1981, *Biji Turi Sebagai Bahan Baku Tahu*, Laporan PPPT Universitas Gadjah Mada, Yogyakarta.
- Supelco, 1986, *Chromatography Supplies GC * HPLC * Capillary * Chemical Standards*, 20th Anniversary, International Catalog 24.
- Tangendjaja, B., Buckle, K.A. and Wootton, M., 1980, Analysis of phytic acid by high performace liquid chromatography, *Journal of Chromatography*, Vol. 197: 274-277.



- Ohren, J.A. 1981. Process and Product Characteristic for Soya Concentrates and Isolates, *J. AOCS* volume 58 : 333-335.
- Pontecorvo, A.J. and Bourne, M.C., 1978, Simple Methods for Extending the Shelf Life of Soy Curd (Tofu) in Tropical Areas, *J. Food Sci.*, 43: 969 - 972.
- Protein Advisory Group Statement. 1973, *Legume Improvement*, No. 22. PAG of The United Nation System, New York.
- Rackis, J.J. and Gumbmann, M.R., 1980, *Protease Inhibitors : Physiological Properties and Nutritional Significance*, USDA, United Stated of America.
- Rackis, J.J., 1972, *Biologically Active Component*, dalam Soybean Chemistry and Technology, vol. I., Smith A.K. and Circle, S.J. (editor), The Avi Publ. Co., Wesport, Connecticut.
- Retno,. H.S., 1986, *Penilaian Sifat Fisik dan Indrawi Roti Tawar yang Dibuat dengan Penambahan Tepung Gude*, Skripsi, Fakultas Teknologi Pertanian Universitas Gadjah Mada, Yogyakarta.
- Salunke D.K., Ready and Sathe, S.K., 1981, Investigations on winged bean protein and antinutritional factors, *J. Food Sci.* 46 : 1389-1392.
- Salunke,D.K., S.S. Khadam and Chavan, J.K., 1985. *Post Harvest Biotechnology of Food Legumes*, CRC Pres Inc., Bucaraton, Florida.
- Sardjono, dan Kasmidjo, R., 1992, *Proses Pembuatan Tahu Asin dan Optimasinya*, Fakultas Teknologi Pertanian Universitas Gadjah Mada. Yogyakarta.
- Schroder, D.J. and Jackson, H., 1972, Preparation and Evaluation of Soybean Curd with Reduced Beany Flavor, *Journal of Food Science*, 37: 450-452.
- Setiaji, B. 1990, *Petunjuk Pemakaian HPLC pada Analisa Pangan*, PAU Pangan dan Gizi, Universitas Gadjah Mada, Yogyakarta.
- Shurtleff. W., dan Aoyagi, A., 1979, *Tofu and Soymilk Production*, New Age Foods Study Center, Lafayette.



- Tranggono, 1987, *Perubahan Sifat Protein Karabenguk (Mucuna pruriens) Akibat Perlakuan Perendaman, Suhu dan pH*, Proyek penelitian DPP/SPP/FTP-UGM, No. 8, Laboratorium Kimia & Biokimia Pangan, Jurusan Pengolahan Hasil Pertanian, Fakultas Teknologi Pertanian, Universitas Gadjah Mada.
- Tranggono dan Marsono, Y., 1986, *Menaikkan Nilai Gizi Tahu Berlemak Rendah dengan Penambahan Susu Skim*, Laporan Penelitian Proyek No. 45, Fakultas Teknologi Pertanian, Universitas Gadjah Mada Yogyakarta.
- Tranggono dan Marsono, Y., 1988, *Modifikasi Pembuatan Tahu dengn Bahan Dasar Campuran Kedele dan Susu*, Lembaga Penelitian Teknologi Pertanian, Universitas Gadjah Mada, Yogyakarta.
- Tsai, S.J., Lan, C.Y., Kao, C.S. and Chen, S.C., 1981, *Studies on the Quality Characteristics of Tofu*, *Journal of Food Science*, Vol 46: 1734 - 1740.
- Utami, I.S., Agnes, M., Kanoni, S., 1992, *Hubungan Parameter Ekstraksi dan Penggumpalan dengan Tekstur Tahu*, Lembaga Penelitian Teknologi Pertanian, Universitas Gadjah Mada, Yogyakarta.
- Widowati, S., dan Damardjati, D.S., 1985, *Evaluasi Sifat Gude (Cajanus cajan) sebagai Bahan Pangan dalam Usaha Penganekaragaman Pangan*, *Proceeding Diskusi Teknologi Pangan VI*, 19-20 Maret, Balai Besar dan Pengembangan Hasil Pertanian, Bogor.
- Winarno, F.G., 1984, *Kimia Pangan dan Gizi*, PT Gramedia. Jakarta.
- Wolf, W.J., 1970, *Soybean protein: their functional, chemical and physical properties*, *Journal Agriculture Food Chemical*, Vol. 18 (6): 969 - 975.
- Wolf, W.J., 1972, *What is soy protein*, *Food Technology*, Vol. 26: 44 - 54.
- Wolf, W.J., and Cowan, J.C., 1977, *Soybean as a Food Source*, 2^{ed} ed. CRC Press Inc., Cleveland, Ohio.



Zuheid Noor, 1987, *Teknologi Pengolahan Kacang-kacangan*, PAU Pangan dan Gizi, Universitas Gadjah Mada, Yogyakarta.

—————, 1989, *Uji Biologikal Biji Kecipir yang telah Diperlakukan pada Berbagai pH*, PAU Pangan dan Gizi, Universitas Gadjah Mada, Yogyakarta.

Zuheid Noor dan Agus P. Rahardjo, 1981, *Pengaruh pH dan Panas pada Tripsin Inhibitor Biji Kevipir*, Laporan Penelitian pada Lembaga Penelitian, Universitas Gadjah Mada, Yogyakarta.



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