

BAB VI

DAFTAR PUSTAKA

Abdullah, Aminah. (2015). Dietary Gum Arabic Supplementation Alter Plasma and Tissue Antioxidant and Free Radical Scavenging Activities in Sprague Dawley Male Rats. *Journal of Biology and Life Science*. School of Chemical Sciences and Food Technology. University Kebangsaan. Volume 6 (1). ISSN 2157-6076.

Afandi A., halimhilmi Z., amirin S., dan sabariah I. (2014). Antioxsidant Properties of *Gynura Procumbens* Extracts and Their Inhibitory Effects On Two Major Human Recombinant Cytochrome P450S Using A High Throughput Luminescence Assay. *Asian Journal of Pharmaceutical and Clinical Research*. Volume 7(5). ISSN – 0974-2441.

Akoh, C. C. and Min, D. B. 2002. Food Lipids: Chemistry, Nutrition, and Biotechnology. Second Edition, Revised and Expanded. Marcel Dekker, Inc. New York, USA

AOAC. (1995). Official Methods of Analysis. The Association of Official Analytical Chemist (14th Ed). AOAC. Arlington, Virginia.

Ariarti, F. (1998). Pengaruh Penambahan Bahan Penyalut dan Jumlah Fraksi Minyak terhadap Mikroenkapsulasi Konsentrat Asam Lemak Omega-3 dengan Metode *Spray Dryer*. Skripsi. Dalam Tensiska, Nurhadi, dan Isfron. (2011). Kestabilan Warna Kurkumin Terenkapsulasi Dari Kunyit (*Curcuma domestica Val.*) dalam Minuman Ringan dan Jelly pada Berbagai Kondisi Penyimpanan. Jurusan Teknologi Industri Pangan. Volume 14 No 3.

Beuchat, L. R. (1981). Microbial Stability as Affected by Water Activity. *Cereal Foods World* 26.7 : 345-49.

Blanchard, P. H., and F.R. Katz. (1995). *Starch Hydrolysis in Food Polysaccharides and Their Application*. Marcell Dekker, Inc. New York.

Bohm. (1987). Intraspecific Flavonoid Variation. *Bot Rev* 53:197–279.

Canadanovic, B.; S. Sladjama; C. Gordana; V. Jelena; D. Sonja; M. Sinisa and D.D Cvetkovic. (2011). Antioxidant and Antimicrobial Activites of Beet Root Pomace Extracts. *Czech Journal Food Sciences*, 29: 575-585.

Dai Jin,. Dan Russel J. Mumper. (2010). Plant Phenolics : Extraction, Analysis, and Their Antioxidant and Anticancer Properties. Department of Pharmaceutical Sciences, Collage of Pharmacy. University of Kentucky, Lexington. USA 15 : 7313-7352.

Dickinson E. (2003). Hydrocolloids at Interfaces and the Influence On the Properties of Dispersed Systems. *Food Hydrocolloids*, 17: 25-39.

Espada M, A., Wood, K., Bordelon, B. & Watkins, B. (2004). Anthocyanin Quantification and Radical Scavenging Capacity of Concord, Norton and Marechal Foch Grapes and Wines. *Journal Agricultural Food Chemistry*. Page 6779-6786.

Ezhilarasi, P.N.; D. Indrani; B.S. Jena & C. Anandharamakrishnan. (2013). Freeze Drying Technique For Microencapsulation of Garcinia Fruit Extract and Its Effect on Bread Quality. *Journal of Food Engineering*. DOI 10.1016/j.jfoodeng.2013.01.009.

Fennema, R. Owen. (1985). *Food Chemistry 2nd Edition*. Revised and Expanded. Academic Press. New York.

Fukumoto, LR dan Mazza G. (2000). Assesing Antioxidant and Prooxidant Activities of Phenolic Compounds. *Journal Agricultural Food* 48(8) : 3597-3604.

Gattuso, G.; Barreca, D.; Gargiulli, C.; Leuzzi, U.; Caristi, C. (2007). Flavonoid Composition of Citrus Juices. *Molecules* 12:1641–1673.

Gharsallaoui A; G. Roudaut; O. Chambin; A. Voilley & R. Saurel. (2007). Applications of Spray Drying in Microencapsulation of Food Ingredients: An Overview. *Food Res Intern* 40:1107–1121.

Ghasemzadeh, Hawa Z. E, and Asmah R. (2010). Antioxidant Activities, Total Phenolics and Flavonoids Content in Two Varieties of Malaysia Young Ginger (*Zingiber officinale* Roscoe). *Molecules* 15. Page 4324-4333.

Ghulamahdi, Munif., Sandra, dan Nirwan. (2008). Peningkatan Laju Pertumbuhan dan Kandungan Flavonoid Klon Daun Dewa (*Gynura psendochina* (L.) DC) Melalui Periode Pencahayaan. *Annals of Phytomedicine* 1(2) : 23-29.

Glicksman. (1983). *Food Hydrocolloids*. CRC Press. Boca Raton FL.

Green, R.J. (2004). Antioxidant Activity of Peanut Plant Tissues. Thesis. North Caroline State University: Departement Od Food Science, Raleigh.

Gurav, S., N. Deshkar., V. Gulkari., N. Duragkar., S. patil. (2007). Free Radical Scavenging Actiity of *Polygala Chinensis* Linn. Pharmacologyline. Page 245-253.
Harborne, J.B. (1987). Metode Fitokimia. *Penuntun Cara Modern Menganalisis Tumbuhan*. Alih bahasa Kosasih Padmawinata. Bandung: Institut Tehnologi Bandung.

Hariyadi, P. (2004). Prinsip Penetapan dan Pendugaan Masa Kadaluarsa dan Upaya-Upaya Memperpanjang Masa Simpan. Departemen Teknologi Pangan dan Gizi Fakultas Teknologi Pertanian IPB. Bandung.

Hartomo, A. J.& M. C. Widiatmoko. (1993). Emulsi&Pangan Instant Berlesitin. AndiOffset : Yogyakarta.

Hartoyo, A. Dan F.H. Sunandar. (2006). Pemanfaatan Tepung Komposit Ubi Jalar Putih (*Ipomoea batatas* L.), Kecambah Kedelai (*Glycine max* Merr.) dan Kecambah Kacang Hijau (*Vigna radiata* L.) sebagai Subtituen Parsial Terigu dalam Produk Pangan Alternatif Biskuit Kaya Energi Protein. *Jurnal Teknologi dan Industri Pangan*, 17(1):51-58. Dalam Lalel, H.J.D., Z. Abidin, dan L. Jutomo. 2009. Sifat Fisiko Kimia Beras Merah Gogo Lokal Ende. *Jurnal Teknologi dan Industri Pangan*, Volume XX No. 2.

Hegenbart, S. (1990). Processing Aids: The Hidden Helpers. Prepared Foods.

Hernani dan Raharjo M. (2005). Tanaman Berkhasiat Antioksidan. Penebar Swadaya. Jakarta.

Hidayah, T., Winarni Pratjojo, dan Nuni Widiarti. (2014). Uji Stabilitas Pigmen dan Antioksidan Ekstrak Zat Warna Alami Kulit Buah Naga. *Indonesian Journal of Chemical Science*. Jurusan Kimia FMIPA Universitas Negeri. Semarang.

Jiang S and Nail Sl. (1998). Effect of Process Conditions On Recovery of Protein Activity After Freezing and Freeze Drying. *Europe Journal Pharm Biopharm*. Page 249-257.

Jinapong N, Suphantharika M, Jamnong P. (2008). Production of Instant Soymilk Powders By Ultrafiltration, Spray Drying, And Fluidized Bed Agglomeration. *Journal of Food Engineering*. 84:194-205. Dalam Sutardi, Suwedo, dan Constansia Ratri Nugroho. (2010). Pengaruh Dekstrin dan Gum Arab terhadap Sifat Kimia dan Fisik Bubuk Sari Jagung Manis (*Zeamays saccharata*). *Jurnal Teknologi dan Industri Pangan*. Volume XXI no 2.

Kainuma K, Odat T, and Cuzuki S. (1967). Study of Starch Phosphates Monoesters. *Journal Technology Soc starch* 14:24-28.

Krasaekoopt, W. B., H. Bhandari and H. Deeth. (2003). Evaluation of Encapsulation Techniques of Probiotics For Yoghurt. *International Dairy Journal*. Volume 13, Page 3-13. ISSN 0958-6946.

Legowo, A. M. dan Nurwanto. (2004). Analisis Pangan. Diktat Kuliah. Program Studi Teknologi Ternak. Fakultas Peternakan, UNDIP. Semarang. 54 halaman.

Lewis MJ. (1987). *Physical Properties of Food and Food Processing Systems*. Ellis Harwood Ltd, Chichester, UK.

Liu, W., Yanying Y, Runzhen Y, Chunpeng W, Binbin X, and Shuwen C. (2010). Optimization of Total Flavonoid Compound Extraction from *Gynura medica* Leaf Using Response Surface Methodology and Chemical Composition Analysis. *International Journal of Molecular Sciences*. Page 4750-4763. ISSN 1422-0067.

Mac Dougall, D. B. (2000). *Colour in Food (Improving Quality)*. CRC Press. Cambridge. England.

Mani, S.; S. Jaya and H. Das. (2002). Sticky Issues on Spray Drying of Fruit Juices. An ASAE Meeting Presentation. Paper No: MBSK 02-201. Department of Agricultural and Food Engineering. Indian Institute of Technology Kharagpur, West Bengal, India.

Marinova D, Ribarova F, and Atanassova M. (2005). Total Phenolic and Total Flavonoids in Bulgarian Fruits and Vegetables. *Journal University Chemistry Technology Metallurgy*. 40(3). Page 255-260. Dalam Khoiriyah, N dan Leily A. (2014). Formulasi Cincou Jelly Drink (*Premna oblongifolia* L Merr) Sebagai Pangan Fungsional Sumber Antioksidan. *Jurnal Gizi dan Pangan*. 9(2). Halaman 73-80. ISSN 1978-1059

Markham, K.R. (1988). Cara Mengidentifikasi Flavonoid. Penerjemah Kosasih Padmawinata. Bandung: ITB.

Maryati, H., dan Suharmiati. (2003). *Khasiat dan Manfaat Daun Sambung nyawa dan Sambung Nyawa*. Jakarta: AgroMedia Pustaka. Halaman 5.

Molyneux, P. (2004). The Use of The Stable Free Radical Diphenylpicrylhydrazyl (DPPH) for Estimating Antioxidant Activity. *Songklanakarin Journal Science Technology*, 26 (2) : 211-219.

Morat, Nuradila Marini (2013) *Total Phenolic and Flavonoid Content of Three Species of Gynura* UNSPECIFIED thesis, Universitas Teknologi MARA. Selangor.

Motlagh, S., Ravines, P., Karamallah, K. A. And Ma, Q. (2006). The Analysis of Acacia Gums Using Electrophoresis. *Food Hydrocolloids*, 20, 848–854.

Muchtadi, D. (1992). *Fisiologi Pasca Panen Sayuran dan Buah-buahan*. PAU Pangan dan Gizi, IPB. Bogor.

Musanif, Jamil, Latifah K. Darusman, Nurliani Bermawie. (2008). *The Indonesian Heritage : Jamu for Health and Beauty*. Director of Agriculture Product Processing. Jakarta

Nisa, F.C, J. Kusnadi dan R. Chrisnasari. (2008). Viabilitas dan Deteksi Subletal Bakteri Probiotik Pada Susu Kedelai Fermentasi Instan Metode Pengeringan Beku (kajian Jenis Isolat dan Konsentrasi Sukrosa Sebagai Krioprotektan). *Jurnal Teknologi Pertanian* Vol. 9 No.1.

Nugroho, E.S; S. Tamaroh & A. Setyowati. (2006). Pengaruh Konsentrasi Gum Arab dan Dekstrin terhadap Sifat Fisik Dan Tingkat Kesukaan Temulawak (*Curcuma Xanthorrhiza* Roxb) Madu Instan. Yogyakarta.

Rabah dan Abdalla. (2012). Decolorization of Acacia Seyal Gum Arabic. Annual Conference of Postgraduate Studies and Scientific Research Hall, Khartoum, Republic of Sudan. Vol 1. Page 34.

Resi A dan Andis S. (2009). Makalah Ilmiah Organik Bahan Alam Flavonoid (Quercetin). Fakultas Matematika Dan Ilmu Pengetahuan Alam. Universitas Hasanuddin. Sulawesi Selatan.

Sharma A, Atanu H, and Rupesh S. (2012). Functionality of Milk Powders and Milk-Based Powders for End Use Applications – A Review. *Comprehensive Reviews in Food Science and Food Safety* Volume 11.

Sharma, S.K.; S.J. Mulvaney & S.S Rizvi. (2000). *Food Processing Engineering*. John Willey and Sons. New York.

Simarmata, R., Sylvia L, dan Harmastini S. (2007). Isolasi Mikroba Endofitik Dari Tanaman Obat Sambung Nyawa (*Gynura Procumbens*) dan Analisis Potensinya Sebagai Antimikroba. Berk. Penel. Hayati. Pusat Penelitian Bioteknologi. Bogor. Halaman 85-90.

Simon, Shinta. (2014). Karakteristik Fungsional Tepung Putih Telur Yang Dikeringkan dengan *Freeze Dryer* Pada Suhu dan Ketebalan Berbeda. [Skripsi]. Fakultas peternakan. Universitas Hasanuddin Makassar.

Srihari E, Farid S. L., Rossa H, Dan Helen W. S. (2010). Pengaruh Penambahan Maltodekstrin Pada Pembuatan Santan Kelapa Bubuk. Seminar Rekayasa Kimia Dan Proses. Fakultas Teknik. Universitas Diponegoro Semarang. ISSN : 1411-4216.

Stojanovic S, Sprinz H, & Brede O. (2001). Efficiency and Mechanism of the Antioxidant Action of Trans-Resveratrol and Its Analogues in the Radical Liposome Oxidation. Archives of Biochemistry and Biophysics 391(1) : 78-89.

Sudarmadji, S., B. Haryono & Suhardi. (1989). Prosedur Analisis Bahan Makanan & Pertanian. Penerbit Liberty. Yogyakarta.

Sudarto, B. (1990). "Studi Farmakognosi Tumbuhan *Gynura procumbens* (Lour) Merr". Tesis. Yogyakarta: Fakultas Pasca Sarjana UGM.

Sugiyanto, Sudarto, B., dan Meiyanto, E. (1993). Efek Penghambatan Karsinogenisitas Benzo(a)pyrene oleh Preparat Tradisional Tanaman *Gynura sp.* dan Identifikasi Awal Senyawa yang Berkhasiat. Laporan Penelitian P4M DitJen DikTi, Fakultas Farmasi UGM. Yogyakarta.

Sumardjo, Damin. (2006). *Pengantar Kimia : Buku Panduan Kuliah Mahasiswa Kedokteran dan Program Strata 1*. Fakultas Bioeksakta. Jakarta : Kedokteran EGC.

Vermerris, W. and Nicholson, R. (2006). Phenolic Compound Biochemistry, Springer, The Netherlands.

Warsiki, E., Hambali, E. Sunarmani dan Nasution, M. Z. (2010). Pengaruh Jenis Bahan Pengisi Terhadap Rancangan Produk Tepung Instan Sari Buah Nanas. *Jurnal. TIP.5(3):172-178.*

Widyastuti, N. (2010). Pengukuran Aktivitas Antioksidan Dengan Metode CUPRAC, DPPH dan FRAP Serta Kolerasinya Dengan Fenol dan Flavonoid Pada Enam Tanaman [Skripsi]. FMIPA Institut Pertanian Bogor, Bogor.

Winarto, Tim karyasari. (2003). Sambung Nyawa budidaya dan pemanfaatan untuk obat. Jakarta : Penebar Swadaya.

Wroslad, R.E., E.A. Decker, J .Schwartz, P. Sporns. (2001). *Handbook of Food Analytical Chemistry*. John Wiley & Sons Inc., Wisconsin.