



DAFTAR PUSTAKA

- Adawiyah, D., R. Puspitasari dan L. Lince. 2020. Profil sensori deskriptif produk pemanis tunggal dan campuran. Jurnal Teknologi dan Industri Pangan. 31(1): 9-20.
- Agba, S., H. Michael and S. Jonathan, S. 2007. Granulation. Elsevier Science, Amsterdam.
- Aguero, J., J. Lora, K. Estrada, F. Concepcion, A. Nunez, A. Rodriguez, and J. A. Pino. 2003. Volatile components of a commercial sample of the blue-green algae Spirulina platensis. Journal of essential oil research. 15(2): 114-117.
- Anggraini, D. T., W. Prihanta dan E. Purwanti. 2015. Penggunaan ekstrak batang kayu manis (*Cinnamomum burmannii*) terhadap kualitas minuman *nata de coco*. Seminat Nasional XII Pendidikan Biologi FKIP UNS.
- Albert, A., P. Varela, A. Salvador, G. Hough, dan S. Fiszman. 2011. Overcoming the issues in the sensory description of hot served food with a complex texture. Application of QDA®, flash profiling and projective mapping using panels with different degrees of training. Food Quality and Preference. 22(5): 463-473.
- Albert, A, A. Salvador, P. Schlich dan S. Fiszman. 2012. Comparison between temporal dominance of sensation (TDS) and key-attribute sensory profiling for evaluating solid food with contrasting textural layers: fish stick. Food Quality and Preference. 24:111–118.
- Ahire, S. B., V. H. Bankar, P. D. Gayakwad, S. P. Pawar. 2012. A review : taste masking techniques in pharmaceuticals. International Journal of Pharmaceutical Sciences. 3:68-82.
- Badei, A. Z. M., A.T.M. El-Akel, S.M.M. Faheid dan B.S.M Mahmoud. (2002). Application of some spices in flavoring and preservation of cookies: I- antioxidant properties of cardamom, cinnamon and clove. Deutsche Lebensmittel I-Rundschau. 98:176-183.
- Banker, S. G. And Anderson, R. N. Tablet in Lachman, L. Lieberman, The Theory and Practice of Industrial Pharmachy. 3rd ed. Lea and Febiger, Philadelphia.
- Binello A, Cravotto G, Nano GM, Spagliardi P (2004) Synthesis for chitosan-cyclodextrin adducts and evaluation of their bittermasking properties. Flavour Fragr J. 19:394–400.
- Bruzzone, F., G. Ares, dan A. Gimenez. 2013. Temporal aspects of yoghurt texture perception. International Diary Journal. 29: 124-134.
- Campbell, G. A., J. A. Charles, K. R. Skilton, M. Tsundupalli, C. K. Oh, A. Weinecke, R. Wagner and D. Franz. 2012. Evaluating the taste masking effectiveness of various flavors in a stable formulated pediatric suspension and solution using the Astree™ electronic tongue. Powder Technology. 224 :109-123.
- Chapman, K.W., H.T. Lawless, dan K.J. Boor. 2001. Quantitative descriptive analysis and principal component analysis for sensory characterization of ultrapasteurized milk. The Journal of Dairy Science. 84(1):12–20.
- Chauhan, R. 2017. Taste masking: a unique approach for bitter drugs. j. stem cell bio. transplant. Journal of Stem Cell Biology and Transplantation. 1 (2):1-6.
- Christwardana, M., M.M.A. Nur dan Hadiyanto. 2013. *Spirulina platensis* : potensisnya sebagai pangan fungsional. Jurnal Aplikasi Teknologi Pangan. 2(1):1-4.
- Dissa, A. O., H. Desmorieux, P.W. Savadogo, B.G. Segda, J. Koulidiati, and Shrinkage. 2010. Porosity and density behavior during convective drying of spirulina. J. Food Eng. 97:410–418.



- El Baky, H.H.A., F.K. El Baz, and El Baroty. 2009. Production of phe-nollic compounds from *Spirulina maxima* microalgae and its protective effects in vitro toward hepatotoxicity model. African J. of Pharmacy and Pharmacology. 3(4):133-139.
- Elkhalil E. A. I. Dan F. Y. Gaffar. 2011. Biochemical characterization of thermophilic amylase enzyme isolated from *Bacillus* strains. I.J.S.N. 2(3): 616 – 620.
- Evans, W. C. 2009. *Tease and Evans Pharmacognosy*. Sixteenth edition. Saunders Elsevier.
- Firdiyani, F., T.W. Agustini, dan W.F. Ma'aruf. 2015. Ekstraksi senyawa bioaktif sebagai antioksidan alami *Spirulina platensis* segar dengan pelarut yang berbeda. JPHPI. 18(1):28-37.
- Fitriya, W. dan K. Alfonita. 2018. Kemampuan kayu manis sebagai *masking agent off-flavor* produk pangan yang diperkaya *Spirulina platensis*. Jurnal Perikanan Universitas Gadjah Mada. 20(2):95-102.
- Goncalves, G.A.S., N. S. Resende, C. S. Goncalves, E. M. De Alcantara, E. E. N. Carvalho, J. A. de Resende, M. A. Cirillo and E. V.R. V. Boas. 2017. Temporal dominance of sensation for chararcterization of strawberry pul subjected to pasteurization and differen freezzing methods. Food and Technology. 77:412-421.
- Gomont, M. 1892. Monographie des Oscillariées (Nostocacées Homocystées). Deuxième partie. - Lyngbyées. *Annales des Sciences Naturelles, Botanique, Série 7*. 16: 91-26.
- Hanna, Z. A. D. Apriliani dan J. P. Sutikno. 2015. Studi awal dessain pabrik pupuk organik granul dari *organic waste*. Jurnal Teknik ITS. 4(2):13-16.
- Hadiyanto, M. Suzery, D. Setyawan, D. Majid dan H. Sutanto. 2017. Encapsulation of phycocyanin-alginate for high stability and antioksidant activity. IOP Conf. Series: Earth and Environtmental Science. 55:1-8.
- Henrikson, R.1989. Earth Food Spirullina. Ronore Enterprises Inc, Hawaii.
- Horio, T. and Y. Kawamura. 1989. Effect of texture of food on chewing patterns in the human subject. Journal of Oral Rehabilitation. 16:177-183.
- Inna,M., N. Atmania, dan S. Prismasari. 2010. Potential use of *Cinnamomum burmanii* essential oil-based chewing gum as oral antibiofilm agent. Journal of Dentistry Indonesia. 17(3): 80-86.
- Irmayanti, H. Syam dan Jamaluddin P. 2017. Perubahan tekstur kerupuk berpati akibat suhu dan lama penyangraian. Jurnal Pendidikan Teknologi Pertanian. 3:165-174.
- Kallakuntaa, V. R., H. Patila, R. Tiwaria, X. Yea, S. Upadhyeb, R. S. Vladykab, S. Sarabua, D. W. Kimd, S. Bandaria, M. A. Repka. 2019. Exploratory studies in heat-assisted continuous twin-screw granulation: a novel alternative technique to conventional dry granulation. International Journal of Pharmaceutics. 380–393.
- Kartika, B., P. Hastuti, W. Supartono. 1988. Pedomen uji inderawi bahan pangan. PAU pangan dan gizi UGM, Yogyakarta.
- Kilcast, D. 2003. Sensory Analytical Methods in Detecting Taints and Off-Flavours in Food. In: *Taints and off-flavours in food*. Edited by B. Baigrie. CRC Press, Florida.
- Kozlenko, R. and Henson R. H. 1998. Latest scientific research on Spirulina: Effects on the AIDS virus, cancer and the immune system. <https://inspiredliving.com/greenfoods/a~spirulina-immunesystem.htm>. Diakses tanggal 12 Januari 2021.



- Kulinowska, P., K. Woyna-Orlewiczb, J. Obrał, G. M. Rappenc, D. Haznar-Garbaczd, W. P. We glarze, R. Jachowicz, G. Wyszogrodzkab, J. Klajaf, P. P. Dorozynski. 2016. Multimodal approach to characterization of hydrophilic matrices manufactured by wet and dry granulation or direct compression methods. International Journal of Pharmaceutics. 499:263–270.
- Kustyawati, M. E., Setiawan, K., Lesmana, D., dan Handayani, S. 2019. Pengembangan biotapioka-hidroksipropil untuk eksipian tablet metode granulasi basah. Journal of Tropical Unpland Resources. 01(01):109-120.
- Labbe, D., P. Schlich, N. Pineau, F. Gilbert and N. Martin. 2009. Temporal dominance of sensation and sensory profiling: a comparative study. Food Quality Preference. 20:216-221.
- Lachman, L., Lieberman, H. A., and Kanig, J. L. 1986. The Theory and Practice of Industrial Pharmacy. 2nd ed. Lea and Febiger, Philadelphia.
- Leighton, C. S., H. C. Schonfeldt, dan R. Kruger. 2008. Quantitative Descriptive Sensory Analysis of Five Different Cultivars of Sweet Potato to Determine Sensory and Textural Profiles. Journal of Sensory Studies. 25:2-18.
- Lynatra, C., Wardiyah dan Y. Elisya. 2018. Formulation of effervescent tablet of temulawak extract (*Curcuma xanthorrhiza* Roxb.) wirth variation of stevia as sweetener. SANITAS: Jurnal Teknologi dan Seni Kesehatan. 9:72-82.
- Listyowati, T. 2017. Kayu Manis sebagai Agen *Masking Aftertaste* pada Es Krim *Spirulina platensis*. Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Liu, Y. F., L.Z. Xu, N. Cheng, L. J. Lin, and C. W. Zhang. 2000. Inhibitory effect of phycocyanin from *Spirulina platensis* on the growth of human leukimia K562 cells. J. Appl. Phycol. 12:125-130
- Lutony, T.L. 1993. Tanaman Sumber Pemanis. PT. Penebar Swadaya, Jakarta.
- Martin, A., J. Swarbrick, and A. Cammarata. 1983. Physical Pharmacy Third Ed. Lea & Febiger, Philadelphia.
- Meilgaard, M., G. Civille and B. T. Carr. 1999. Sensory Evaluation Techniques. Third Ed. CRC Press, Florida.
- Morais, E. C., A. G. Cruz, J. A. F. Faria, dan H. M. A. Bolini. 2014. Prebiotic gluten-free bread: Sensory profiling and drivers of liking. LWT Food Sci. Technol. 55:248–254.
- Mulyadi, M. D., I.Y. Astuti, B. A. Dhiani. 2011. Formulasi granul instan jus kelopak bunga rosela (*Hibiscus sabdariffa* L) dengan variasi konsentrasi povidone sebagai bahan pengikat serta kontrol kualitasnya. Pharmacy. 8:29-41
- Negara, H. P., Y. B. Iwan dan N. Ekantari. 2014. Pengkayaan β-karoten pada cokelat batang dengan penambahan *Spirulina platensis*. Jurnal Perikanan (J. Fish. Sci.). 16: 17-28.
- Noviyanti, S. Wahyuni dan M. Syukri. 2016. Analisis penilaian organoleptik *cake brownies* substitusi tepung *wikau maombo*. J. Sains Teknologi Pangan. 1(1):58-66.
- Nuryuliani, E. 2014. Penilaian Sensori Produk Susu Bubuk Vanila Di PT Frisian Flag Indonesia. Program Keahlian Supervisor Jaminan Mutu Pangan. Institut Pertanian Bogor. Tugas Akhir.
- Phillips, K.C. 1987. Stevia: Step in Developing A New Sweetener, In: Greenby T.H. (ed.) Development In Sweetener-3. Applied Science Publishers, London.



- Pineau, N., P. Schlich, S. Cordelle, C. Mathonnière, S. Issanchou, A. Imbert, E. Koster. 2009. Temporal dominance of sensations: construction of the TDS curves and comparison with time-intensity. *Food Quality and Preference*. 20:450–455.
- Putri, A. P., M. Ridwan, T. A. Darmawan, F. Darusman and A. Gadri. 2017. Calcium modified edible Canna (*Canna edulis L*) starch for controlled released matrix. *IOP Conference Series: Materials Science and Engineering*. 223:1-8.
- Rajniak, P., C. Mancinelli, R. Chern, F. Stepanek, L. Farber, and B. Hill. 2007. Experimental study of wet granulation in fluidized bed: impact of the binder properties on the granule morphology. *Int. J. Pharm.* 334:92–102.
- Restiningsih, M. 2020. Pengaruh Penambahan Bumbu Spekuk terhadap Cookies yang Difortifikasi *Spirulina platensis*. Fakultas Pertanian. Universitas Gadjah Mada. Skripsi.
- Rindengan, E., M. Abdassah, A.Y. Chaerunisa. 2018. Isolation and characterization of phsicochemical properties of mucilago gedi leaf (*Abelmoschus manihot* L. Medik). *Indonesian Journal of Pharmaceutical and Technology*. 5(3):100-106.
- Rodrigues, J. F., V. R. Souza, R. R. Lima, J. D. S. Carneiro, C. A. Nunes dan A. C. M. Pinheiro. 2016. Temporal dominance of sensations (TDS) panel behavior: A preliminary study with chocolate. *Food Quality and Preference*. 54:1-57.
- Rohmah, M. 2011. Aktifitas antioksidan pada campuran kopi robusta (*Coffea canephora*) dengan kayu manis (*Cinnamon burmanii*). *Jurnal Teknologi Pertanian*. 6:50-54.
- Salazar, V. A. G., S. V. Encalada, A. C. Cruz, & M. R. S. Campos. 2018. Stevia rebaudiana: a sweetener and potential bioactive ingredient in the development of functional cookies. *Journal of Functional Foods*. 44: 183-190.
- Saputra, J. S. E., T. W. Agustini dan E. N. Dewi. 2014. Pengaruh penambahan biomassa serbuk *Spirulina platensis* terhadap sifat fisik, kimia, dan sensori pada tablet hisap (*lozenges*). *JPHPI*. 17(3):281-291.
- Saranraj, P. And S. Sivasakthi. 2014. *Spirulina platensis*-food for future: a review. *Asian Journal of Pharmaceutical Science & Technology*. 4(1):26-33.
- Saraswati, I. G. A. A. I. 2019. Pengaruh Penambahan Stevia Komersial terhadap Oatmeal Cookies yang Difortifikasi sebagai Pangan Fungsional *Spirulina platensis*. Universitas Gadjah Mada Yogyakarta. Skripsi.
- Setyaningsih, D., A. Apriyantono dan M.P. Sari. 2010. Analisis Sensori untuk Industri Pangan dan Agro. IPB Press, Bogor.
- Shanmugam S. 2015. Granulation techniques and technologies: Recent progresses, BioImpacts. 5 (1): 55–63.
- Sheth, B.B., Bandelin, F.J., and Shangraw, R.F. 1980. Compressed Tablet, In: Lachman L., Lieberman H.A., Kanig J.L. *Pharmaceutical Dosage Forms, Tablets*, Volume I. Marcel Dekker Inc, New York.
- Sidel, J. L., R. N. Bleibaum and K.W. C. Tao. 2018. Quantitative Descriptive Analysis. John Wiley & Sons Ltd, USA.
- Silva, N. C., M. V.C. Machado, R. J. Brandão, C. R. Duarte, and M. A.S. Barrozo. 2019. Dehydration of microalgae *Spirulina platensis* in a rotary drum with inert bed. *Powder Technology*. 351:178-185.
- Simone V. D., D. Caccavo, G. Lamberti, M. d'Amore, A. A. Barba. 2018. Wet-granulation process: phenomenological analysis and process parameters optimization. *Powder Technology*. 340:411–419.



- Soekarto, S.T. 1985. Penilaian Organoleptik untuk Industri Pangan dan Hasil Pertanian. Bhratara Karya Aksara, Jakarta.
- Sohi, H., Y. Sultana and R. K. Khar. 2004. Taste masking technologies in oral pharmaceuticals: recent development and approach. Drug Development and Industrial Pharmacy. 30(5):429-448.
- Soni, R. A., K. Sudhakar, R.S. Rana. 2017. Spirulina-from growth to nutritional product: a review. Trends in Food Science & Technology. 69:157-171.
- Susanti, G.A.M., G. N. Jemmy, A. Prasetya, D. Putra. 2015. Pengaruh variasi kadar mucilago pati singkong 13%, 15% dan 17% sebagai pengikat terhadap sifat fisik tablet vitamin B kompleks untuk anjing. Jurusan Farmasi. Fakultas Matematika dan Ilmu Alam. Universitas Udayana.
- Tarwendah, I. P. 2017. Jurnal review: studi komparasi atribut sensoris dan kesadaran merek produk pangan. Jurnal Pangan dan Agroindustri. 5(2):66.73.
- Tietze, H.W. 2004. Spirulina micro food macro blessing (4th edition). Harald W. Tietze Publishing, Australia.
- Tri, R dan W.M. Agusto. 1990. Tepung Tapioka (Perbaikan). BPTTG Puslitbang Fisika Terapan – LIPI, Subang.
- Trilaksani, W., I. Setyaningsih dan D. Masluha. 2015. Formulasi *jelly drink* berbasis rumput laut merah dan *Spirulina platensis*. JPHPI. 18(1):74-82.
- Utami, P. dan D. S. Puspaningtya. 2013. The Miracle of Herbs. Agro Media Pustaka, Jakarta.
- Utami, R. P. dan H. Saputra. 2017. Pengaruh harga dan kualitas produk terhadap minat beli sayuran organik di pasar sambas Medan. Jurnal Niagawan. 6(2):44-53.
- Utomo, M.T.S. dan A. Prabakusumo. 2009. Formulasi pembuatan tablet hisap berbahan dasar mikroalga *Spirulina platensis* sebagai sumber antioksidan alami. Jurnal Sains MIPA. 15(3):67–176.
- Voigt, R. 1994. Buku Pelajaran Teknologi Farmasi. Gadjah Mada University Press. Yogyakarta.
- Wade, J. B., G. P. Martin, D. F. Long. 2014. Feasibility assessment for a novel reverse-phase wet granulation process: the effect of liquid saturation and binder liquid viscosity. Int J Pharm. 475: 450-461.
- Wijayanto, A. 2008. Formulasi Tablet Hisap Ekstrak Kemangi (*Ocimum sanctum L.*) Secara Granulasi Basah dengan Menggunakan Amilum Manihot sebagai Bahan Pengikat. Universitas Muhammadiyah Surakarta. Skripsi.
- Wikanta, T., Januar H.D. dan Nursed, M. 2005. Uji Aktivitas Antioksidan, Toksisitas dan Sitotoksitas Ekstrak Alga Merah *Rhodymenia palmate*. Jurnal Penelitian Perikanan Indonesia. 11(4): 12-25.