

DAFTAR PUSTAKA

- Agboola, S. O., Akingbala, J. O., & Oguntimein, G. B. (1991). *Physicochemical and Functional Properties of Low DS Cassava Starch Acetates and Citrates*. *Starch - Stärke*, 43(2), 62–66. <https://doi.org/10.1002/star.19910430207>
- Amalia, R., & Kumoro, A. C. (2015). *Studi Pengaruh Rasio reaktan, PH dan Waktu Reaksi terhadap Sifat Fisikokimia Tepung Gadung (Dioscorea hispida Dennst.) Terasetilasi*, 11(2).
- Balagopalan, C., Padmaja, G., Nanda, S.K., dan Moorthy, S.N. 1988. “*Cassava in Food, Feed, and Industry*”. Baco Raton, Florida. CRC Press,.
- Bello-Pérez, L. A., Agama-Acevedo, E., Zamudio-Flores, P. B., Mendez-Montealvo, G., & Rodriguez-Ambriz, S. L. (2010). *Effect of low and high acetylation degree in the morphological, physicochemical and structural characteristics of barley starch*. *LWT - Food Science and Technology*, 43(9), 1434–1440. <https://doi.org/10.1016/j.lwt.2010.04.003>
- Betancur, A. D., & Chel, G. L. (1997). *Acid Hydrolysis and Characterization of Canavalia ensiformis*, (1986), 4237–4241.
- Cereda, M. P. ., Vilpoux, I.M, D. (2003). *Modified Starch. Book Technology, use and Potentialities of Latin American Starchy Tubers*. Brazil: CPC International.
- Damat, D., Haryadi, H., Marsono, Y., & Cahyanto, M. N. *Efek pH dan Konsentrasi Butirat Anhidrida selama Butirilisasi Pati Garut*. *Agritech*, 28(2).
- Fennema O.R. (1985). *Principles of Food Science*. New York and basel: Marcel Dekker Inc.
- Harianingsih, & Wusana A. W. (2016). *Produksi Pati Sorgum Termodifikasi dengan Metode Asetilasi*, 12, 26–29.

Aisyah Dyah Indrianti, 2019

SINTESIS DAN KARAKTERISASI PATI TERASETILASI BERBAHAN DASAR TALAS LIAR

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- Hee joun g an. (2005). *Effects of ozonation and addition of amino acids on properties of rice starches*.
- Hustiany, R.2006. “*Modifikasi Asilasi dan Suksinilasi Pati Tapioka sebagai Bahan Enkapsulasi Komponen Flavor*”. Disertasi Pasca Sarjana. Institut Pertanian Bogor.
- Janathan. (2007). *Karakteristik Fisikokimia Tepung Bekatul Serta Optimasi Formula dan pendugaan Umur Simpan Minuman Campuran Susu Skim dan Tepung Bekatul*. Skripsi Fakultas Teknologi Pertanian Bogor. Bogor
- Jane, J., Shen, L., Chen, J., Lim, S., Kasemsuwan, T., & Nip, W. K. (1992). *Physical and Chemical Studies of Taro Starches and Flours*. *Cereal Chemistry*, 69(3 ml), 528–535.
- Khalil, M.I., Hashem, A. and Hebeish, A., (1995), “*Preparation and Characterization of Starch acetate*”, *Starch*. 47: 394-398.
- Kiatponglarp, W. (2007). *Production of Enzyme Resistant Starch from Cassava Starch*. Suranaree University of Technology: Ph.D. Thesis.
- Koswara, S. (2013). *Teknologi pengolahan umbi-umbian*. Bogor : bogor agricultural university.
- Kumoro, A C., Budiyati, C. S. R. D. S. (2014). *Calcium oxalate reduction during soaking of giant taro (*Alocasia macrorrhiza* (L .) Schott) corm chips in sodium bicarbonate solution*, 21(4), 1583–1588.
- Lachman, L., Lieberman, A. H., and Kanig L. J., 1996, *Teori dan Praktek Farmasi Industri*, diterjemahkan oleh Suyatmi S., Edisi ketiga, 399-401, 405-412, UI Press, Jakarta.
- Lawal, O. S., 2004. *Composition Physicochemical Properties and Retrogradation Characteristics of Native, Oxidised, Asetilated Acid-Thinned New Cocoyam (Xanthosoma sagittifolium) Starch* . *Food Chem*. 87: 205-218.
- Leach, H.W., McCowen, L.D. and Schoch, T.J., (1959), “*Structure of The Starch Granules. In: Swelling and Solubility Patterns of Various Starches*”, *Cereal Chem*. 36: 534 -544.

- Luo, Z.G. and Shi, Y.C., (2012), "Preparation of acetylated normal, waxy and high amylose maize starch with intermediate degrees of substitution in aqueous solution and their properties", *J Agric Food Chem.* 60: 9468-9475.
- Maideliza, T. (2013). *Analisis Morfologi Granula Pati dan Kristal Pada Beberapa Jenis Talas Analysis Morphology of Starch Grains and Crystals in Some Taro*, 2(September), 249–255.
- Mathews, P. J. P. P. J. (2004). *Genetic diversity in taro, and the preservation of culinary knowledge. Ethnobotany Research & Applications*, 2, 55–71. Retrieved from <http://scholarspace.manoa.hawaii.edu/handle/10125/13>
- Moningka, J. 1996. "Kajian viskositas umbi Kimpul (*Xanthosomasagittifolium scott*) dan Kemungkinan Pengaruhnya Terhadap Pengembangan Produk Olahannya". Fakultas Pertanian Unsrat. Manado.
- Niba, L. L. (2003). *Processing effects on susceptibility of starch to digestion in some dietary starch sources*. <https://doi.org/10.1080/096374803/000062038>
- Njintang, Y. N., Scher, J., & Mbofung, C. M. F. (2008). *Physicochemical , thermal properties and microstructure of six varieties of taro (Colocasia esculenta L . Schott) flours and starches*, 86, 294–305. <https://doi.org/10.1016/j.jfoodeng.2007.10.006>
- Nurhaeni, Dwiasmukti, P., & Prismawiryanti. (2018). *Modifikasi Pati Sukun (Artocarpus altilis) Menggunakan Anhidrida Asam Asetat dan Aplikasinya Pada Pembuatan Mie*, 4(April), 33–40.
- Nur M. (1956). *Tanaman Talas (Colocasia dan Beberapa Genus yang Lain)*. Jakarta: Kementrian Pertanian.
- Onwueme. (1999). *Taro cultivation in asia and the pacific*. Bangkok, Thailand: food and agriculture organization of the united nations.
- Pudiastuti, L., & Tika, P. (2013). *Pembuatan Dekstrin dari Tepung Tapioka secara Enzimatik dengan Pemanas Microwave. Teknologi Kimia dan Industri*, 2(2), 169-176.
- Tuschoff, J. V. 1989. *Hydroxypropylated starches*, in O.B. Wurzburg (Ed.).

- Modified Starches: Properties and uses.* CRC Press Boca Raton, Florida.
- Rahim, A., Kadir, S. F. (2016). *Physicochemical Characteristics of Acetated Arenga Starch*, 23(2), 157–163.
- Rahmawati, Yovita A.K. & Aryanti, N. (2012). *ALTERNATIF SUMBER PATI INDUSTRI DI INDONESIA* Wida Rahmawati , Yovita Asih Kusumastuti , Dr . Nita Aryanti , ST , MT *) Jurusan Teknik Kimia , Fakultas Fak. *Jurnal Teknologi Diponegoro, Universitas Soedarto*, 1(1), 347–351.
- Rajan, A., V. S. Prasad dan Abraham E.. 2006. “*Enzymatic Esterification of Starch Using Recovered Coconut Oil*”. *International Journal of Biological Macromolecules* 39:265-272.
- Richana, N. (2012). *Ubi Kayu dan Ubi Jalar*. Bandung: Nuansa Cendikiawa.
- Rosmayanti Venti. (2017). *Kajian Sifat Hidrokoloid Berbahan Dasar Upper Umbi Talas Liar (Colocasia esculenta L. Schott.)*. Bandung: Kimia FPMIPA Universitas Pendidikan Indonesia.
- Saha, D., & Bhattacharya, S. (2010). *Hydrocolloids as thickening and gelling agents in food: A critical review*. *Journal of Food Science and Technology*, 47(6), 587-597
- Sciarini, L., Maldonado, F., Ribotta, P., & Perez, G. (2009). *Chemical composition and functional properties of Gleditsia triacanthos gum*. *Food Hydrocolloids*, 306-313.
- Sefa-dede, S., & Agyir-sackey, E. K. (2004). *Chemical composition and the effect of processing on oxalate content of cocoyam Xanthosoma sagittifolium and Colocasia esculenta cormels*, 85, 479–487. [https://doi.org/10.1016/S0308-8146\(02\)00244-3](https://doi.org/10.1016/S0308-8146(02)00244-3)
- Singh, N., Singh, J., Kaur, L., Sodhi, N. S., & Gill, B. S. (2003). *Morphological, thermal and rheological properties of starches from different botanical sources*. *Food Chemistry*, 81(2), 219–231. [https://doi.org/10.1016/S0308-8146\(02\)00416-8](https://doi.org/10.1016/S0308-8146(02)00416-8)
- Sodhi, N. S., & Singh, N. (2005). *Characteristics of acetylated starches prepared using starches separated from different rice cultivars*, 70, 117–127.

- Swinkels, J.J.M. 1985. *Source of starch, its chemistry and physics*. Di dalam : G.M.A.V. Beynum dan J.A Roels (eds.). *Starch Conversion Technology*. Marcel Dekker, Inc. New York.
- Van De Burg, Y.E.M., Bergsma, I.P., Bleeker, H.C., Mijland, J.P., Kamerling, and J.F.G. Vliegthart. 2000. *Structural Studies on Methylated Starch Granules*: Review, *Starch/Strake* 52: 40-43.
- Wurzburg, O. (1995). *Modified Starch. Food Polysaccharides and Their Applications*. New York: Marcel Dekker Ink.

