

## DAFTAR PUSTAKA

- Adu, N., Javandira, C., & Sapanca, P. L. Y. (2021). Potensi Umbi Uwi (*Dioscorea alata L*) Terhadap Kematian Mencit Putih. *Agrimeta*, 11(1), 16–26.
- Alpizar-Reyes, E., Román-Guerrero, A., Gallardo-Rivera, R., Varela-Guerrero, V., Cruz-Olivares, J., & Pérez-Alonso, C. (2018). Rheological properties of tamarind (*Tamarindus indica L.*) seed mucilage obtained by spray-drying as a novel source of hydrocolloid. *International Journal of Biological Macromolecules*, 107(PartA), 817–824. <https://doi.org/10.1016/j.ijbiomac.2017.09.048>
- An-Nuha, F. (2018). Produksi dan Karakteristik Tepung, Pati dan Lendir dari Umbi Uwi (*Dioscorea alata*). *Macromolecules*, 107(PartA), 817–824.
- Ardianingsih, R., & Kumoro, A. C. (2019). Analisis Viskositas Slurry Propelan Untuk Akurasi Karakterisasi Rheologi Berbasis Perekat Hidroxy Terminated Polybutadiene Dengan Plasticizer Dioctyl Adipate. *Teknik*, 40(3), 154. <https://doi.org/10.14710/teknik.v40i3.27209>
- Azzahrah, N. I. (2021). Formulasi Pembuatan Biskuit Berbahan Baku Uwi Ungu (*Dioscorea Alata*), Rumput Laut (*Eucheuma Cottonii*), dan Tempe Kedelai (*Glycine Max*). 6.
- Behrouzian, F., Razavi, S. M. A., & Karazhiyan, H. (2013). The effect of pH, salts and sugars on the rheological properties of cress seed (*Lepidium sativum*) gum. *International Journal of Food Science and Technology*, 48(12), 2506–2513. <https://doi.org/10.1111/ijfs.12242>
- Björn, A., Segura, P., Monja, D. La, Karlsson, A., Ejlertsson, J., & Svensson, B. H. (2012). Rheological Characterization. *May 2014*. <https://doi.org/10.5772/32596>
- Du Toit, A., De Wit, M., Seroto, K. D., Fouché, H. J., Hugo, A., & Venter, S. L. (2019). Rheological characterization of cactus pear mucilage for application in nutraceutical food products. *Acta Horticulturae*, 1247, 63–72. <https://doi.org/10.17660/ActaHortic.2019.1247.9>
- Epriliati, I. (2012). Potensi Dioscorea Dalam Pangan Fungsional. *Jurnal Teknologi Pangan Dan Gizi (Journal of Food Technology and Nutrition)*, 1(1). <https://doi.org/10.33508/JTPG.V1I1.78>
- Erning, I., Harijono, & Bambang, S. (2012). Characteristics of Soaked and Dried Water Yam Flour as Material for Producing Edible Paper. *Jurnal Teknologi Pertanian*, 13(3), 169–176.
- Fajar, R., Yubaidah, S., & Sugianto, B. (2019). Seminar Nasional Tahunan Teknik Mesin (SNTTM) VIII. *Seminar Nasional Tahunan Teknik Mesin (SNTTM) VIII*, X, 552–560.
- Farahmand, A., Naji-Tabasi, S., & Shahbazizadeh, S. (2021). Influence of selected salts and sugars on the rheological behavior of quince seed mucilage. *Journal of Agricultural Science and Technology*, 23(2), 333–347.
- Fortuna, D., Mardjan, S. S., Sunarti, T. C., Darmawati, E., Widayati, S. M., & Purwanti, N. (2020). Extraction and characteristic of *Dioscorea alata* mucilage. *IOP Conference Series: Earth and Environmental Science*, 542(1). <https://doi.org/10.1088/1755-1315/542/1/012016>
- Fortuna, D., Mardjan, S. S., Sunarti, T. C., Darmawati, E., Widayati, S. M., & Purwanti, N. (2020b).

- Extraction and characteristic of *Dioscorea alata* mucilage. *IOP Conference Series: Earth and Environmental Science*, 542(1). <https://doi.org/10.1088/1755-1315/542/1/012016>
- French, B. R. (2006). Food Crops of Papua New Guinea: An introduction to the crops, their importance and distribution in Papua New Guinea.
- Godshall, M. A., Eggleston, G., Thompson, J., & Kochergin, V. (2021). *Sugar*. <https://doi.org/10.1002/0471238961.1618151603151215.a01.pub3>
- Gunaratne, A., & Hoover, R. (2002). Effect of heat-moisture treatment on the structure and physicochemical properties of tuber and root starches. *Carbohydrate Polymers*, 49(4), 425–437. [https://doi.org/10.1016/S0144-8617\(01\)00354-X](https://doi.org/10.1016/S0144-8617(01)00354-X)
- Gustiani, D., Jumari, & Murningsih. (2019). Struktur dan Komposisi Vegetasi Pohon pada Habitat Uwi-Uwian (*Dioscorea spp.*) di Kelurahan Jabungan dan Hutan Kampus Undip Tembalang , Semarang. *Jurnal Akademika Biologi*, 8(1), 21–29.
- Hapsari, T. R. (2014). Prospek Uwi Sebagai Pangan Fungsional Dan Bahan Diversifikasi Pangan. *Buletin Palawija*, 0(27), 26–38.
- Herawati, H. (2018). Potensi Hidrokoloid Sebagai Bahan Tambahan Pada Produk Pangan dan Nonpangan Bermutu. *Jurnal Penelitian Dan Pengembangan Pertanian*, 37(1), 17. <https://doi.org/10.21082/jp3.v37n1.2018.p17-25>
- Hermiati, Naomi Yemima Manalu, & Mersi Suriani Sinaga. (2013). Ekstrak Daun Sirih Hijau Dan Merah Sebagai Antioksidan Pada Minyak Kelapa. *Jurnal Teknik Kimia USU*, 2(1), 37–43. <https://doi.org/10.32734/jtk.v2i1.1425>
- Hoefler, A. C. (2004). *Hydrocolloids*. Eagan Press.
- Isbir, A., & Syaukany, F. (2022). Pengaruh Potensi Industri Garam , Produksi Garam , dan Luas Lahan Industri Garam terhadap Pertumbuhan Ekonomi di Kabupaten Sampang. *I*(12), 4325–4332.
- Kar, F., & Arslan, N. (1999). Effect of temperature and concentration on viscosity of orange peel pectin solutions and intrinsic viscosity – molecular weight relationship. *40*, 277–284.
- Kassem, I. A. A., Joshua Ashaolu, T., Kamel, R., Elkasabgy, N. A., Afifi, S. M., & Farag, M. A. (2021). Mucilage as a functional food hydrocolloid: Ongoing and potential applications in prebiotics and nutraceuticals. *Food and Function*, 12(11), 4738–4748. <https://doi.org/10.1039/d1fo00438g>
- Lumbantoruan, P., & Yulianti, E. (2016). Pengaruh Suhu terhadap Viskositas Minyak Pelumas (Oli). *Jurnal Sainmatika*, 13(2), 26–34.
- Ma, F., Li, X., Ren, Z., Särkkä-Tirkkonen, M., Zhang, Y., Zhao, D., & Liu, X. (2021). Effects of concentrations, temperature, pH and co-solutes on the rheological properties of mucilage from *Dioscorea opposita* Thunb. and its antioxidant activity. *Food Chemistry*, 360(February). <https://doi.org/10.1016/j.foodchem.2021.130022>
- Mansur, S., Barus, H. N., & Madauna, I. (2015). Respon Pertumbuhan dan Hasil Ubi Banggai (*Dioscorea alata*) Jenis "Baku Pusus" Terhadap Pemberian Pupuk Anorganik, Organik, dengan Mulsa Jerami Padi. *J. Agroland*, 22(2), 131.

- Nadia, L., Wirakartakusumah, M. A., Andarwulan, N., & Eko Hari Purnomo. (2013). Karakterisasi Sifat Fisikokimia Dan Fungsional Fraksi Pati Uwi Ungu (*Dioscorea Alata*). *Penelitian Gizi Dan Makanan*, 36(2), 91–102.
- Prabowo, A. Y., Teti, E., & Indria, P. (2014). Gembili (*Dioscorea esculenta L.*) as Food Contain Bioactive Compounds: A Review. *Jurnal Pangan Dan Agroindustri*, 2(3), 129–135.
- Putri, N. A. (2015). Sifat Rheologi Mocaf (Modified Cassava Flour) dan Tapiolka dengan Variasi pH. In *Skripsi*. <https://repository.unej.ac.id/handle/123456789/65349>
- Razavi, S. M. A., Cui, S. W., & Ding, H. (2016). Structural and physicochemical characteristics of a novel water-soluble gum from *Lallemantia royleana* seed. *International Journal of Biological Macromolecules*, 83, 142–151. <https://doi.org/10.1016/j.ijbiomac.2015.11.076>
- Richana, N., & Sunarti, T. C. (2004). Karakterisasi Sifat Fisikokimiatepung Umbi Dan Tepung Pati Dari Umbi Ganyong, Suweg, Ubikelapa Dan Gembili. *J.Pascapanen*, 1(1), 29–37.
- Richardson, P. H., & Norton, I. T. (1998). Gelation behavior of concentrated locust bean gum solutions. *Macromolecules*, 31(5), 1575–1583. <https://doi.org/10.1021/ma970550q>
- Salehi, F., Kashaninejad, M., & Behshad, V. (2014). Effect of sugars and salts on rheological properties of Balangu seed (*Lallemantia royleana*) gum. *International Journal of Biological Macromolecules*, 67, 16–21. <https://doi.org/10.1016/j.ijbiomac.2014.03.001>
- Trachtenberg, S., & Mayer, A. M. (1980). Biophysical properties of *Opuntia ficus-indica* mucilage. *Phytochemistry*, 21(12), 2835–2843. [https://doi.org/10.1016/0031-9422\(80\)85052-7](https://doi.org/10.1016/0031-9422(80)85052-7)
- Vardhanabhuti, B., & Ikeda, S. (2006). Isolation and characterization of hydrocolloids from monoi (*Cissampelos pareira*) leaves. *Food Hydrocolloids*, 20(6), 885–891. <https://doi.org/10.1016/j.foodhyd.2005.09.002>
- Velázquez-Gutiérrez, S. K., Figueira, A. C., Rodríguez-Huezo, M. E., Román-Guerrero, A., Carrillo-Navas, H., & Pérez-Alonso, C. (2015). Sorption isotherms, thermodynamic properties and glass transition temperature of mucilage extracted from chia seeds (*Salvia hispanica L.*). *Carbohydrate Polymers*, 121, 411–419. <https://doi.org/10.1016/j.carbpol.2014.11.068>
- Warda, S. S. I. (2018). Studi pembuatan es krim uwi ungu. *Jurnal Teknologi Pertanian*, 1, 8–12.
- Winarti, S., & Saputro, E. A. (2013). Karakteristik Tepung Prebiotik Umbi Uwi (*Dioscorea spp*) Yam Tuber Flour Prebiotic Characteristic (*Dioscorea spp*). *J. Teknik Kimia*, 8(1), 17–21.
- Wuryantoro, W. (2020). The Potentialof “Uwi” Plant (*Dioscoreasp.*) as a Non-Rice Alternative Food Material. *Gontor AGROTECH Science Journal*, 6(3), 327. <https://doi.org/10.21111/agrotech.v6i3.4920>
- Yanes, M., Durán, L., & Costell, E. (2002). Effect of hydrocolloid type and concentration on flow behaviour and sensory properties of milk beverages model systems. *Food Hydrocolloids*, 16(6), 605–611. [https://doi.org/10.1016/S0268-005X\(02\)00023-1](https://doi.org/10.1016/S0268-005X(02)00023-1)
- Yousefi, A. R., Eivazlou, R., & Razavi, S. M. A. (2016). Steady shear flow behavior of sage seed gum affected by various salts and sugars: Time-independent properties. *International Journal of*

