

DAFTAR PUSTAKA

- Afiah, R. N., Supartono, W., Suwondo, E. (2019). Potential of heavy metal contamination in cultivated red seaweed (*Gracilaria* sp. and *Euchema cottonii*) from coastal area of Java, Indonesia. *IOP Conf. Series: Earth and Environmental Science*, 365.
- Ahmad, R. Z. (2009). Cemarap Kapang pada Pakan dan Pengendaliannya. *Jurnal Litbang Penelitian*, 28(1).
- Ambari, M. (2021, March 24). *Mikroalga, Pakan Alami Budi daya Perikanan - Mongabay.co.id*. Mongabay. Retrieved December 12, 2021, from <https://www.mongabay.co.id/2021/03/24/mikroalga-pakan-alami-budi-daya-perikanan/>
- Association of Official Agriculture Chemists. (2002). Official methods of analysis of AOAC international. *Agricultural Chemicals, Contaminants, Drugs*, 1, 2.5-2.37.
- Asensio, J., Uceda, D., & Navarro, P. (2021). Studying Inorganic Arsenic, Heavy Metals, and Iodine in Dried Seaweed. *Spectroscopy Supplements*, 36(S9), 24-34. <https://www.spectroscopyonline.com/view/studying-inorganic-arsenic-heavy-metals-and-iodine-in-dried-seaweed>
- Bedoux, G., Hardouin, K., Burlot, A., & Bourgougnon, N. (2014). Bioactive Components from Seaweeds: Cosmetic Applications and Future Development. *Advances in Botanical Research*, 71.
- Beresford, M., Andrew, P., & Shama, G. (2001). *Listeria monocytogenes* adheres to many materials found in food-processing environments. *Journal of Applied Microbiology*, 90, 1000-1005.
- Bernhoft, R. (2012). Mercury Toxicity and Treatment: A Review of the Literature. *Journal of Environmental and Public Health*.
- Bhattacharyya, S., Feferman, L., Unterman, T., & Tobacman, J. (2015). Exposure to Common Food Additive Carrageenan Alone Leads to Fasting Hyperglycemia and in Combination with High Fat Diet Exacerbates Glucose Intolerance and Hyperlipidemia without Effect on Weight. *Journal of Diabetes Research*.
- Biorollo, G. A., Reinheimer, J. A., & Vinderola, C. G. (2001). Enterococci vs non-lactic acid microflora as hygiene indicators for sweetened yoghurt. *Food Microbiol*, 18, 597-604.
- Boulos, N., Greenfield, H., & Wills, R. (2000). Water holding capacity of selected soluble and insoluble dietary fibre. *International Journal of Food Properties*, 3(2), 217-231.
- Boyle, E., Bishop, J., Grassl, G., & Finlay, B. (2007). Salmonella: from Pathogenesis to Therapeutics. *Journal of Bacteriology*, 189(5), 1489-1495.
- Campo, V., Kawano, D., da Silva Jr., D., & Carvalho, I. (2009). Carrageenans: Biological properties, chemical modifications and structural analysis – A review. *Carbohydrate Polymers*, 77, 167-180.
- Coliform in Drinking Water*. (2022). Retrieved 14 December 2021, from <https://www.doh.wa.gov/communityandenvironment/drinkingwater/contaminants/coliform>

- Committee on Medical and Biologic Effects of Environmental Pollutants. (1977). ARSENIC. *National Academy of Sciences*.
- Dion, R. (2020). Analisis Cemaran Kapang dan Khamir pada Jamu Serbuk Instan Jahe Merah dan Temulawak. *Berkala Bioteknologi*, 3(2).
- Dowshen, S. (2018). *When Blood Sugar Is Too High (for Teens) - Nemours KidsHealth*. Kids Health. Retrieved December 9, 2021, from <https://kidshealth.org/en/teens/high-blood-sugar.html>
- European Copper Institute (ECI). (2008). *European union risk assessment report: voluntary risk assessment of copper, copper II sulphate pentahydrate, copper(I)oxide, copper(II)oxide, dicopper chloride trihydroxide*. European Chemicals Agency (ECHA). <http://echa.europa.eu/web/guest/copper->
- FDA. (2013). *Yogurt 21 CFR 131.200, Code of Federal Regulations*.
- Ferdouse, F., Holdt, S., Smith, R., Murúa, P., & Yang, Z. (2018). The global status of seaweed production, trade and utilization. *FAO Globefish Research Programme*, 124.
- Ferreira, V., Wiedmann, M., Teixeira, P., & Stasiewicz, M. (2014). *Listeria monocytogenes* Persistence in Food-Associated Environments: Epidemiology, Strain Characteristics, and Implications for Public Health. *Journal of Food Protection*, 77(1), 150-170.
- Food and Agriculture Organization of the United Nations. (2018). The global status of seaweed production, trade and utilization. *Globefish Research Programme*, 124.
- Food Standards Australia New Zealand (FSANZ). (2013). Survey of inorganic arsenic in seaweed and seaweed-containing products available in Australia.
- García, R., & Báez, A. P. (2011). *Atomic Absorption Spectroscopy*. InTech.
- Godt, J., Scheidig, F., Grosse-Siestrup, C., Esche, V., Bradenburg, P., Reich, A., & Groneberg, D. (2006). The toxicity of cadmium and resulting hazards for human health. *Journal of Occupational Medicine and Toxicology*, 1(22).
- Gomez-Zavaglia, A., Lage, M., Jimenez-Lopez, C., Mejuto, J., & Simal-Gandara, J. (2019). The Potential of Seaweeds as a Source of Functional Ingredients of Prebiotic and Antioxidant Value. *Antioxidants*, 8.
- Goyal, R., Nguyen, M., & Jialal, I. (2021, September 28). *Glucose Intolerance - StatPearls*. NCBI. Retrieved December 9, 2021, from <https://www.ncbi.nlm.nih.gov/books/NBK499910/>
- Güler, Z., & Park, Y. (2011). Characteristics of physico-chemical properties, volatile compounds and free fatty acid profiles of commercial set-type Turkish yoghurts. *Open Journal of Animal Sciences*, 1.
- Hervet, C. J., Martin, N. H., Boor, K. J., & Wiedmann, M. (2017). Survival and detection of coliforms, Enterobacteriaceae, and gram-negative bacteria in Greek yogurt. *Journal of Dairy Science*, 100(2), 950-960.
- Howe, P., Watts, P., & World Health Organization. (2005). Tin and Inorganic Tin Compounds. *Concise International Chemical Assessment Document* 65.
- Ilahude, Delyuzar & Herawati, Erni. (2010). Heavy Metal Contents in Marine Sediments and Seawater at Totok Bay Area, North Sulawesi. *Bulletin of the Marine Geology*, 25(1).

- Ishida, S., Andreuz, P., Poitry-Yamate, C., Auwerx, J., & Janahan, D. (2013). Bioavailable copper modulates oxidative phosphorylation and growth of tumors. *Proc Natl Acad Sci*, 110(48).
- Jaiswal, A., Bisht, K., Ch, Z., Dey, A., & Sharma, D. (2019). TIN Toxicity with Analytical Aspects and its Management. *International Journal of Forensic Science*, 2(2).
- Jang, J., Hur, H., Sadowsky, M., Byappanahalli, M., Yan, T., & Ishii, S. (2017). Environmental Escherichia coli: ecology and public health implications—a review. *Journal of Applied Microbiology*, 123.
- Kamus Istilah. (n.d.). Direktorat Standardisasi Pangan Olahan. Retrieved December 13, 2021, from <https://standarpangan.pom.go.id/cekbtp/web/kamus/index>
- Kaur, R., Kaur, G., Rima, Mishra, S., Panwar, H., Mishra, K., & Brar, G. (2017). Yogurt: A Nature's Wonder for Mankind. *International Journal of Fermented Foods*, 6(1), 57-69.
- Kellyann. (2021). *What Do Heavy Metals And Mold Toxicity Have In Common?* Platinum Energy Systems. Retrieved December 10, 2021, from <https://platinumenergysystems.ca/blog/post/what-do-heavy-metals-and-mold-toxicity-have-in-common>
- Kholisoh, G. (2015). *Uji Viabilitas Enkapsulasi Lactobacillus casei Menggunakan Matriks Kappa Karagenan terhadap Simulasi Cairan Asam Lambung* [Skripsi].
- Khotimchenko, M., Tiasto, V., Kalitnik, A., Begun, M., Khotimchenko, R., Leonteva, E., Bryukhovetskiy, I., & Khotimchenko, Y. (2020). Antitumor potential of carrageenans from marine red algae. *Carbohydrate Polymers*, 246.
- Khotimchenko, Y., Khozhaenko, E., Khotimchenko, M., Kolenchenko, E., & Kovalev, V. (2010). Carrageenans as a New Source of Drugs with Metal Binding Properties. *Marine Drugs*, 8, 1106-1121.
- Kurtz, J., Goggins, A., & McLachlan, J. (2017). Salmonella infection: interplay between the bacteria and host immune system. *Immunol Lett.*, 190.
- Lange, K., Hauser, J., Nakamura, Y., & Kanaya, S. (2015). Dietary seaweeds and obesity. *Food Science and Human Wellness*, 4, 87-96.
- Lestari, Tri Rini Puji. (2020). Penyelenggaraan Keamanan Pangan sebagai Salah Satu Upaya Perlindungan Hak Masyarakat sebagai Konsumen. *Aspirasi: Jurnal Masalah-Masalah Sosial*, 11(1).
- Marlina, L., Lantika, U., Darusman, F. (2020). Review: Jenis-Jenis Stabilizer pada Yogurt. *Prosiding Farmasi*, 6(2).
- McHugh, D. (2003). A guide to the seaweed industry. *FAO Fisheries Technical Paper*, 441.
- Meliawaty, F. (2012). Efisiensi Sterilisasi Alat Bedah Mulut melalui Inovasi Oven dengan Ozon dan Infrared. *JKM*, 11(2), 147-167. <https://media.neliti.com/media/publications/151988-ID-efisiensi-sterilisasi-alat-bedah-mulut-m.pdf>
- Merdekawati, W., & Susanto, A. (2009). Kandungan dan Komposisi Pigmen Rumput Laut serta Potensinya untuk Kesehatan. *Squalen*, 4(2).
- Møretrø, T., Heir, E., Nesse, L., Vestby, L., & Langsrud, S. (2012). Control of Salmonella in food related environments by chemical disinfection. *Food Research International*, 45(2), 532-544.

- Mouritsen, O. (2013). The Science of Seaweeds. *American Scientist*, 101(6), 458.
<https://www.americanscientist.org/article/the-science-of-seaweeds>
- Muhardina, V., Ermaya, D., Aisyah, Y., & Haryani, S. (2017). Pengaruh Karagenan, Alginat dan Ampas Tahu Prebiotik terhadap Visualisasi Fisik dan Rendemen Kapsul Probiotik. *Seminar Nasional II USM 2017*, 1.
- Novianti L. (2003). Pemanfaatan kombinasi tipe kappa dan iota karagenan setengah jadi (semi refined carrageenan) sebagai pengental dan stabilisator pada formula krim kulit [skripsi]. Depok: Fakultas Matematika dan Ilmu Pengetahuan, Universitas Indonesia.
- NRC. (2000). *Copper in drinking water*. National Academies Press.
- Pangestu, R., Legowo, A., Al-Baarri, A., & Pramono, Y. (2017). Aktivitas Antioksidan, pH, Viskositas, Viabilitas Bakteri Asam Laktat (BAL), Pada Yogurt Powder Daun Kopi Dengan Jumlah Karagenan Yang Berbeda. *Jurnal Aplikasi Teknologi Pangan*, 6(2).
- Perryman, S., Lapong, I., Mustafa, A., Sabang, R., Rimmer, M. (2017). Potential of metal contamination to affect the food safety of seaweed (*Caulerpa* spp.) cultured in coastal ponds in Sulawesi, Indonesia. *Aquaculture Reports*, 5, 27-33.
- Rahayu, N., Hendarto, E., Sulistiyawati, I., & Agustiani, R. (2020). Coliform Bacteria Quantity as Bioindicator for Water Pollution (Case Study of Several Tributaries in Purwokerto City, Banyumas Regency, Central Java). *Jurnal Ilmiah Ilmu-Ilmu Hayati*, 5(1), 42-47.
- Rahayu, P. P. & Andriani, R. D., (2018). MUTU ORGANOLEPTIK DAN TOTAL BAKTERI ASAM LAKTAT YOGURT SARI JAGUNG DENGAN PENAMBAHAN SUSU SKIM DAN KARAGENAN. *Jurnal Ilmu dan Teknologi Hasil Ternak*, 13(1), 38-45.
- Rahimzadeh, M., Kazeni, S., & Moghadamnia, A. (2017). Cadmium toxicity and treatment: An update. *Caspian J Intern Med*, 8(3), 135-145.
- Rashid, A.a. Huma, N. Saedd, S., Shahzad, K., Ahmad, I., Nawaz, S., dan Imran, M. (2019). Characterization and development of yogurt from concentrated whey. *International Journal of Food Engineering and Technology*, 3(1), 1-7.
- Rice, K., Walker, E., Wu, M., Gillette, C., & Blough, E. (2014). Environmental Mercury and Its Toxic Effects. *Journal of Preventive Medicine and Public Health*, 47.
- Rianti, A., Christopher, A., Lestari, D., & El Kiyat, W. (2018). Penerapan Keamanan dan Sanitasi Pangan pada Produksi Minuman Sehat Kacang-kacangan UMKM Jukajo Sukses Mulia di Kabupaten Tangerang. *Jurnal Agroteknologi*, 12(2).
- Rifani, A., Ma'ruf, W., & Romadhon. (2016). Pengaruh Perbedaan Konsentrasi Karagenan terhadap Karakteristik Empek-empek Udang Windu (*Penaeus monodon*). *J. Peng. & Biotek. Hasil Pi.*, 5(1).
- Rijal, M., T., R., Natsir, N., Amin, M., Rochman, F., Badwi, D., & Bahalwan, F. (2014). Bioakumulation Heavy Metals Lead (Pb) and Cadmium (Cd) Seagrass (*Enhalus acroides*) in Waai and Galala Island Ambon. *International Journal of Sciences: Basic and Applied Research*, 16(2), 349-356.
- Rinaudo, M. (2007). Seaweed Polysaccharides. *Chemistry to Systems Biologi*, 2, 691-735.
- Sagita, A., Utomo, T., Prakoso, K., Mahardika, R., Molinda, D., & Herawati, V. (2015). Uji Potensi Karagenan Jenis Rumpun Laut *Kappahycus alvarezii* sebagai Sumber Penghasil Bioetanol. *Prosiding Seminar Nasional Perikanan dan Kelautan V*.

- Salawati, A., Montolalu, R., Damongilala, L., Wonggo, D., Reo, A., Makapedua, D., & Sanger, G. (2021). Cemar Mikrobiologi Pada Tepung Karagenan. *Media Teknologi Hasil Perikanan*, 9(1), 14-19.
- Shukla, P., Borza, T., Critchley, A., & Prithviraj, B. (2016). Carrageenans from Red Seaweeds As Promoters of Growth and Elicitors of Defense Response in Plants. *Front. Mar. Sci*, 3(81)
- SKPT Sumba Timur Kementrian Kelautan dan Perikanan. (2019, August 9). *Potensi Pengembangan dan Persyaratan Budidaya Rumput Laut*. KKP | Kementerian Kelautan dan Perikanan. Retrieved December 12, 2021, from https://kkp.go.id/SKPT/Sumba_Timur/artikel/12801-potensi-pengembangan-dan-persyaratan-budidaya-rumput-laut
- Stratford, M. (2006). Food and Beverage Spoilage Yeasts. In *Yeasts in Food and Beverage* (pp. 335-379). Springer.
- Suryani, D., Sutomo, A., & Aman, A. (2019). Factors Associated with Food Safety Practices on Food Handlers in Primary School Canteens. *Unnes Journal of Public Health*, 8(1).
- Torres, M., Flórez-Fernández, N., & Domínguez, H. (2019). Integral Utilization of Red Seaweed for Bioactive Production. *Marine Drugs*, 17(6).
- Tresnati, J., Yasir, I., Zainudin, Syafiuddin, Aprianto, R., & Tuwo, A. (2021). Metal bioaccumulation potential of the seaweed *Kappaphycus alvarezii*. *IOP Conf. Series: Earth and Environmental Science*, 763.
- van de Velde, F., Knutsen, S., Usov, A., Rollema, H., & Cerezo, A. (2002). ¹H and ¹³C high resolution NMR spectroscopy of carrageenans: application in research and industry. *Trends in Food Science and Technology*, 13(3).
- Weerathilake, W., Rasika, D., Ruwanmali, J., & Munasinghe, M. (2014). The evolution, processing, varieties and health benefits of Yogurt. *International Journal of Scientific and Research Publications*, 4(4).
- Weiss, K., & Linder, M. (1985). Copper transport in rats involving a new plasma protein. *m J Physiol-Endocrinol Metab*, 249(1).
- Wibowo, Arif. (2019). *Rumput Laut, Komoditas Penting Yang Belum Dioptimalkan*. KKP BALAI BESAR PENGUJIAN PENERAPAN PRODUK KELAUTAN DAN PERIKANAN, DIREKTORAT JENDERAL PENGUATAN DAYA SAING PRODUK KELAUTAN DAN PERIKANAN. Retrieved December 12, 2021, from <https://kkp.go.id/djpdspkp/bbp2hp/artikel/14127-rumput-laut-komoditas-penting-yang-belum-dioptimalkan>
- Winge, D., & Mehka, R. (1990). Host defenses against copper toxicity. *Int Rev Exp Pathol*, 31.
- Yong, W., Chin, J., Thien, V., & Yasir, S. (2017). Heavy metal accumulation in field cultured and tissue culture *Kappaphycus alverzii* and *Gracilaria changii*. *International Food Research Journal*, 24(3), 970-975.
- Zellatifanny, C., & Mudjiyanto, B. (2018). Tipe Penelitian Deskripsi Dalam Ilmu Komunikasi. *Jurnal Diakom*, 1(2), 83-90.