

## DAFTAR PUSTAKA

- Adams, M.R., M.O Moss. 2000. **Food Microbiology**. Second Edition. RSC – Royal Society of Chemistry. pp.479.
- Anam, Choirul. Sirojudin dkk. April 2007. **Analisis Gugus Fungsi Pada Sampel Uji, Bensin Dan Spiritus Menggunakan Metode Spektroskopi FT-IR**. *Berkala Fisika*. Vol 10 no.1. 79 – 85.
- Apriyantono A, D. Fardiaz, N.L. Puspitasari, Sedarnawati dan S. Budiyanto. 1989. **Petunjuk Laboratorium Analisa Pangan**. Bogor: Pusat Antar Universitas IPB
- Barbosa, G.V., C.E. Ortega., R.P. Juliano., H.Yan. 2005. **Food Powders, Physical Properties, Processing and Functionality**. Kluwer Academic/ Plenum Publisher. New York. 199-303 hlm
- Benita, S. 2006. **Microencapsulation: methods and industrial application**. (Edisi 2). Boca Raton: CRC Press
- Brenner, Tom, Rando Tuvikene, Alan Parker, and Shingo Matsukawa. 2014. “**Food Hydrocolloids Rheology and Structure of Mixed Kappa-Carrageenan / Iota-Carrageenan Gels**.” *Food Hydrocolloids* 39. Elsevier Ltd: 272–79. doi:10.1016/j.foodhyd.2014.01.024.
- Campo, Vanessa Leiria, Daniel Fabio Kawano, Dilson Braz Da Silva, and Ivone Carvalho. 2009. “**Carrageenans: Biological Properties, Chemical Modifications and Structural Analysis – A Review**.” *Carbohydrate Polymers* 77 (2). Elsevier Ltd: 167-80. Doi:10.1016/j.carbpol.2009.01.020.
- Charpentier, C.A., P. Gadille, B. Digat and J.B. Benoit. 1998. **Microencapsulation of Rhizobacteria by spray drying** : formulation and survival studies. *J Microencapsulation* 15:639–659.
- Copeland L, Blazek J, Salman H, Tang MC 2009. **Form and functionality of starch**. *Food Hydrocolloids* 23:1527-1534
- Ding. W.K., and Shah N.P. 2009. **Effect of Various Encapsulating Materials on the Stability of Probiotic Bacteria**. *Journal Of Food Science*. 74: 100-107.
- Elvis Ferdinand Bosawer . 2010. **Komposisi Dan Karakteristik Fisik Pati Ubi kayu (Manihot utilissima) asal distrik Masni Kabupaten Manokwari**. [Skripsi] Jurusan Teknologi Pertanian. Universitas Negeri Papua Manokwari.
- FAO/WHO. 2002. **Guidelines for the evaluation of Probiotics in food**. London, Ontario, Canada, April 30 and May 1.

- Firdaus M, Setijawati D, Kartikaningsih. 2014. **The Effect of *Lactobacillus Acidophilus* Microcapsule Which Encapsulated by Kappa Caragenan Toward In Vivo Functional Test Processing Technology Laboratory.** Faculty of Fisheries And Marine Sciences, Brawijaya University journal of life science *E-ISSN : 2355-9926. Vol 01 NO. 01.*
- Garrity, George M, Julia A Bell, Timothy G Lilburn, and East Lansing. 2004. ***Taxonomic Outline Of The Prokaryotes Bergey's Manual of Systematic Bacteriology.*** Springer. doi:10.1007/bergeysoutline200405.
- Grace, M.R. 1977. **Cassava Processing.** Food and Agriculture Organization of United Nations, Roma.
- Guerin, D., Vuilleumard, J.C. and Subirade, M. 2003. **Protection of *bifidobacteria* encapsulated in polysaccharide-protein gel beads against gastric juice and bile.** *J Food Prot.* 66: 2076–2084.
- Hadi M. 2008. **FTIR spectrum of laser dye fluorescein doped polymer PMMA films.** *ISSN : 2249 - 8877 Volume 3 Issue 3*
- Hernández-Carmona G., E.Hernández-Garibay. 2013. **Conventional and Alternative Technologies for the Extraction of Algal Polysaccharides.** Woodhead Publishing Limited.
- Hood, S.K. and E.A. Zottola. 1998. **Effect of low pH on the ability of *Lactobacillus acidophilus* to survey and adherence to human intestinal cells.** *Journal of Food Science* 53: 1514-1516
- Imeson, 1998. Carrageenan. In G.O., Phillips and P.A William (Eds). **Handbook Of Hydrocolloids.** (pp 87102) cambridge., Woodhead Publishing Ltd.
- Jafari, S.M., E. Assadpoor., Y. He., B. Bhandari. 2008. **Encapsulation Efficiency of Food Flavours and Oils during Spray Drying.** *Drying Technology.* 26:816-835
- Kanbe, M. 1992. *Traditional Fermented Milks of The World.* In: Nazakawa, Y., and A. Hosono (ed.). **Function of Fermented Milks : Challenge for the Health Science.** Elsevier SciencePublisher.
- Krasaekoopt, W., Bhandari, B. dan Deeth, H. (2003). **Evaluation of encapsulation techniques of probiotic for yoghurt.** *International Dairy Journal* 13: 3-13.
- Kurniawati, Y. 2003. **Pengaruh Pemberian *Lactobacillus* terhadap Kadar Kolesterol Darah Tikus Putih.** Bogor: Jurusan Biokimia FMIPA IPB.
- Legowo, A. M. dan Nurwanto. 2004. **Analisis Pangan. Diktat Kuliah Program Studi Teknologi Ternak Fakultas Peternakan UNDIP.** Semarang.
- Lian, W.C., H.C.Hsio and C.C. Chou. 2002. **Survival of *Bifidobacterium longum* after spray drying.** *Int. J. Food Microbiol.* 74:79–86.



Liliek H. A.R., Yunianta., Bambang Dwi Argo. **Pembuatan Pati Tinggi amilosa secra enzimatis dari Pati Ui kayu (*Manihot esculenta*) dan aplikasinya untuk pembuatan Maltosa.** El-Hayah Vol 1, September 2009. Pembuatan Pati tinggi amilosa (14-24).

Manojlovic, Verica, Nedovic, and Kasipathy Kailasapathy. 2010. **“Encapsulation of Probiotics for Use in Food Products.”** In *Encapsulation Technologies for Active Food Ingredients and Food Processing*, edited by N.J. Zuidam and V.A. Nedovic, 269–302. Springer Science+Business Media. doi:10.1007/978-1-4419-1008-0.

Murtaza, G, M Ahmad and G Shahnaz, 2010. **“Microencapsulation of Diclofenac Sodium by Nonsolvent Addition Technique”.** *Tropical Journal of Pharmaceutical Research April 2010; 9 (2): 187-195.*

Napitupulu, R.N.R., T. Yulinery, R. Hardiningsih, E. Kasim, dan N. Nurhidayat. 2003. **Daya ikat kolesterol dan produksi asam organik isolate *Lactobacillus* terseleksi untuk penurun kolesterol.** *Prosiding Pertemuan Ilmiah Tahunan Perhimpunan Mikrobiologi Indonesia.* Bandung, 29-30 Agustus 2003.

Necas, J, and L Bartosikova. 2013. **“Carrageenan : A Review.”** *Vetrinari Medicina* 58: 187–205.

Nusantoro, B.P., Haryadi B., N dan P. Darmadji, 2003. **Pembuatan tepung Jagung Kuning serta Karakteristik Produknya.** *Agritech* Vol 25, N0.3 Hal. 148-153.

Norsanto, I. 2004. **Pembuatan Minuman Sebagai Usaha Diversifikasi Rumput Laut (*E. cottonii*).** Skripsi. Fakultas Perikanan dan Ilmu Kelautan. Institut Pertanian Bogor

O’Grady, B., G.R Gibson. 2007. **Microbiota in Human Gut.** In: Tammie, A (Ed) **Probiotic dairy product.** Blackwell Publishing Ltd. United Kingdom. Hal 1-12.

Ooi, Lay-gaik, and Min-tze Liong. 2010. **“Cholesterol-Lowering Effects of Probiotics and Prebiotics : A Review of in Vivo and in Vitro Findings.”** *International Journal of Molecular Science* 11: 2499–2522. doi:10.3390/ijms11062499.

Ostertag, C., 2001. **World Production and Marketing of Starch in Cassava Flour and Starch:** Progress and Research and Development dalam <http://www/fao.org/docrep/X5032E08.GIF>

Pasifico, C.J., W. Wu and M. Fraley. 2001. **Sensitive substance encapsulation.** US Patent 6 281 478.

Prescott, L., Harley, J. and Klein, D.A. 2002. **Microbiology** 5<sup>th</sup> edition. McGraw-Hil. P 820-950.

- Reineccius, G.A. 2001. Multiple-Core Encapsulation: **The Spray Drying of Food Ingredients**. In: **Vilstrup, P. Miroencapsulation of Food Ingredients**. 1st Ed. LFRA Ltd. London
- Rismana, E., 2004. **Modifikasi Pati untuk Farmasi** dalam : [www.pikiranrakyat.com/cetak/0504/06cakrawala/lainnya03.htm](http://www.pikiranrakyat.com/cetak/0504/06cakrawala/lainnya03.htm)
- Rohmah, S. 2013. **Pengaruh Penambahan Natrium Hidroksida (NaOH) Terhadap Kandungan Protein dan Abu pada Karaginan Rumput Laut (*E. cottonii*) Pasca Panen**. Skripsi. Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam. Universitas Negeri Semarang. Semarang
- Rowe C Raymond, Paul J Sheskey, Marian EQuinn. (2009). **Hand book of pharmaceutical excipients**. 6<sup>th</sup> Ed. Hal 110, 549, 564, 682, 685.
- Sanders, M.E., Glenn G.,Harshansjit S.G.2007. **Probiotic: Their Potential to Impact Human Health**. CAST Issue Paper No 36.
- Sastrohamidjojo.H.1991. **Kromatografi**. Yogyakarta : UGM Press
- Setijawati, Susinggh W, and Imam. 2011. **“Viabilitas Dan Struktur Mikrokapsul *Lactobacillus Acidophillus* Dengan Bahan Penyalut Karaginan Semi Murni Jenis *Eucheuma Cottoni*.”** *Jurnal Teknologi Pangan* 2 (1): 50–67.
- Setijawati D., Susinggh W., Aulaniám., Imam S. 2012. **“Penggunaan Caragenan Dengan Metode Proses Berbeda (src Dan Rc) Sebagai Bahan Pengenkapsulat.”** *Jurnal Teknologi Pangan* 3 (1): 1–12.
- Shah , NP. 2007. **Functional Cultures and Health Benefits**. International Dairy Journal. 17: 1262-1277
- Shortt C. 1999. **The probiotic century: historical and current perspectives**. *Review on Trend Food Science and Technology* 10: 411-417.
- Sievert, D. dan Y. Pomeranz. 1989. **Enzyme resistant starch I. Characterisation and Evaluation by Enzymatic, Thermoanalytical, Microscopic Methods**. *Cereal Chem*. 66:342-347
- Syarief., M.D., Herdian,H. 1993. **Teknologi Penyimpanan Pangan**. Kerja sama dengan Pusat Antar Universitas Pangan dan Gizi IPB. Penerbit Arcan. Jakarta.
- Su L.C., Chin-When Lin dan Ming-Ju Chen. 2007. **Development of an Oriental-style Dair product Coagulated by Microcapsules Containing Probiotics and Filtrates from Fermented Rice**. *International J of Dairy Technology*. Vol. 60. No 1: 49-54.
- Susanti, F. I. 2014. **Pengaruh Fortifikasi Mikrokapsul yang Berbeda pada produk Mie Terhadap Viabilitasnya**. Universitas Brawujaya, Malang.



- Thalib A., H Hamid., B Haryanto. 2002. “**Efek Coating Terhadap Kemurnian, Viabilitas Dan Aktivitas Sediaan Bakteri (Probiotik SR) Selama Penyimpanan.**” In *Seminar Nasional Teknologi Peternakan Dan Veteriner 2002*, 1–4.
- Tonukari NJ. 2004. **Cassava and the future of starch.** Electronic Journal of Biotechnology. Vol. 7 No. 1. Issue of April 15. 2004
- Tortora, G.J., Berdell R.F., Christin L.C. 2014. **Microbiology an introduction. Pearson new international edition.** British Library. Printed in United States of American. Hal 55-328
- Triana, E., dan N. Nurhidayat. 2007. **Seleksi dan Identifikasi Lactobacillus Kandidat Probiotik Penurun Kolesterol Berdasarkan Analisis Sekuen 16s RNA.** Biota, 12 (55-60).
- Ulfah, M., 2009. **Pemanfaatan Iota Karaginan (Eucheuma Spinosum) Dan Kappa Karaginan Sebagai Sumber Serat Untuk Meningkatkan Kekenyalan Mie Kering.** Fakultas Perikanan dan Ilmu Kelautan, IPB. Bogor.
- Van A. W.B.M., Copley and A.I Morgan. 1973. **Food Dehidration.** The AVI Publishing Co., Inc., Wsport. Connecticut. ISSN : 2407-8050 Vol 1 No 2 Hal 278-282.
- Veni, Kartikasari. 2012. **Pengaruh Penggunaan Busa Putih Telur dan Lama Pengeringan dengan metode foam-mat drying terhadap viabilitas dan shelf life L.acidophilus yang terenkapsulasi RC (Refaine caragenan) campuran kappa iota. [Skripsi].** Fakultas Perikanan dan Ilmu Kelautan Universitas Brawijaya Malang.
- Venkatesan, P., Manavalan, R., & Valliappan, K. 2009. **Microencapsulation: a vital technique in novel drug delivery system.** *J. Pharm. Sci. & Res.*, 1, 26-35.
- Waluyo Lud. 2001. **Mikrobiologi Umum Edisi Revisi.** Malang: UMM Press; 2007.h. 319 dan 330.
- Wu W, W.S. Roe, V.G. Gimino, V. Seriburi, D.E. Martin and S.E. Knapp. 2000. **Low Melt Encapsulation with High Laurate Canola Oil.** US. Patent 6 153 326.
- Yuliani, S., Desmawarni and M.S. Rusli 2007. “**Effect of encapsulating material compositions on the properties of Encapsulated ginger oleoresin**” Paper presented on International Seminar on Essential Oil, Jakarta, 7-9 November 2007.
- Yulinery, T., R.N.R. Napitupulu, R. Hardiningsih, E. Kasim, E. Triana, dan N. Nurhidayat. 2004. **Aktivitas Lactobacillus sp. sebagai galur probiotik terhadap kadar HDL dan LDL tikus putih hiperkolesterolemia. Pertemuan Ilmiah Tahunan Perhimpunan Mikrobiologi Indonesia.** Semarang. 27-28 Agustus 2004.

Zubaedah E., Joni K., Ima A., 2003. **Pembuatan Laru Yogurt dengan Metode Foam-mat Drying Kajian Penambahan Busa Putih Telur Terhadap Sifat Fisik dan Kimia.** *Jurnal Teknologi dan Industri Pangan*. Vo XIV. Hal : 258-261.

Zuidam N.J. and V.A. Nedović. 2010. **Encapsulation Technologies for Active Food Ingredients and Food Processing.** Springer Science+Business Media, LLC. Laboratory of Functional Foods, Nutraceuticals and Food Nanoscience, Faculty of Biotechnology and Food Engineering, Technion - Israel Institute of Technology.

