

## DAFTAR PUSTAKA

- Akcaay, H. dan Anagun A.S. 2013. Multiresponse Optimization Application on A Manufacturing Factory. *Mathematical Application*. 18(3):531-538.
- Anief, M. 1999. Sisten Dispersi, Formulasi Suspensi, dan Emulsi. UGM Press.Yogyakarta.
- Anonim. 2015. Produsen VCO kualitas terbaik. [www.grubikugroup.com/2017/12/15/produsen-vco-ualitas-terbaik](http://www.grubikugroup.com/2017/12/15/produsen-vco-ualitas-terbaik) akses pada 26 Des 2017
- Bezerra, M.A; Santelli, R.E; dan Oliveira, E.P. 2008. *Response Surface Methodology (RSM) as A Tool for Optimization in Analytical Chemistry*. Talanta 76: 965-977
- Deng, Q., Wang L., Wei F., Xie B., Huang F., Huang W., Shi J. Huang Q., Tian B., dan Xue S. 2011. Functional Properties of Protein Isolates, Globulin, and Albumin Extracted from *Ginkgo biloba* seeds. *Food Chemistry*. 124:1458-1465.
- Enomoto, H., C-P. Li, K. Morizane, H.R. Ibrahim, Y. Sugimoto, S. Ohki, H. Ohtomo, dan T. Aoki. 2008. Improvement of functional properties of bovine serum albumin through phosphorylation by dry-heating in the presence of pyrophosphate. *Journal of Food Science*, 73:C84-C91.
- Essuman, E.K., Ankar Brewii, G.M., Barimah, J. dan Ofosu, I.W. 2014. Functional Properties of Protein Isolat from Fern Fronds. *International Food Research journal*. 21(5):2085-2090.
- Ferreira, S.L.C ; Bruns, R.E; Ferreira, H.S; Matos, G.D; David, J.M; Brandao, G.C; Da Silva, E.G.P; Portugal, L.A; Reis, P.S D; Souza, A.S. dan Dos Santos, W.N.L. 2007. Box-Behnken Design: An Alternative for the Optimization of Analytical Methods. *Analytica Chimica Acta* 597: 179-186
- Ghadave, A. 2014. Determination of hydrophylic-lipophylic value. *IJSR* 3(4): 573-575.
- Gupta, R.K., James, K., dan Smith, F.J. 1983. Sucrose esters and sucrose ester/glyceride blends as emulsifiers. *JAOCs* 60(4): 862-869.
- Haerani. 2010. Pemanfaatan Limbah Virgin Coconut Oil (Blondo). *Jurnal MKMI*, 6(4):244-248.

- Haryono, A., Restu, W.K., dan Harmami, S.B. 2012. *Preparasi dan karakterisasi nanopartikel aluminum fosfat*. J. Sains Materi Indonesia 14 (1): 51-55.
- Hayashi, Yoko, Can-Peng Li, Hirofumi Enomoto, Hisham R. Ibrahim. 2008. Improvement of functional properties of Ovotransferrin by phosphosrylation trough dry-heating in the presence of pyrophosphate. *Asian-Aust.J.Anim.Sci*, 21(4):596-602.
- Herastuti, S.R. 1988. Perbaikan Sifat-Sifat Fungsional Protein Dedak Padi Secara Kimiawi. *Disertasi*. Fakultas Pascasarjana IPB.
- Karouw, Steivie, dan Rindengan. 2015. Konsentrat Protein Krim Kelapa untuk Makanan Ringan. *Warta Penelitian dan Pengembangan Tanaman Industri*, 21(1):1-3.
- Krause, J.P. 2002. Comparisson of the effect of acylation and phosphorylation on surface pressure, surface potential and foaming properties of protein isolates from rapeseed (*Brassica napus*). *Industrial Corps and Products*, 15:221-228.
- Kumagai, Hitomi. 2012. *Food Proteins and Peptides, Bab VII: Chemical and Enzymatic Protein Modifications and Functionality Enhancement*. CRC Press, New York.
- Kunsheng, Zhang, Li Yang-Yang, dan Ren Yunxia. 2007. Research on the phosphorylation of soy protein konsentrate with sodium tripoly phosphate. *Journal of Food Engineering*, 79:1233–1237
- Kusnanadar, F. 2011. Kimia Pangan. Komponen Makro. Cetakan 1. Dian Rakyat, Jakarta.
- Li-Chan, E.C.Y. 2004. *Proteins in Food Processing, Chapter II: Properties of proteins in food systems, an introduction*. Woodhead Publishing in Food Science and Technology: USA.
- Li, C.-P., Hayashi, Y., Shinohara, H., Ibrahim, H. R., Sugimoto, Y., Kurawaki, J., Matsudomi, N., and Aoki, T. 2005. Phosphorylation of ovalbumin by dry-heating in the presence of pyrophosphate: Effect on protein structure and some properties. *Journal of Agricultural and Food Chemistry*, 53(12): 4962–7
- Li, Can-Peng, Hirofumi Enomoto, Yoko Hayashi, Hui Zhao, dan Takayoshi Aoki. 2010. Recent advances in phosphorylation of food proteins: a review. *LWT-Food Science and Technology*, 43:1295-1300.
- Lowry, O.H., Rosebrough N. J., Farr A.L., dan Randall R.J. 1951. Protein Measurement with folin phenol reagent. *The Journal of Biological Chemistry*, 193:265-275.

- Macedo, JPF., Leonardo, I., Fernandes, F.R., Formiga, M.f., Reis, T.N., Junior, L.A., Soares, I., dan Socrates, T.E. 2006. Micro-emultocrit technique, The Valuable Tool for Determination of Critical HLB Value of Emultions. *American Assiosiation of Pharmaceutical Scientist. Pharmaceutical Science Technology* 7:21.
- Maeda, H. 2000. *Soluble soybean polysaccharide*. In *Handbook of Hydrocolloids*, eds. G. O. Phillips and P. A. Williams, pp. 309–20. Cambridge: CRC Press
- Malhotra, A., dan Coupland J.N. 2004. The Effect of Surfactants on the Solubility, Zeta Potential, and Viscosity of Soy Protein Isolates. *Food Hydrocolloids*.18(1):101-108.
- Matsumura, Yasuki, dan Kentaro Matsumiya. 2012. *Food Proteins and Peptides, Bab V: Proteins-Peptides as Emulsifying Agents*. CRC Press, New York.
- Miedzianka, J. dan A. Peksa. 2013. Effect of pH on phosphorylation of potato protein konsentrate. *Food Chemistry*, 138:2321-2326.
- Muchtadi D., Sri Palupi Nurheni, Astawan Made. 2007. *Metabolisme Zat Gizi Jilid I*. Pustaka Sinar Harapan: Jakarta.
- Myers, Raymond H. 2008. *Respon Surface Methodology: Process and Product Optimization Using Designed Experiment*. Wiley: USA.
- Ochiai-Yanagi, S., Miyauchi, H., Saio, K., dan Watanabe T. 1978. Modified Soybean protein with High Water Holding Capacity. *Cereal Cemistry*. 55:157-167.
- Pearce, K.N., dan Kinsella J.E. 1978. Emulsifying properties of proteins: evaluation of turbidimetric technique. *Journal of Agricultural and Food Chemistry*; 26: 716–723
- Permatasari, Siti, Pudji Astuti, Bambang Setiaji, dan Chusnul Hidayat. 2015. Sifat Fungsional Konsentrat Protein Blondo (*Coconut Presscake*) dari Produk Samping Pemisahan VCO dengan Berbagai Metode. *Jurnal Agritech*, 35(4):441-448.
- Peodjiadji, Anna., dan F.M. Titin Supriyanti. 2006. *Dasar-Dasar Biokomia*. UI Press : Jakarta.
- Prajina, N.V. 2013. Multiresponse Optimizationof CNC End Milling Using Response Surface Methodology and Desirability Function. *International Journal of Engineering Research and Technology*. 6(6):739-746.
- Resendiz, A.S., Sayra, R.B., Jose, R.R., Bertha, B.D., Sergio, O.S.S., dna Cristina C.H. 2017. Phosphoesterification of Soybean and Peanut Portein with sodium trimetaphosphat (STMP): Changes inStructure to Improve Functionality for Food Application. *Food Chemistry*. 290:299-305.

- Sathe, Shridhar, Harshal H Kshirsagar, dan Ghirdari M Sharma. 2012. Solubilization, Frcatination, and Electrophoretic Characterization of Inca Peanut (*Plukenetia volubilis* L.) Proteins. *Plant Foods for Human Nutrition*. 67(3):247-255.
- Setiaji, B., dan Prayugo S. 2006. *Membuat VCO Berkualitas Tinggi*. Penebar Swadaya: Jakarta.
- Sung, H. Y., Chen, H. J., Liu, T. Y., and Su, J. C. 1983. Improvement of the functionalities of soy protein konsentrate through chemical phosphorylation. *Journal of Food Science*, 48(3):716–21
- Suzanna, N. 2006. Sifat Kimia dan Fisika pada Bsikuit dari Blondo Hasil Samping Pengolahan Minyak Kelapa Murni. *Skripsi*. Jurusan Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada.
- Sze-Tao K.W.C., dan Sathe S.K. 2000. Functional properties and in vitro digestibility of almond (*Prunus dulcis*L.) protein konsentrate. *Food Chemistry*, 69:645-652.
- Thaiphanit, Somruedee, dan Pranee Anprung. 2016. Physicochemical and emulsion properties of edible protein concentrate from coconut (*Cocos nucifera*L.) processing by-products and the influence of heat treatment. *Food Hydrocolloids*, 52:756-765.
- Vriesmann, L.C; Teofilo, R.F; dan Petkowicz, C.L.D.O. 2012. Extraction and Characterization of Pectin From cacao Pod Husks (*Theobroma cacao* L.) with Citric Acid. *Food Science and Technology* 49 : 108-116
- Wang, Xi-Bo dan Yu-Jie Chi. 2012. Preparation of Microwave-Phosphorylated Soy Protein Isolates Through Box-Behnken Model Optimization. *CyTA-Journal of Food*. 10(3)210-215.
- Williams, P. A. and Phillips, G. O. 2000. *Gum Arabic*. In *Handbook of Hydrocolloids*, eds. G. O. Phillips and P. A. Williams, pp. 155–168. Cambridge: CRC Press.
- Winarno. 2004. *Kimia Pangan dan Gizi*. PT. Gramedia Pusat : Jakarta.
- Xiong, Zhouyi, Maojie Zhang, dan Meihu Ma. 2016. Emulsifying Properties of Ovalbumin: Improvement and Mechanism by Phosphorylation in the presence of sodium tripolyphosphat. *Food Hydrocolloids*. 60:29-37.
- Yu, Lina, Weiqiang Y., Jie Sun, Chushu Zang, Jie Bi, dan Qingli Yang. 2014. Preparation, Characterisation and physiocemical properties of the phosphat modified peanut protein obtained from *Arachin conarahin* L. *Food Chemistry*. 170: 169-179.