

## DAFTAR PUSTAKA

- Ahmed, J., Dolan, K. & Mishra, D., 2012. Chemical Reaction Kinetics Pertaining to Foods. In: J. Ahmed & M. S. Rahman, eds. *Handbook of Food Process Design*. UK: Blackwell Publising, pp. 113-166.
- Atun, S., 2009. *Potensi Senyawa Isoflavon dan Derivatnya dari Kedelai (*Glycine max.* L) serta Manfaatnya untuk Kesehatan*. Yogyakarta, Fakultas MIPA, Universitas Negeri Yogyakarta, pp. 33-41.
- Born, H., 2006. *attra.ncat.org*. [Online]  
Available at: <https://attra.ncat.org/product/edamame-vegetable-soybean/>
- BPS, 2018. *Kabupaten Jember dalam Angka 2018*, Jember: BPS Kabupaten Jember.
- Cao, X. et al., 2017. Drying Kinetics and Product Quality of Green Soybean under Different Microwave Drying Methods. *Drying Technology*, pp. 240-248.
- Ceylan, E., McMahon, W. & Garren, D. M., 2017. Thermal Inactivation of *Listeria monocytogenes* and *Salmonella* during Water and Steam Blanching of Vegetables. *Journal of Food Protection*, 80(9), pp. 1550-1556.
- Coradi, P. C., Fernandes, C. H. P., Helmich, J. C. & Goneli, A. L. D., 2016. Effect of Drying Air Temperature and Grain Initial Moisture Content on Soybean Quality. *Journal of Brazilian Association of Agricultural Engineering* 36(5), pp. 866-876.
- Curtis, O. F. & Clark, D. G., 1950. *An Introduction to Plant Physiology*. New York: McGraw-Hill Book Company, Inc..
- Dricsoll, R. H. & Srzednicki, G., 2017. Vegetable Dryer Modeling. In: M. Zhang, B. Bhandari & Z. Fang, eds. *Advances in Drying Science and Technology : Handbook of Drying of Vegetables and Vegetable Products*. Boca Raton: CRC Press, pp. 349-386.
- Duan, X., 2017. Main Current Vegetable Drying Technology II : Freeze-Drying and Related Combined Drying. In: *Handbook of drying of vegetables and*

- vegetable products*. New York: CRC Press Taylor & Francis Group, pp. 25-44.
- Dwevedi, L. & Kayastha, A. M., 2011. Soybean : A Multifaced Legume with Enormous Economic Capabilities. In: *Soybean - Biochemistry, Chemistry, and Phsicology*. Croatia: InTech, pp. 165-188.
- Endres, G. & Kandel, H., 2015. *NDSU Extension Service*. [Online] Available at: [www.ag.ndsu.edu/agcomm/creative-commons](http://www.ag.ndsu.edu/agcomm/creative-commons)
- Endres, J. G., 2001. *Soy Protein Products : Characteristics, Nutritional Aspects, and Utilization ed.Revised and Expanded*. Illinois: AOCS Press.
- F.Ren, et al., 2017. Impact of Ultrasound and Blanching on Functional Properties of Hot-Air Dried and Freeze Dried Onions. *LWT- Food Science and Technology*, Issue 87, pp. 102-111.
- Ferreira, C. D. et al., 2019. Changes in Phenolic Acid and Isoflavone Contents during Soybean Drying and Storage. *Journal of Agricultural and Food Chemistry*, Issue 67, pp. 1146-1155.
- Gibney, M. J., Macdonald, I. & Roche, H. M., 2003. *Nutrition and Metabolism, Edited on Behalf of The Nutritional Society*. Kent: Gray Publishing.
- Hanganu, D., Vlase, L. & Olah, N., 2010. Phytochemical Analysis of Isoflavons from some Fabaceae Species Extracts. *Not. Bot. Hort. Agrobot. Cluj*, 38(1), pp. 57-60.
- Hariyadi, P., 2007. Teknologi Pembekuan Pangan. *Foodreview Indonesia*, Juli, Volume II, pp. 30-35.
- Hariyadi, P., 2013. Freeze Drying Technology: for better quality & flavor of dried products. *Foodreview Indonesia*, February, VIII(2), pp. 52-57.
- Hauth, M. R. et al., 2018. Physical Properties of Different Soybean Cultivars during Drying. *Eng. Agric.* , 38(4), pp. 590-598.
- Huang, M. & Zhu, Q., 2017. Nondestructive Measurement of Quality Parameters of Vegetables during Drying by Optical Sensing Technology. In: B. B. Min Zhang & Z. Fang, eds. *Advances in Drying Science and Technology : Handbook of Drying of Vegetables and Vegetable Products*. Boca Raton: CRC Press, pp. 430-454.

- Hu, Q.-g.et al., 2006. Effects of Different Drying Methods on the Quality Changes of Glanular Edamame. *Drying Technology*, Issue 24, pp. 1025-1032.
- Jiang, n. et al., 2017. Evaluation of Freeze Drying Combines with Microwave Vacuum Drying for Functional Okra Snacks : Antioxidant Properties, Sensory Quality, and Energy Consumption. *LWT- Food Science and Technology*, Issue 82, pp. 216-226.
- Kim, C. et al., 2017. Role of Steam Blanching and Vacuum Packaging on the Physical and Microbiological Quality of Fresh Vegetable Soybean (Edamame) During Storage. *Austin Food Sciences*, 23 January.p. id1029.
- Kumar, V. et al., 2011. Evaluation of Vegetable-Type Soybean for Sucrose, Taste-Related Amino Acids, and Isoflavones Contents. *International Journal of Food Properties*, 14(5), pp. 1142-1151.
- Li, Y.-s.et al., 2012. Greater differences exist in seed protein, oil, total soluble sugar and sucrose content of vegetable soybean genotypes [*Glycine max* (L.) Merrill] in Northeast China. *Australian Journal of Crop Science*, 12(AJCS).
- Li, Y.-s.et al., 2012. Greater Differences Exist in Seed Protein, Oil, Total Soluble Sugar, and Sucrose Content od Vegetable Soybean Genoypes (*Glycine max* L. Merrill) in Northeast China. *Australian Journal of Crop Science*, 6(12), pp. 1681-1686.
- Lv, W. & Zhang, M., 2017. Main Current Vegetable Drying Technology I : Hot Airflow Drying and Related Combination Drying. In: *Handbook of drying of vegetables and vegetable products*. New York: CRC Press Taylor & Francis Group , pp. 3-24.
- Manuwa, S. I., 2011. Properties of Soybean for Best Postharvest Options. In: H. A. El-Shemy, ed. *Soybean Physiology and Biochemistry*. Croatia: InTech, pp. 51-62.
- Martynenko, A., 2017. Computer Vision and Its Aplications for Drying of Vegetables. In: B. B. Min Zhang & Z. Fang, eds. *Advances in Drying Science and Technology : Handbook of Drying of Vegetables and Vegetable Products*. Boca Raton: CRC Press, pp. 455-488.

- Miles, A. C., O'Dea, J., Daniels, C. H. & King, J., 2018. *Edamame*, Washington: Pasific Northwest Extension.
- Montelius, C. et al., 2014. Body Weight Loss, Reduced Urge for Palatable Food, and Increased Release of GLP-1 Through Daily Supplementation with Green-Plant membranes for Three Month in Overweight Woman. *Appetite* 81, pp. 295-304.
- Nicolin, D. J., Defendi, R. O., Rossoni, D. F. & Jorge, L. M. d. M., 2018. Mathematical Modeling of Soybean Drying by a Fractional-Order Kinetic Model. *Journal of food Process Engineering* 41, p. e12655.
- Nishinari, K. et al., 2018. Soy as a Food Ingredient. In: *Proteins in Food Processing*. Duxford: Woodhead Publishing, pp. 149-186.
- Obendorf, R. L. & Kosina, S. M., 2011. Soluble Carbohydrates in Soybean. In: *Soybean - Biochemistry, Chemistry, and Physiology*. Croatia: InTech, pp. 201-228.
- Oliveira, S. M., Brandao, T. R. & Silva, C. L., 2016. Influence of Drying Processes and Pretreatments on Nutritional and Bioactive Characteristics of Dried Vegetables: A Review. *Food Eng Rev* 8, p. 134–163.
- Purnama, S. M., Cheng, C.-K. & AR, N. H., 2018. The Export Performance of Indonesian Edamame in Japan Market. *Scholar Journal of Economics, Business, and Management*, 30 July, pp. 590-596.
- Rajkumar, G. et al., 2017. Comparative Evaluation of Physical Properties and Volatiles Profile of Cabbage Subjected to Hot Air and Freeze Drying. *LWT - Food Science and Technology*, Issue 80, pp. 501-509.
- Ruiz-Ojeda, L. M. & Penas, F. J., 2013. Comparison Study of Conventional Hot-Water and Microwave Blanching on Quality of Green Beans. *Innovative Food Science and Emerging Technologies*, Issue 20, pp. 191-197.
- Saldivar, X., Wang, Y., Chen, P. & Mauromoustakos, A., 2010. Effect of Blanching and Storage Conditions on Soluble Sugar Content in Vegetable Soybean. *LWT - Food Science and Technology*, Volume 43, pp. 1368-1372.
- Santana, A. C. et al., 2012. Evaluation of the Shelf-Life of Vegetable-Type Soybean Pods. *Brazilian Archives of Biology and Technology*, 55(4), pp. 591-595.

- Sharma, S., Kaur, M., Goyal, R. & Gill, B. S., 2014. Physical characteristics and nutritional composition of some new soybean (*Glycine max* (L.) Merrill) genotypes. *J Food Sci Technol*, 3(Association of Food Scientists & Technologists).
- Shurtleff, W., Huang, H. & Aoyagi, A., 2014. *History of Soybeans and Soyfoods in China and Taiwan, and in Chinese Cookbooks, Restaurants, and Chinese Work with Soyfoods Outside China (1024 BCE to 2014) : Extensively annotated Bibliography and Sourcebook Including Manchuria, Hongkong and Tibet*. USA: Soyinfo Center.
- Simonne, A. et al., 2000. Retention and Changes of Soy Isoflavones and Carotenoids in Immature Soybean Seeds (Edamame) during Processing. *Journal Agriculture Food Chemistry*, Volume 48, pp. 6061-6069.
- Singh, R., 2017. Botany and Cytogenetics of Soybeans. In: *The Soybean Genome*. USA: Springer International Publishing, pp. 11-40.
- Sitindaon, R., 2018. *Rancangbangun dan Uji Kinerja Mesin Freeze Dryer untuk Pengeringan Buah-Buahan*, Yogyakarta: Universitas Gadjah Mada.
- Soewanto, H., Prasongko, A. & Sumarno, 2013. Agribisnis Edamame untuk Ekspor. In: *Kedelai : Teknik Produksi dan Pengembangan*. Bogor: Badan Penelitian dan Pengembangan Pertanian, pp. 416-443.
- Song, J.-Y., An, G.-H. & Kim, C.-J., 2003. Color, Texture, Nutrient Content, and Sensory Values of Vegetable Soybean [*Glycine max* (L.) Merrill] as Affected by Blanching. *Food Chemistry*, Issue 83, pp. 69-74.
- Song, J., Liu, C., Jiang, X. & Li, D., 2015. Quaity Evaluation of Vacuum Microwave-Dried Immature Vegetable Soybean (*Glycine max* L. Merrill). *Journal of Food Quality*, Issue 38, pp. 337-346.
- Stacey, G., 2008. Genetics and Genomics of Soybean. *Plant Genetics and Genomics: Crops and Models*, I(Springer).
- Sturm, B. & Hensel, O., 2017. Pigment and Nutrients during Vegetable Drying Processes, Dried Product Storage and Their Associated Color Change. In: B. B & Z. F, eds. *Handbook of Drying of Vegetables and Vegetable Products*. Florida: CRC Press, pp. 257-278.

- Suprayitno, E. & Sulistiyati, T. D., 2017. *Metabolisme Protein*. Malang: UB Press.
- Toyb, N., Gayi, S. & Zhang, Y., 2016. *Soy Beans*, New York and Geneva: United Nations Conference on Trade and Development.
- Wang, K.-C., 2017. Food Savety and Contract Edamame : The Geopolitics of the Vegetable Trade in East Asia. *Geographical Review*, May, pp. 1-22.
- Winarno, F., 1984. *Kimia Pangan dan Gizi*. Jakarta: PT Gramedia.
- Wu, Q., Wang, M., Sciarappa, W. J. & Simon, J. E., 2004. LC/UV/ESI-MS Analysis of Isoflavones in Edamame and Tofu Soybeans. *Journal of Agricultural and Food Chemistry*, 52(American Chemical Society).
- Xu, Y. et al., 2016. Physical and Nutritional Properties of Edamame Seeds as Influenced by Stage of Development. *Food Measure 10*, pp. 193-200.
- Xu, Y. et al., 2012. Textural and Microbiological Qualities of Vegetable Soybean (Edamame) Affected by Blanching and Storage Condition. *Food Processing and Technology*, III(6).
- Yilmaz, C. & Gokmen, V., 2016. Chlorophyll. In: *Encyclopedia of Food and Health, Vol II*. Oxford: Academic Press, pp. 37-41.
- Young, G., Mebrahtu, T. & Johnson, J., 2000. Acceptability of Green Soybean as Vegetable Entity. *Plant Food for Human Nutrition 55*, pp. 323-333.
- Zeipina, S., Alsina, I. & Lepse, L., 2017. Insight in Edamame Yield and Quality Parameters : A Review. *Research for rural Development*, Volume II, pp. 40-45.
- Zhang, M. et al., 2017. Recent Development in High-quality Drying of Vegetables, Fruits, and Aquatic Products. *Critical Reviews in Food Science and Nutrition 57*(6), pp. 1239-1255.
- Zhang, R. & Long, j., 2017. Study in Drying Uniformity od Static Small-sized Drying Box for Fruit and Vegetables. *Procedia Engineering 205*, pp. 2615-2622.
- Zid, M. B. et al., 2015. Efeect of Blanching on Flavonones and Microstructure of Citrus aurantium Peels. *Food Bioprocess Technology*, Issue 8, pp. 2246-2255.