DAFTAR PUSTAKA

Afoakwa, E. O. (2010). Chocolate Science and Technology. In *Science and Technology of Enrobed and Filled Chocolate, Confectionery and Bakery Products*. Wiley. https://doi.org/10.1002/9781444319880

Afoakwa, E. O. (2016). *Chocolate Science and Technology*. John Wiley & Sons, Ltd. https://doi.org/10.1002/9781118913758

Afoakwa, E. O., Paterson, A., dan Fowler, M. (2007). Factors influencing rheological and textural qualities in chocolate – a review. *Trends in Food Science & Technology*, *18*(6), 290–298. https://doi.org/10.1016/j.tifs.2007.02.002

Afoakwa, E. O., Paterson, A., dan Fowler, M. (2008). Effects of particle size distribution and composition on rheological properties of dark chocolate. *European Food Research and Technology*, *226*(6), 1259–1268. https://doi.org/10.1007/s00217-007-0652-6

Almy, R. D., dan Tontowi, A. E. (2018). The Effect Of 3d Printing Machine Parameters In Extrusion Process Of Biocomposite Materials (Pmma And Ha) On Dimensional Accuracy. *SINERGI*, *22*(2), 83. https://doi.org/10.22441/sinergi.2018.2.003

Altuntas, S., Özsoy, E. B., dan Mor, Şi. (2019). Innovative new product development: A case study. *Procedia Computer Science*, *158*, 214–221. https://doi.org/10.1016/j.procs.2019.09.044

Beckett, S. (2008). *Industrial Chocolate Manufacture and Use* (S. T. Beckett (ed.)). Wiley-Blackwell. https://doi.org/10.1002/9781444301588

Cohen, D., Lipton, J., Cutler, M., Coulter, D., Vesco, A., dan Lipson, H. (2009). Hydrocolloid Printing: A Novel Platform for Customized Food Production. *20th Annual International Solid Freeform Fabrication Symposium, SFF 2009*, 807–817. https://www.researchgate.net/publication/266090178_Hydrocolloid_Printing_A_Novel_Platform_for_Customized_Food_Production

Cousineau, D., dan Engmann, S. (2011). Comparing Distributions : The Two-Sample Anderson – Darling Test as an Alternative to the Kolmogorov – Smirnov test. *Journal of Applied Quantitative Methods*, *6*(3), 1–17. https://www.researchgate.net/profile/Denis-Cousineau/publication/276918573_Comparing_distributions_the_two-sample_Anderson-Darling_test_as_an_alternative_to_the_Kolmogorov-Smirnov_test/links/555b5ffd08ae8f66f3ad715b/Comparing-distributions-the-two-sample-

Delbaere, C., Van de Walle, D., Depypere, F., Gellynck, X., dan Dewettinck, K. (2016). Relationship between chocolate microstructure, oil migration, and fat bloom in filled chocolates. *European Journal of Lipid Science and Technology*, *118*(12), 1800–1826. https://doi.org/10.1002/ejlt.201600164

Derossi, A., Caporizzi, R., Azzollini, D., dan Severini, C. (2018). Application of 3D printing for customized food. A case on the development of a fruit-based

snack for children. *Journal of Food Engineering*, *220*, 65–75. https://doi.org/10.1016/j.jfoodeng.2017.05.015

Do, T.-A. L., Hargreaves, J. M., Wolf, B., Hort, J., dan Mitchell, J. R. (2007). Impact of Particle Size Distribution on Rheological and Textural Properties of Chocolate Models with Reduced Fat Content. *Journal of Food Science*, *72*(9), E541–E552. https://doi.org/10.1111/j.1750-3841.2007.00572.x

Fallo, J. O., Setiawan, A., dan Susanto, B. (2013). Uji Normalitas Berdasarkan Metode Andersondarling , Cramer-. *Proseeding SemNas Matematika dan Pendidikan Matematika*, *November 2013*.

Godoi, F. C., Bhandari, B. R., Prakash, S., dan Zhang, M. (2019). Fundamentals of 3D Food Printing and Applications. In *Fundamentals of 3D Food Printing and Applications* (hal. 1–18). Elsevier. https://doi.org/10.1016/C2017-0-01591-4

Hamilton, C. A., Alici, G., dan in het Panhuis, M. (2018). 3D printing Vegemite and Marmite: Redefining "breadboards." *Journal of Food Engineering*, *220*, 83–88. https://doi.org/10.1016/j.jfoodeng.2017.01.008

Hao, L., Li, Y., Gong, P., dan Xiong, W. (2019). Material, process and business development for 3D chocolate printing. In *Fundamentals of 3D Food Printing and Applications*. Elsevier Inc. https://doi.org/10.1016/B978-0-12-814564-7.00008-0

Hao, L., Mellor, S., Seaman, O., Henderson, J., Sewell, N., dan Sloan, M. (2010). Material characterisation and process development for chocolate additive layer manufacturing. *Virtual and Physical Prototyping*, *5*(2), 57–64. https://doi.org/10.1080/17452751003753212

He, Y., Yang, F., Zhao, H., Gao, Q., Xia, B., dan Fu, J. (2016). Research on the printability of hydrogels in 3D bioprinting. *Scientific reports*, *6*(1), 29977. https://doi.org/10.1038/srep29977

Herda Agus Pamasaria *, Herianto, T. H. S. (2019). Pengaruh Parameter Proses 3D Printing Tipe Fdm (Fused Deposition Modeling) Terhadap Kualitas Hasil Produk. *Seminar Nasional IENACO*, 1–7.

Holland, S., Foster, T., MacNaughtan, W., dan Tuck, C. (2018). Design and characterisation of food grade powders and inks for microstructure control using 3D printing. *Journal of Food Engineering*, *220*, 12–19. https://doi.org/10.1016/j.jfoodeng.2017.06.008

Hussain, S., Malakar, S., dan Arora, V. K. (2021). Extrusion-Based 3D Food Printing: Technological Approaches, Material Characteristics, Printing Stability, and Post-processing. *Food Engineering Reviews*, *0123456789*. https://doi.org/10.1007/s12393-021-09293-w

Ismianti, dan Herianto. (2020). Adoption of 3D Printing in Indonesia and Prediction of Its Application in 2025. *IOP Conference Series: Materials Science and Engineering*, *722*(1). https://doi.org/10.1088/1757-899X/722/1/012028

Karyappa, R., dan Hashimoto, M. (2019). Chocolate-based Ink Three-dimensional Printing (Ci3DP). *Scientific Reports*, *9*(1), 1–11. https://doi.org/10.1038/s41598-019-50583-5

Lanaro, M., Desselle, M. R., dan Woodruff, M. A. (2019). 3D Printing Chocolate. In *Fundamentals of 3D Food Printing and Applications* (Nomor October, hal. 151–173). Elsevier. https://doi.org/10.1016/B978-0-12-814564-7.00006-7

Lanaro, M., Forrestal, D. P., Scheurer, S., Slinger, D. J., Liao, S., Powell, S. K., dan Woodruff, M. A. (2017). 3D printing complex chocolate objects: Platform design, optimization and evaluation. *Journal of Food Engineering*, *215*, 13–22. https://doi.org/10.1016/j.jfoodeng.2017.06.029

Larsson, K., Cyvin, S. J., Rymo, L., Bowie, J. H., Williams, D. H., Bunnenberg, E., Djerassi, C., dan Records, R. (1966). Classification of Glyceride Crystal Forms. *Acta Chemica Scandinavica*, *20*, 2255–2260. https://doi.org/10.3891/acta.chem.scand.20-2255

Le Tohic, C., O'Sullivan, J. J., Drapala, K. P., Chartrin, V., Chan, T., Morrison, A. P., Kerry, J. P., dan Kelly, A. L. (2018). Effect of 3D printing on the structure and textural properties of processed cheese. *Journal of Food Engineering*, *220*, 56–64. https://doi.org/10.1016/j.jfoodeng.2017.02.003

Lipson, H., dan Kurman, M. (2013). *Fabricated: The New World of 3D Printing*. wiley.

Lipton, J., Arnold, D., Nigl, F., Lopez, N., Cohen, D., Norén, N., dan Lipson, H. (2010). Mutli-material food printing with complex internal structure suitable for conventional post-processing. *21st Annual International Solid Freeform Fabrication Symposium - An Additive Manufacturing Conference, SFF 2010*, *March*, 809–815.

Liu, L., dan Ciftci, O. N. (2021). Effects of high oil compositions and printing parameters on food paste properties and printability in a 3D printing food processing model. *Journal of Food Engineering*, *288*(December 2019), 110135. https://doi.org/10.1016/j.jfoodeng.2020.110135

Liu, L., Yang, X., Bhandari, B., Meng, Y., dan Prakash, S. (2020). Optimization of the formulation and properties of 3D-printed complex egg white protein objects. *Foods*, *9*(2). https://doi.org/10.3390/foods9020164

Mantihal, S., Prakash, S., Godoi, F. C., dan Bhandari, B. (2017). Optimization of chocolate 3D printing by correlating thermal and flow properties with 3D structure modeling. *Innovative Food Science and Emerging Technologies*, *44*(December 2016), 21–29. https://doi.org/10.1016/j.ifset.2017.09.012

Mantihal, S., Prakash, S., Godoi, F. C., dan Bhandari, B. (2019). Effect of additives on thermal, rheological and tribological properties of 3D printed dark chocolate. *Food Research International*, *119*(October 2018), 161–169. https://doi.org/10.1016/j.foodres.2019.01.056

Martínez-Monzó, J., Cárdenas, J., dan García-Segovia, P. (2019). Effect of Temperature on 3D Printing of Commercial Potato Puree. *Food Biophysics*, *14*(3), 225–234. https://doi.org/10.1007/s11483-019-09576-0

Montgomery, D. C. (2009). Introduction to Statistical Quality Control, Sixth Edition. In *John Wiley & Sons, Inc.* (6 ed.).

Montgomery, D. C. (2012). *Design and Analysis of Experiments, 8th Edition* (8 ed.). John Wiley & Sons, Incorporated, 2012.

Montgomery, D. C., dan Runger, G. C. (1994). Applied Statistics and Probability for Engineers. *European Journal of Engineering Education*, *19*(3), 383–383. https://doi.org/10.1080/03043799408928333

Nachal, N., Moses, J. A., Karthik, P., dan Anandharamakrishnan, C. (2019). *Applications of 3D Printing in Food Processing*. *May 2018*, 123–141.

Nduru, R. E., Situmorang, M., dan Tarigan, G. (2014). Analisa Faktor-Faktor Yang Mempengaruhi Hasil Produksi Padi Di Deli Serdang. *Saintia Matematika*, *2*(1), 71–83.

Periard, D., Schaal, N., Schaal, M., Malone, E., dan Lipson, H. (2007). Printing Food. *2007 International Solid Freeform Fabrication Symposium*, *138*(47), 30–36. https://doi.org/10.26153/tsw/7242

Pitayachaval, P., Sanklong, N., dan Thongrak, A. (2018). A Review of 3D Food Printing Technology. *MATEC Web of Conferences*, *213*, 1–5. https://doi.org/10.1051/matecconf/201821301012

Piyush, Kumar, R., dan Kumar, R. (2019). 3D printing of food materials: A state of art review and future applications. *Materials Today: Proceedings*, *33*(xxxx), 1463–1467. https://doi.org/10.1016/j.matpr.2020.02.005

Pratama, A. Y., dan Herianto. (2020). *Evaluasi Kualitas dalam Pengembangan Produk Cokelat 3D Printing*. (Tesis Magister, DTMI-FT Universitas Gadjah Mada, 2020).

Rando, P., dan Ramaioli, M. (2021). Food 3D printing: Effect of heat transfer on print stability of chocolate. *Journal of Food Engineering*, *294*(December 2020), 110415. https://doi.org/10.1016/j.jfoodeng.2020.110415

Redwood, B., Schöffer, F., dan Garret, B. (2017). *The 3D Printing Handbook: Technologies, design and applications*. 3D Hubs B.V.

Santoso, B. H., dan Herianto. (2020). *Rancang Bangun Mesin 3d Printing Cokelat Dengan Teknologi Sekrup Injeksi Berbasis Fused Deposition Modeling (FDM) Dan Uji Pengaruh Temperatur Pada Optimalisasi Hasil Ekstrusi*. (Skripsi Sarjana, DTMI-FT Universitas Gadjah Mada, 2020).

Satsangi, R., Singh, H., Satsangee, G. R., Agrawal, S., dan Sharma, S. (2018). The concept of Viscous Material (Chocolate) 3D Printer / Food 3D Printer. *International Research Journal of Engineering and Technology*, 2146.

Serenó, L., Vallicrosa, G., Delgado, J., dan Ciurana, J. (2012). *A new application for food customization with additive manufacturing technologies*. 825–833. https://doi.org/10.1063/1.4707640

Serizawa, R., Shitara, M., Gong, J., Makino, M., Kabir, M. H., dan Furukawa, H. (2014). *3D jet printer of edible gels for food creation* (N. C. Goulbourne & H. E. Naguib (ed.); hal. 90580A). https://doi.org/10.1117/12.2045082

Sun, J., Peng, Z., Zhou, W., Fuh, J. Y. H., Hong, G. S., dan Chiu, A. (2015). A Review on 3D Printing for Customized Food Fabrication. *Procedia Manufacturing*, *1*, 308–319. https://doi.org/10.1016/j.promfg.2015.09.057

Sylvester, M., Bhandari, B., dan Prakash, S. (2020). 3D food printing as a promising tool for food fabrication: 3D printing of chocolate. *Food Research*, *4*, 42–53. https://doi.org/10.26656/fr.2017.4(S6).054

Thyssenkrupp. (2019). *Additive Manufacturing: Adding Up Growth Oppurtunitirs for ASEAN*. Thyssenkrupp.

Van Malssen, K., Van Langevelde, A., Peschar, R., dan Schenk, H. (1999). Phase behavior and extended phase scheme of static cocoa butter investigated with real-time X-ray powder diffraction. *JAOCS, Journal of the American Oil Chemists' Society*, *76*(6), 669–676. https://doi.org/10.1007/s11746-999-0158-4

Wille, R. L., dan Lutton, E. S. (1966). Polymorphism of cocoa butter. *Journal of the American Oil Chemists' Society*, *43*(8), 491–496. https://doi.org/10.1007/BF02641273

Zhao, H., Wang, J., Ren, X., Li, J., Yang, Y.-L., dan Jin, X. (2018). Personalized food printing for portrait images. *Computers & Graphics*, *70*, 188–197. https://doi.org/10.1016/j.cag.2017.07.012