

## DAFTAR PUSTAKA

- Abdelmalek, Baha Eddine, Joaquín Gómez-Estaca, Assaâd Sila, Oscar Martinez-Alvarez, M. Carmen Gómez-Guillén, Semia Chaabouni-Ellouz, Mohamed Ali Ayadi, and Ali Bougatef. 2016. "Characteristics and Functional Properties of Gelatin Extracted from Squid (*Loligo Vulgaris*) Skin." *LWT - Food Science and Technology* 65 (January):924–31. <https://doi.org/10.1016/j.lwt.2015.09.024>.
- Abdul Rahman, Mohd Nazri. 2012. "Extractions, Physicochemical Characterizations and Sensory Quality of Chicken Feet Gelatin." *Borneo Science* 30 (March):1–13.
- Abedinia, Ahmadreza, Abdorreza Mohammadi Nafchi, Mohammad Sharifi, Pantea Ghalambor, Nazila Oladzadabbasabadi, Fazilah Ariffin, and Nurul Huda. 2020. "Poultry Gelatin: Characteristics, Developments, Challenges, and Future Outlooks as a Sustainable Alternative for Mammalian Gelatin." *Trends in Food Science & Technology* 104 (October):14–26. <https://doi.org/10.1016/j.tifs.2020.08.001>.
- Agus, Ryan Masanto, Ali. 2010. *Beternak Kelinci Potong*. PT Niaga Swadaya.
- Aidat, Omaina, Louiza Belkacemi, Mahmoud Belalia, Mohamad khairi Zainol, and Humam Shaaban Barhoum. 2023. "Physicochemical, Rheological, and Textural Properties of Gelatin Extracted from Chicken by-Products (Feet-Heads) Blend and Application." *International Journal of Gastronomy and Food Science* 32 (June):100708. <https://doi.org/10.1016/j.ijgfs.2023.100708>.
- Al-Hassan, A. A., A. M. Abdel-Salam, F. Al Nasiri, H. M. Mousa, and Abdorreza Mohammadi Nafchi. 2021. "Extraction and Characterization of Gelatin Developed from Camel Bones." *Journal of Food Measurement and Characterization* 15 (5): 4542–51. <https://doi.org/10.1007/s11694-021-01029-y>.
- Alipal, J., N. A. S. Mohd Pu'ad, T. C. Lee, N. H. M Nayan, N. Sahari, H. Basri, M. I. Idris, and H. Z. Abdullah. 2021. "A Review of Gelatin: Properties, Sources, Process, Applications, and Commercialisation." *Materials Today: Proceedings*, International Conference of Chemical Engineering & Industrial Biotechnology, 42 (January):240–50. <https://doi.org/10.1016/j.matpr.2020.12.922>.
- Almeida, Poliana, Suzana Lannes, Felipe Calarge, T.M.B. Farias, and José Santana. 2012. "FTIR Characterization of Gelatin from Chicken Feet." *J. Chem. Chem. Eng.* 6 (January):1029–32.
- An, Bo, Vittorio Abbonante, Sezin Yigit, Alessandra Balduini, David L. Kaplan, and Barbara Brodsky. 2014. "Definition of the Native and Denatured Type II Collagen Binding Site for Fibronectin Using a Recombinant Collagen System \*." *Journal of Biological Chemistry* 289 (8): 4941–51. <https://doi.org/10.1074/jbc.M113.530808>.
- Ann, Kho Chin, Thomas Indarto Putut Suseno, and Adrianus Rulianto Utomo. 2017. "Pengaruh Perbedaan Konsentrasi Ekstrak Bit Merah Dan Gelatin Terhadap Sifat Fisikokimia Dan Organoleptik Marshmallow Beet." *Jurnal Teknologi Pangan dan Gizi (Journal of Food Technology and Nutrition)* 11 (2): 27–35. <https://doi.org/10.33508/jtpg.v11i2.1472>.
- AOAC. 2012. *Official Methods of Analysis of AOAC International*. AOAC International.
- Arnesen, Jan Arne, and Asbjørn Gildberg. 2007. "Extraction and Characterisation of Gelatine from Atlantic Salmon (*Salmo Salar*) Skin." *Bioresource Technology* 98 (1): 53–57. <https://doi.org/10.1016/j.biortech.2005.11.021>.
- Aykın-Dinçer, E, A. Koç, and M. Erbaş. 2017. "Extraction and Physicochemical Characterization of Broiler (*Gallus Gallus Domesticus*) Skin Gelatin Compared to Commercial Bovine Gelatin." *Poultry Science* 96 (11): 4124–31. <https://doi.org/10.3382/ps/pex237>.



- Ayudiarti, Diah Lestari, Suryanti, and Devi Ambarwaty Oktavia. 2020. "The Effect of Different Types and Gelatin Concentrations on Ice Cream Quality." *E3S Web of Conferences* 147:03026. <https://doi.org/10.1051/e3sconf/202014703026>.
- Aziza, Izmy, Yudhomenggolo Darmanto, and Retno Kurniasih. 2019. "The Effect of Gelatin from Different Fish Skin on Physical and Sensory Characteristics of Marshmallow." *Jurnal Perikanan Universitas Gadjah Mada* 21 (August):17. <https://doi.org/10.22146/jfs.42739>.
- Badan Standardisasi Nasional. 2008. "SNI Marshmallow." 2008. <http://lib.kemenperin.go.id/neo/detail.php?id=220978>.
- Badan Standarisasi Nasional. 1995. "SNI Gelatin." 1995. <http://lib.kemenperin.go.id/neo/detail.php?id=225878>.
- Badran, Karam, Curt Waki, Ashley Hamamoto, Ryan Manz, and Brian Wong. 2014. "The Rabbit Costal Cartilage Reconstructive Surgical Model." *Facial Plastic Surgery : FPS* 30 (February):76–80. <https://doi.org/10.1055/s-0033-1363754>.
- Balti, Rafik, Mourad Jridi, Assaad Sila, Nabil Souissi, Naima Nedjar-Arroume, Didier Guillochon, and Moncef Nasri. 2011. "Extraction and Functional Properties of Gelatin from the Skin of Cuttlefish (*Sepia Officinalis*) Using Smooth Hound Crude Acid Protease-Aided Process." *Food Hydrocolloids* 25 (5): 943–50. <https://doi.org/10.1016/j.foodhyd.2010.09.005>.
- Belbachir, Karima, Razia Noreen, Gilles Gousspillou, and Cyril Petibois. 2009. "Collagen Types Analysis and Differentiation by FTIR Spectroscopy." *Analytical and Bioanalytical Chemistry* 395 (3): 829–37. <https://doi.org/10.1007/s00216-009-3019-y>.
- Brahmantiyo, Bram, Yono Raharjo, and L. Prasetyo. 2018. "Production Performance of HyCole, New Zealand White Rabbits and Its Reciprocal." *Jurnal Ilmu Ternak Dan Veteriner* 22 (March):16. <https://doi.org/10.14334/jitv.v22i1.1590>.
- Burey, P., B.r. Bhandari, R.p.g. Rutgers, P.j. Halley, and P.j. Torley. 2009. "Confectionery Gels: A Review on Formulation, Rheological and Structural Aspects." *International Journal of Food Properties* 12 (1): 176–210. <https://doi.org/10.1080/10942910802223404>.
- Cao, Songmin, Yi Wang, Lujuan Xing, Wangang Zhang, and Guanghong Zhou. 2020. "Structure and Physical Properties of Gelatin from Bovine Bone Collagen Influenced by Acid Pretreatment and Pepsin." *Food and Bioproducts Processing* 121 (May):213–23. <https://doi.org/10.1016/j.fbp.2020.03.001>.
- Çelekli, Abuzer, and Serdar Maraşlı. 2024. "Effect of *Arthrospira Platensis* on Physicochemical, Texture, and Microstructure Properties of Low-Density Marshmallows." *Food and Humanity* 2 (May):100196. <https://doi.org/10.1016/j.foohum.2023.12.004>.
- Chen, Shulin, Lanlan Tang, Gengxin Hao, Wuyin Weng, Kazufumi Osako, and Munehiko Tanaka. 2016. "Effects of A1/A2 Ratios and Drying Temperatures on the Properties of Gelatin Films Prepared from Tilapia (*Tilapia Zillii*) Skins." *Food Hydrocolloids* 52 (January):573–80. <https://doi.org/10.1016/j.foodhyd.2015.07.026>.
- Cho, S. M, K. S Kwak, D. C Park, Y. S Gu, C. I Ji, D. H Jang, Y. B Lee, and S. B Kim. 2004. "Processing Optimization and Functional Properties of Gelatin from Shark (*Isurus Oxyrinchus*) Cartilage." *Food Hydrocolloids* 18 (4): 573–79. <https://doi.org/10.1016/j.foodhyd.2003.10.001>.
- Corradini, Maria G., and Micha Peleg. 2008. "Solid Food Foams." In *Food Materials Science: Principles and Practice*, edited by José Miguel Aguilera and Peter J. Lillford, 169–202. New York, NY: Springer. [https://doi.org/10.1007/978-0-387-71947-4\\_10](https://doi.org/10.1007/978-0-387-71947-4_10).
- Coutts, Richard D., Savio L. -Y. Woo, David Amiel, Herbert P. Von Schroeder, and Michael K. Kwan. 1992. "Rib Periochondrial Autografts in Full-Thickness Articular Cartilage



- Defects in Rabbits.” *Clinical Orthopaedics and Related Research*® 275 (February):263.
- Di Monaco, R., S. Cavella, and P. Masi. 2008. “Predicting Sensory Cohesiveness, Hardness and Springiness of Solid Foods from Instrumental Measurements.” *Journal of Texture Studies* 39 (2): 129–49. <https://doi.org/10.1111/j.1745-4603.2008.00134.x>.
- Direktorat Jenderal Peternakan dan Kesehatan Hewan. 2021. *Statistik Peternakan dan Kesehatan Hewan 2021*. Direktorat Jenderal Peternakan dan Kesehatan Hewan. <http://repository.pertanian.go.id/handle/123456789/15553>.
- Djabourov, Madeleine, Jean-Pierre Lechaire, and Françoise Gaill. 1993. “Structure and Rheology of Gelatin and Collagen Gels.” *Biorheology* 30 (3–4): 191–205. <https://doi.org/10.3233/BIR-1993-303-405>.
- Duconseille, Anne, Thierry Astruc, Naira Quintana, Filip Meersman, and Véronique Sante-Lhoutellier. 2015. “Gelatin Structure and Composition Linked to Hard Capsule Dissolution: A Review.” *Food Hydrocolloids* 43 (January):360–76. <https://doi.org/10.1016/j.foodhyd.2014.06.006>.
- Edi, Busono, and Dini Mardiani. 2015. *Mengenal Berbagai Jenis Kelinci Yang Populer Di Indonesia*. Koperasi Nukita.
- Ergun, R., R. Lietha, and R. W. Hartel. 2010. “Moisture and Shelf Life in Sugar Confections.” *Critical Reviews in Food Science and Nutrition* 50 (2): 162–92. <https://doi.org/10.1080/10408390802248833>.
- Fatimah, Siti, Sarto Sarto, Moh Fahrurrozi, and Budhijanto Budhijanto. 2023. “Characterization and Development of Gelatin from Cow Bones: Investigation of the Effect of Solvents Used for Soaking Beef Bones.” *Applied Sciences* 13 (3): 1550. <https://doi.org/10.3390/app13031550>.
- Ferreira, Ana Marina, Piergiorgio Gentile, Valeria Chiono, and Gianluca Ciardelli. 2012. “Collagen for Bone Tissue Regeneration.” *Acta Biomaterialia* 8 (9): 3191–3200. <https://doi.org/10.1016/j.actbio.2012.06.014>.
- Figiel, Adam, and Agnieszka Tajner-Czopek. 2006. “The Effect of Candy Moisture Content on Texture.” *Journal of Foodservice* 17 (August):189–95. <https://doi.org/10.1111/j.1745-4506.2006.00037.x>.
- Fratzl, Peter. 2003. “Cellulose and Collagen: From Fibres to Tissues.” *Current Opinion in Colloid & Interface Science* 8 (1): 32–39. [https://doi.org/10.1016/S1359-0294\(03\)00011-6](https://doi.org/10.1016/S1359-0294(03)00011-6).
- Gelse, K. 2003. “Collagens—Structure, Function, and Biosynthesis.” *Advanced Drug Delivery Reviews* 55 (12): 1531–46. <https://doi.org/10.1016/j.addr.2003.08.002>.
- GMIA. 2019. “Gelatin Handbook.”
- Gómez-Guillén, M. C., B. Giménez, M. E. López-Caballero, and M. P. Montero. 2011. “Functional and Bioactive Properties of Collagen and Gelatin from Alternative Sources: A Review.” *Food Hydrocolloids*, 25 years of Advances in Food Hydrocolloid Research, 25 (8): 1813–27. <https://doi.org/10.1016/j.foodhyd.2011.02.007>.
- Gómez-Guillén, M. C, J Turnay, M. D Fernández-Díaz, N Ulmo, M. A Lizarbe, and P Montero. 2002. “Structural and Physical Properties of Gelatin Extracted from Different Marine Species: A Comparative Study.” *Food Hydrocolloids* 16 (1): 25–34. [https://doi.org/10.1016/S0268-005X\(01\)00035-2](https://doi.org/10.1016/S0268-005X(01)00035-2).
- Grumet, Robert C, Scott Hadley, Matthew V Diltz, Thay Q Lee, and Ranjan Gupta. 2009. “Development of a New Model for Rotator Cuff Pathology: The Rabbit Subscapularis Muscle.” *Acta Orthopaedica* 80 (1): 97–103. <https://doi.org/10.1080/17453670902807425>.



- Gudmundsson, Magnús, and Hannes Hafsteinsson. 1997. "Gelatin from Cod Skins as Affected by Chemical Treatments." *Journal of Food Science* 62 (1): 37–39. <https://doi.org/10.1111/j.1365-2621.1997.tb04363.x>.
- Gunes, Recep, Ibrahim Palabiyik, Nevzat Konar, and Omer Said Toker. 2022. "Soft Confectionery Products: Quality Parameters, Interactions with Processing and Ingredients." *Food Chemistry* 385 (August):132735. <https://doi.org/10.1016/j.foodchem.2022.132735>.
- Gustavson, Karl Helmer. 1956. "The Chemistry and Reactivity of Collagen." (*No Title*). <https://cir.nii.ac.jp/crid/1130000798244381952>.
- Hamann, Daniele, Bruna Maria Saorin Puton, Thais Comin, Rosicler Colet, Eunice Valduga, Jamile Zeni, Juliana Steffens, Alexander Junges, Geciane Toniazzi Backes, and Rogério Luis Cansian. 2022. "Active Edible Films Based on Green Tea Extract and Gelatin for Coating of Fresh Sausage." *Meat Science* 194 (December):108966. <https://doi.org/10.1016/j.meatsci.2022.108966>.
- Hamann, Donald D., Junhua Zhang, Christopher R. Daubert, E. Allen Foegeding, and Kenneth C. Diehl Jr. 2006. "Analysis of Compression, Tension and Torsion for Testing Food Gel Fracture Properties\*." *Journal of Texture Studies* 37 (6): 620–39. <https://doi.org/10.1111/j.1745-4603.2006.00074.x>.
- Hartel, Richard W., Joachim H. von Elbe, and Randy Hofberger. 2018. *Confectionery Science and Technology*. Springer International Publishing.
- Hattrem, Magnus N., Silje Molnes, Ingvild J. Haug, and Kurt I. Draget. 2015. "Interfacial and Rheological Properties of Gelatin Based Solid Emulsions Prepared with Acid or Alkali Pretreated Gelatins." *Food Hydrocolloids* 43 (January):700–707. <https://doi.org/10.1016/j.foodhyd.2014.07.026>.
- Haug, Ingvild J., Kurt I. Draget, and Olav Smidsrød. 2004. "Physical and Rheological Properties of Fish Gelatin Compared to Mammalian Gelatin." *Food Hydrocolloids* 18 (2): 203–13. [https://doi.org/10.1016/S0268-005X\(03\)00065-1](https://doi.org/10.1016/S0268-005X(03)00065-1).
- Hull, Peter. 2010. *Glucose Syrups: Technology and Applications*. John Wiley & Sons.
- İbanoğlu, Esra, and Şenol İbanoğlu. 1999. "Foaming Behaviour of EDTA-Treated  $\alpha$ -Lactalbumin." *Food Chemistry* 66 (4): 477–81. [https://doi.org/10.1016/S0308-8146\(99\)00083-7](https://doi.org/10.1016/S0308-8146(99)00083-7).
- Jafari, Hafez, Alberto Lista, Manuela Mafosso Siekapen, Pejman Ghaffari-Bohloul, Lei Nie, Houman Alimoradi, and Amin Shavandi. 2020. "Fish Collagen: Extraction, Characterization, and Applications for Biomaterials Engineering." *Polymers* 12 (10): 2230. <https://doi.org/10.3390/polym12102230>.
- Jakhar, Jitender, Devivaraprasad Reddy A, Sunita Maharia, Hanjabam Devi, G Vidya, Sagar Reddy, and Venkateshwarlu Gudipati. 2012. "Characterization of Fish Gelatin from Blackspotted Croaker (*Protonibea Diacanthus*)." *Archives of Applied Science Research* 4 (January):1353–58.
- Jelita, Jelita, Basuki Wirjosentono, Tamrin Tamrin, and Lamek Marpaung. 2018. "Characterization of Gelatin from Scapula (Os Scapula) from Aceh Cattle." *AIP Conference Proceedings* 2049 (1): 020072. <https://doi.org/10.1063/1.5082477>.
- Kaewruang, Phanngam, Soottawat Benjakul, Thummanoon Prodpran, and Sitthipong Nalinanon. 2013. "Physicochemical and Functional Properties of Gelatin from the Skin of Unicorn Leatherjacket (*Aluterus Monoceros*) as Affected by Extraction Conditions." *Food Bioscience* 2 (June):1–9. <https://doi.org/10.1016/j.fbio.2013.03.002>.
- Kanwate, Balaji Wamanrao, and Tanaji G. Kudre. 2017. "Effect of Various Acids on Physicochemical and Functional Characteristics of Gelatin from Swim Bladder of Rohu (*Labeo Rohita*)." *Journal of Food Science and Technology* 54 (8): 2540–50. <https://doi.org/10.1007/s13197-017-2699-0>.





- Kemp, William. 1975. *Organic Spectroscopy*. New York : Wiley.  
<http://archive.org/details/organicspectrosc0000kemp>.
- Koli, Jayappa M., Subrata Basu, Binay B. Nayak, Surendra B. Patange, Ashif U. Pagarkar, and Venkateshwarlu Gudipati. 2012. "Functional Characteristics of Gelatin Extracted from Skin and Bone of Tiger-Toothed Croaker (*Otolithes Ruber*) and Pink Perch (*Nemipterus Japonicus*)."  
*Food and Bioproducts Processing* 90 (3): 555–62.  
<https://doi.org/10.1016/j.fbp.2011.08.001>.
- Ktari, Naourez, Mourad Jridi, Rim Nasri, Imen Lassoued, Hanen Ben Ayed, Ahmed Barkia, and Moncef Nasri. 2014. "Characteristics and Functional Properties of Gelatin from Zebra Blenny (*Salaria Basilisca*) Skin." *LWT - Food Science and Technology* 58 (2): 602–8. <https://doi.org/10.1016/j.lwt.2014.03.036>.
- Kumar, Anuj, Sugandha Chahal, and Fathima Hussain. 2019. "Development of Biomimetic Electrospun Polymeric Biomaterials for Bone Tissue Engineering. A Review." *Journal of Biomaterials Science, Polymer Edition* 30 (June).  
<https://doi.org/10.1080/09205063.2019.1630699>.
- Lange, Jeroen W. L. van, Kirsten de Roo, Esther Middelkoop, Theo van den Bos, Vincent Everts, and Gilbert J. Nolst Trenité. 2001. "Perichondrium-Wrapped Collagenous Matrices to Induce Chondroneogenesis." *Archives of Facial Plastic Surgery* 3 (2): 122–26. <https://doi.org/10.1001/archfaci.3.2.122>.
- Li, Xue, Zhifei He, Jingbing Xu, Ling Zhang, Yexing Liang, Shixiong Yang, Zefu Wang, Dong Zhang, Feihu Gao, and Hongjun Li. 2021. "Effect of Nanoprocessing on the Physicochemical Properties of Bovine, Porcine, Chicken, and Rabbit Bone Powders." *Food Science & Nutrition* 9 (May). <https://doi.org/10.1002/fsn3.2312>.
- Lieberman, Daniel E., John D. Polk, and Brigitte Demes. 2004. "Predicting Long Bone Loading from Cross-Sectional Geometry." *American Journal of Physical Anthropology* 123 (2): 156–71. <https://doi.org/10.1002/ajpa.10316>.
- Lin, Che-Yu, and Jiunn-Horng Kang. 2021. "Mechanical Properties of Compact Bone Defined by the Stress-Strain Curve Measured Using Uniaxial Tensile Test: A Concise Review and Practical Guide." *Materials* 14 (15): 4224. <https://doi.org/10.3390/ma14154224>.
- Lin, Chun Chen, Tze Kuei Chiou, and Wen Chieh Sung. 2015. "Characteristics of Gelatin from Giant Grouper (*Epinephelus Lanceolatus*) Skin." *International Journal of Food Properties* 18 (11): 2339–48. <https://doi.org/10.1080/10942912.2014.980947>.
- Lin, Junjie, Ying Wang, Daodong Pan, Yangying Sun, Changrong Ou, and Jinxuan Cao. 2018. "Physico-Mechanical Properties of Gelatin Films Modified with Lysine, Arginine and Histidine." *International Journal of Biological Macromolecules* 108 (March): 947–52. <https://doi.org/10.1016/j.ijbiomac.2017.11.015>.
- Lin, Lin, Joe M. Regenstein, Shun Lv, Jianfeng Lu, and Shaotong Jiang. 2017. "An Overview of Gelatin Derived from Aquatic Animals: Properties and Modification." *Trends in Food Science & Technology* 68 (October): 102–12. <https://doi.org/10.1016/j.tifs.2017.08.012>.
- Liu, Fengzhen, Kun Chen, Lei Hou, Keyi Li, Dawei Wang, Bin Zhang, and Xiumei Wang. 2016. "Determining the Critical Size of a Rabbit Rib Segmental Bone Defect Model." *Regenerative Biomaterials* 3 (5): 323–28. <https://doi.org/10.1093/rb/rbw028>.
- Liu, Tingwei, Hongjie Dai, Liang Ma, Yong Yu, Mi Tang, Yuan Li, Weijie Hu, Xin Feng, and Yuhao Zhang. 2019. "Structure of Hyla Rabbit Skin Gelatin as Affected by Microwave-Assisted Extraction." *International Journal of Food Properties* 22 (1): 1594–1607. <https://doi.org/10.1080/10942912.2019.1663871>.
- Lorient, Denis, Brigitte Closs, and Jean Luc Courthaudon. 1989. "Surface Properties of the Bovine Casein Components: Relationships between Structure and Foaming



- Properties.” *Journal of Dairy Research* 56 (3): 495–502. <https://doi.org/10.1017/S0022029900028983>.
- Lueyot, Artima, Vilai Rungsardthong, Savitri Vatanyoopaisarn, Pokkwan Hutangura, Benjamaporn Wonganu, Pisit Wongsang-Ngasri, Sawanya Charoenlappanit, Sittiruk Roytrakul, and Benjawan Thumthanaruk. 2021. “Influence of Collagen and Some Proteins on Gel Properties of Jellyfish Gelatin.” *PLOS ONE* 16 (6): e0253254. <https://doi.org/10.1371/journal.pone.0253254>.
- Lv, Lin-Chen, Qing-Yun Huang, Wen Ding, Xing-Hua Xiao, Hong-Yan Zhang, and Li-Xia Xiong. 2019. “Fish Gelatin: The Novel Potential Applications.” *Journal of Functional Foods* 63 (December):103581. <https://doi.org/10.1016/j.jff.2019.103581>.
- Madkhali, Osama, George Mekhail, and Shawn D. Wettig. 2019. “Modified Gelatin Nanoparticles for Gene Delivery.” *International Journal of Pharmaceutics* 554 (January):224–34. <https://doi.org/10.1016/j.ijpharm.2018.11.001>.
- Mahmoodani, F., V. Sanaei Ardekani, S. F. See, S. M. Yusop, and A. S. Babji. 2014. “Optimization and Physical Properties of Gelatin Extracted from Pangasius Catfish (Pangasius Sutchi) Bone.” *Journal of Food Science and Technology* 51 (11): 3104–13. <https://doi.org/10.1007/s13197-012-0816-7>.
- Maki, Yasuyuki, and Masahiko Annaka. 2020. “Gelation of Fish Gelatin Studied by Multi-Particle Tracking Method.” *Food Hydrocolloids* 101 (April):105525. <https://doi.org/10.1016/j.foodhyd.2019.105525>.
- Mardani, Marieh, Mahmut Kilicli, Omer Said Toker, Samira Yeganehzad, Razieh Niazmand, Ibrahim Palabiyik, and Nevzat Konar. 2022. “Investigation of Process Parameters and Albumin Concentration as Foaming Agent on Quality of Marshmallow Dough: Production Simulation with Rheometer.” *Rheologica Acta* 61 (4): 339–51. <https://doi.org/10.1007/s00397-022-01332-5>.
- Mardani, Marieh, Samira Yeganehzad, Nataliia Ptichkina, Yury Kodatsky, Oksana Kliukina, Nataliia Nepovinnikh, and Sara Naji-Tabasi. 2019. “Study on Foaming, Rheological and Thermal Properties of Gelatin-Free Marshmallow.” *Food Hydrocolloids* 93 (August):335–41. <https://doi.org/10.1016/j.foodhyd.2019.02.033>.
- Marimon-Valverde, Sara, Sebastián Lainez-Ramirez, José-Uriel Sepúlveda-Valencia, Alejandro Mejia-Villota, and Eduardo Rodriguez-Sandoval. 2024. “Quality Characteristics of Low-Fat Ice Cream Mixtures as Affected by Modified Cassava Starch and Hydrocolloids.” *International Journal of Food Properties* 27 (1): 123–32. <https://doi.org/10.1080/10942912.2023.2293462>.
- Mat Amin, Amiza, W.M. Shima, Ibrahim Nor Hayati, and Nizaha Juhaida Mohamad. 2015. “Optimization of Gelatin Extraction Conditions from Cobia (Rachycentron Canadum) Skin and Its Physicochemical Characteristics as Compared to Bovine Gelatin.” *International Food Research Journal* 22 (January):213–24.
- Matulessy, Dellen Naomi, Yuny Erwanto, Nurliyani Nurliyani, Edi Suryanto, Mohammad Zainal Abidin, and Thoyib Rohman Hakim. 2021. “Characterization and Functional Properties of Gelatin from Goat Bone through Alcalase and Neutrase Enzymatic Extraction.” *Veterinary World* 14 (9): 2397–2409. <https://doi.org/10.14202/vetworld.2021.2397-2409>.
- Mhd Sarbon, Norizah, Farah Badii, and Nazlin K. Howell. 2013. “Preparation and Characterisation of Chicken Skin Gelatin as an Alternative to Mammalian Gelatin.” *Food Hydrocolloids* 30 (1): 143–51. <https://doi.org/10.1016/j.foodhyd.2012.05.009>.
- Mikhailov, Oleg V. 2023. “Gelatin as It Is: History and Modernity.” *International Journal of Molecular Sciences* 24 (4): 3583. <https://doi.org/10.3390/ijms24043583>.



- Miquelim, Joice N., Suzana C. S. Lannes, and Raffaele Mezzenga. 2010. "PH Influence on the Stability of Foams with Protein–Polysaccharide Complexes at Their Interfaces." *Food Hydrocolloids* 24 (4): 398–405. <https://doi.org/10.1016/j.foodhyd.2009.11.006>.
- Mulyani, Sri, F. Setyabudi, Yudi Pranoto, and Umar Santoso. 2017. "The Effect of Pretreatment Using Hydrochloric Acid on the Characteristics of Buffalo Hide Gelatin." *Journal of the Indonesian Tropical Animal Agriculture* 42 (February):14. <https://doi.org/10.14710/jitaa.42.1.14-22>.
- Muyonga, J. H., C. G. B. Cole, and K. G. Duodu. 2004a. "Characterisation of Acid Soluble Collagen from Skins of Young and Adult Nile Perch (*Lates Niloticus*)." *Food Chemistry* 85 (1): 81–89. <https://doi.org/10.1016/j.foodchem.2003.06.006>.
- Muyonga, J. H., C. G. B. Cole, and K. G. Duodu. 2004b. "Fourier Transform Infrared (FTIR) Spectroscopic Study of Acid Soluble Collagen and Gelatin from Skins and Bones of Young and Adult Nile Perch (*Lates Niloticus*)." *Food Chemistry* 86 (3): 325–32. <https://doi.org/10.1016/j.foodchem.2003.09.038>.
- Nagarajan, Muralidharan, Soottawat Benjakul, Thummanoon Prodpran, Ponusa Songtipya, and Hideki Kishimura. 2012. "Characteristics and Functional Properties of Gelatin from Splendid Squid (*Loligo Formosana*) Skin as Affected by Extraction Temperatures." *Food Hydrocolloids* 29 (2): 389–97. <https://doi.org/10.1016/j.foodhyd.2012.04.001>.
- Nikoo, Mehdi, Soottawat Benjakul, Mohanad Bashari, Masood Alekhorshied, Abdoulaye Idrissa Cissouma, Na Yang, and Xueming Xu. 2014. "Physicochemical Properties of Skin Gelatin from Farmed Amur Sturgeon (*Acipenser Schrenckii*) as Influenced by Acid Pretreatment." *Food Bioscience* 5 (March):19–26. <https://doi.org/10.1016/j.fbio.2013.10.004>.
- Nisa, Nida Fithrotun, Edy Kurnianto, and Sutopo Sutopo. 2022. "Karakterisasi Morfometrik dan Pendugaan Jarak Genetik Kelinci New Zealand, Rex dan Flemish Giant." *Jurnal Ilmu Ternak Universitas Padjadjaran* 22 (1): 22–29. <https://doi.org/10.24198/jit.v22i1.39310>.
- Normah, Normah, and I. Fahmi. 2015. "Physicochemical Characteristics of Gummy Added with Sutchi Catfish (*Pangasius Hypophthalmus*) Gelatin." *International Food Research Journal* 22 (January):1059–66.
- Normand, Valéry, Stéphane Muller, Jean-Claude Ravey, and Alan Parker. 2000. "Gelation Kinetics of Gelatin: A Master Curve and Network Modeling." *Macromolecules* 33 (3): 1063–71. <https://doi.org/10.1021/ma9909455>.
- Nurilmala, Mala, Heny Suryamarevita, Hanifah Husein Hizbullah, Agoes M. Jacob, and Yoshihiro Ochiai. 2022. "Fish Skin as a Biomaterial for Halal Collagen and Gelatin." *Saudi Journal of Biological Sciences* 29 (2): 1100–1110. <https://doi.org/10.1016/j.sjbs.2021.09.056>.
- Nurwantoro, Nurwantoro, Antonius Hintono, Anang Mohammad Legowo, Sri Mulyani, Tisqa Rizky Quna, and Sutaryo Sutaryo. 2022. "The Functional Properties of Rabbit Skin Gelatin Compared to Commercial Gelatin and Its Application in Jelly Candy." *Jurnal Ilmu Dan Teknologi Hasil Ternak (JITEK)* 17 (1): 1–9. <https://doi.org/10.21776/ub.jitek.2022.017.01.1>.
- Pekdogan Goztok, Serpil, Recep Gunes, Omer Said Toker, Ibrahim Palabiyik, and Nevzat Konar. 2022. "Investigation of the Use of Various Fruit Juice Concentrates Instead of Corn Syrup in Marshmallow Type Products: A Preliminary Study." *International Journal of Gastronomy and Food Science* 30 (December):100616. <https://doi.org/10.1016/j.ijgfs.2022.100616>.
- Periche, A., A. Heredia, I. Escriche, A. Andrés, and M.L. Castelló. 2015. "Potential Use of Isomaltulose to Produce Healthier Marshmallows." *LWT - Food Science and Technology* 62 (1): 605–12. <https://doi.org/10.1016/j.lwt.2014.12.024>.



- Periche, Angela, María Luisa Castelló, Ana Heredia, and Isabel Escriche. 2016. "Stevia Rebaudiana, Oligofructose and Isomaltulose as Sugar Replacers in Marshmallows: Stability and Antioxidant Properties." *Journal of Food Processing and Preservation* 40 (4): 724–32. <https://doi.org/10.1111/jfpp.12653>.
- Petracci, M., F. Soglia, G. Baldi, L. Balzani, S. Mudalal, and C. Cavani. 2018. "Technical Note: Estimation of Real Rabbit Meat Consumption in Italy." *World Rabbit Science* 26 (1): 91–96. <https://doi.org/10.4995/wrs.2018.7802>.
- Pranoto, Yudi, Chong Min Lee, and Hyun Jin Park. 2007. "Characterizations of Fish Gelatin Films Added with Gellan and  $\kappa$ -Carrageenan." *LWT - Food Science and Technology* 40 (5): 766–74. <https://doi.org/10.1016/j.lwt.2006.04.005>.
- Qiao, Congde, Xujie Wang, Jianlong Zhang, and Jinshui Yao. 2021. "Influence of Salts in the Hofmeister Series on the Physical Gelation Behavior of Gelatin in Aqueous Solutions." *Food Hydrocolloids* 110 (January): 106150. <https://doi.org/10.1016/j.foodhyd.2020.106150>.
- Rafieian, Fatemeh, Javad Keramat, and Mohammad Shahedi. 2015. "Physicochemical Properties of Gelatin Extracted from Chicken Deboner Residue." *LWT - Food Science and Technology* 64 (2): 1370–75. <https://doi.org/10.1016/j.lwt.2015.04.050>.
- Rahimah, Souvia, Anisa Fadhila, Elazmanawati Lembong, Nandi Sukri, and Tri Cahyanto. 2020. "Characteristics of Spanish Mackerel (*Scomberomorus Commerson*) Bone Gelatin for Ice Cream Stabilizer." *Indonesian Journal of Halal Research* 2 (1): 1–7. <https://doi.org/10.15575/ijhar.v2i1.7820>.
- Raja Nhari, Raja Mohd Hafidz, C Yaakob, Ismail A, and Noorfaizan A. 2011. "Chemical and Functional Properties of Bovine and Porcine Skin Gelatin." *International Food Research Journal* 18 (January): 787–91.
- Rogers, H. J., S. M. Weidmann, and A. Parkinson. 1952. "Studies on the Skeletal Tissues. 2. The Collagen Content of Bones from Rabbits, Oxen and Humans." *Biochemical Journal* 50 (4): 537–42.
- Saenmuang, Soraya, Suphatta Phothiset, and Chuleeporn Chumnanka. 2020. "Extraction and Characterization of Gelatin from Black-Bone Chicken by-Products." *Food Science and Biotechnology* 29 (4): 469–78. <https://doi.org/10.1007/s10068-019-00696-4>.
- Saha, Dipjyoti, and Suvendu Bhattacharya. 2010. "Hydrocolloids as Thickening and Gelling Agents in Food: A Critical Review." *Journal of Food Science and Technology* 47 (6): 587–97. <https://doi.org/10.1007/s13197-010-0162-6>.
- Said, Muhammad, Effendi Abustam, Abd Wahab, Sartini, and Amriana Hifizah. 2015. "Chemical Characteristics of Collagen Extract from Scapula of Bali Cattle (*Ovis Capra*) Produced Using Different Extractant." *Pakistan Journal of Nutrition* 14 (3): 174–79. <https://doi.org/10.3923/pjn.2015.174.179>.
- Santoso, Umar, Yudi Pranoto, Yessy Afriyanti, and Sri Mulyani. 2019. "The Physical and Chemical Properties of Marshmallow Made from Buffalo (Bubalus Bubalis) Hide Gelatin Compared to Commercial Gelatin," June, 2019. <https://doi.org/10.17728/jaft.5192>.
- Schrieber, Reinhard, and Herbert Gareis. 2007. *Gelatine Handbook: Theory and Industrial Practice*. John Wiley & Sons.
- Sha, Xiao-Mei, Zong-Cai Tu, Wei Liu, Hui Wang, Yan Shi, Tao Huang, and Ze-Zhou Man. 2014. "Effect of Ammonium Sulfate Fractional Precipitation on Gel Strength and Characteristics of Gelatin from Bighead Carp (*Hypophthalmichthys Nobilis*) Scale." *Food Hydrocolloids* 36 (May): 173–80. <https://doi.org/10.1016/j.foodhyd.2013.09.024>.
- Shahiri Tabarestani, H., Y. Maghsoudlou, A. Motamedzadegan, and A. R. Sadeghi Mahoonak. 2014. "Effect of Pretreatment Conditions on Physicochemical Properties of Rainbow





- Trout Skin Gelatin.” *Journal of Aquatic Food Product Technology* 23 (1): 14–24. <https://doi.org/10.1080/10498850.2012.690141>.
- Sharma, Urvashi, Loïc Carrique, Sandrine Vadon-Le Goff, Natacha Mariano, Rainier-Numa Georges, Frederic Delolme, Peppi Koivunen, et al. 2017. “Structural Basis of Homo- and Heterotrimerization of Collagen I.” *Nature Communications* 8 (1): 14671. <https://doi.org/10.1038/ncomms14671>.
- Siburian, Winni Zulkaidah, E. Rochima, Y. Andriani, Danar, and Praseptiangga. 2020. “Fish Gelatin (Definition, Manufacture, Analysis of Quality Characteristics, and Application): A Review.” In . <https://www.semanticscholar.org/paper/Fish-gelatin-%28definition%2C-manufacture%2C-analysis-of-Siburian-Rochima/ba46745172d3e1ac9c59405823c27f29148c1336>.
- Silva, Marcelo A da, and Cécile A Dreiss. 2016. “Soft Nanocomposites: Nanoparticles to Tune Gel Properties.” *Polymer International* 65 (3): 268–79. <https://doi.org/10.1002/pi.5051>.
- Silvipriya, K., K. Kumar, A. Bhat, B. Kumar, Anish John, and Panayappan Lakshmanan. 2015. “Collagen: Animal Sources and Biomedical Application.” *Journal of Applied Pharmaceutical Science*, 123–27. <https://doi.org/10.7324/JAPS.2015.50322>.
- Sinthusamran, Sittichoke, Sootawat Benjakul, and Hideki Kishimura. 2014. “Characteristics and Gel Properties of Gelatin from Skin of Seabass (*Lates Calcarifer*) as Influenced by Extraction Conditions.” *Food Chemistry* 152 (June):276–84. <https://doi.org/10.1016/j.foodchem.2013.11.109>.
- . 2015. “Molecular Characteristics and Properties of Gelatin from Skin of Seabass with Different Sizes.” *International Journal of Biological Macromolecules* 73 (February):146–53. <https://doi.org/10.1016/j.ijbiomac.2014.11.024>.
- Sompie, M., and A. Triasih. 2018. “Effect of Extraction Temperature on Characteristics of Chicken Legskin Gelatin.” *IOP Conference Series: Earth and Environmental Science* 102 (1): 012089. <https://doi.org/10.1088/1755-1315/102/1/012089>.
- Stevens, Paul. 2009. “Gelatine.” In *Food Stabilisers, Thickeners and Gelling Agents*, 116–44. John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781444314724.ch7>.
- Sugihartono, Yuny Erwanto, and Rina Wahyuningsih. 2019. *Kolagen dan gelatin untuk industri pangan dan kesehatan/ Sugihartono, Yuny Erwanto, Rina Wahyuningsih ; editor, A. Ria Puji Utami | OPAC Perpustakaan Nasional RI*. Yogyakarta: Lily Publisher. <https://opac.perpusnas.go.id/DetailOpac.aspx?id=1327801>.
- Suprayitno, E., and Editya Fukata. 2020. “The Effect Of Concentrations Of Ephinephelus Sp. Skin Gelatin On The Quality Of Halal Marshmallows.” *Russian Journal of Agricultural and Socio-Economic Sciences* 97 (January):120–25. <https://doi.org/10.18551/rjoas.2020-01.15>.
- Surewicz, W. K., and H. H. Mantsch. 1988. “New Insight into Protein Secondary Structure from Resolution-Enhanced Infrared Spectra.” *Biochimica Et Biophysica Acta* 952 (2): 115–30. [https://doi.org/10.1016/0167-4838\(88\)90107-0](https://doi.org/10.1016/0167-4838(88)90107-0).
- Suryanti, Suryanti, and Theresia D. Suryaningrum. 2021. “Effect of Drying Temperature on Gelatin Characteristics of Nila Fish (*Oreochromis Niloticus*) Skin.” *AIP Conference Proceedings* 2349 (1): 020075. <https://doi.org/10.1063/5.0051856>.
- Tajima, S., and Y. Nagai. 1980. “Isolation and Partial Characterization of Collagen Fibrils, Fibers and Fiber-Bundles from Insoluble Calf Dermis.” *Connective Tissue Research* 7 (3): 157–63. <https://doi.org/10.3109/03008208009152107>.
- Tan, Johanna M., and Miang H. Lim. 2008. “Effects of Gelatine Type and Concentration on the Shelf-Life Stability and Quality of Marshmallows.” *International Journal of Food Science & Technology* 43 (9): 1699–1704. <https://doi.org/10.1111/j.1365-2621.2008.01756.x>.



- Tang, Cheng, Kai Zhou, Yichen Zhu, Wendi Zhang, Yong Xie, Zhaoming Wang, Hui Zhou, Tingting Yang, Qiang Zhang, and Baocai Xu. 2022. "Collagen and Its Derivatives: From Structure and Properties to Their Applications in Food Industry." *Food Hydrocolloids* 131 (October):107748. <https://doi.org/10.1016/j.foodhyd.2022.107748>.
- Thakur, Rajeev K., Ch. Vial, and G. Djelveh. 2003. "Influence of Operating Conditions and Impeller Design on the Continuous Manufacturing of Food Foams." *Journal of Food Engineering* 60 (1): 9–20. [https://doi.org/10.1016/S0260-8774\(03\)00005-0](https://doi.org/10.1016/S0260-8774(03)00005-0).
- Thompson, T. J. U., Marie Gauthier, and Meez Islam. 2009. "The Application of a New Method of Fourier Transform Infrared Spectroscopy to the Analysis of Burned Bone." *Journal of Archaeological Science* 36 (3): 910–14. <https://doi.org/10.1016/j.jas.2008.11.013>.
- Tkaczewska, Joanna, Małgorzata Morawska, Piotr Kulawik, and Marzena Zajac. 2018. "Characterization of Carp (*Cyprinus Carpio*) Skin Gelatin Extracted Using Different Pretreatments Method." *Food Hydrocolloids* 81 (August):169–79. <https://doi.org/10.1016/j.foodhyd.2018.02.048>.
- Toit, L., C. Bothma, Maryna de Wit, and Arnold Hugo. 2016. "Replacement of Gelatin with Opuntia Ficus-Indica Mucilage in Flavored Pink and Unflavored White Marshmallows. Part 2: Consumer Liking." *Journal of the Professional Association for Cactus Development* 18 (December):40–51. <https://doi.org/10.56890/jpacd.v18i.52>.
- Tong, Qiang, Wentao Zhao, Tairong Guo, Dequan Wang, and Xiuping Dong. 2023. "A Study of the Gelatin Low-Temperature Deposition Manufacturing Forming Process Based on Fluid Numerical Simulation." *Foods* 12 (14): 2687. <https://doi.org/10.3390/foods12142687>.
- Valcarcel, Jesus, Javier Fraguas, Carolina Hermida-Merino, Daniel Hermida-Merino, Manuel M. Piñeiro, and José Antonio Vázquez. 2021. "Production and Physicochemical Characterization of Gelatin and Collagen Hydrolysates from Turbot Skin Waste Generated by Aquaculture Activities." *Marine Drugs* 19 (9): 491. <https://doi.org/10.3390/md19090491>.
- Ven, Cornelly van der, Harry Gruppen, Dries B. A. de Bont, and Alphons G. J. Voragen. 2002. "Correlations between Biochemical Characteristics and Foam-Forming and -Stabilizing Ability of Whey and Casein Hydrolysates." *Journal of Agricultural and Food Chemistry* 50 (10): 2938–46. <https://doi.org/10.1021/jf011190f>.
- Viguet-Carrin, S., P. Garnero, and P. D. Delmas. 2006. "The Role of Collagen in Bone Strength." *Osteoporosis International* 17 (3): 319–36. <https://doi.org/10.1007/s00198-005-2035-9>.
- Vineis, C., I. Cruz Maya, S. Mowafi, A. Varesano, D. O. Sánchez Ramírez, M. Abou Taleb, C. Tonetti, V. Guarino, and H. El-Sayed. 2021. "Synergistic Effect of Sericin and Keratin in Gelatin Based Nanofibers for *in Vitro* Applications." *International Journal of Biological Macromolecules* 190 (November):375–81. <https://doi.org/10.1016/j.ijbiomac.2021.09.007>.
- Wang, Xiaohong, Qiang Ao, Xiaohong Tian, Jun Fan, Hao Tong, Weijian Hou, and Shuling Bai. 2017. "Gelatin-Based Hydrogels for Organ 3D Bioprinting." *Polymers* 9 (9): 401. <https://doi.org/10.3390/polym9090401>.
- Wang, Yaosong, Jing Zhao, Weiwei Zhang, Changqi Liu, Paula Jauregi, and Meigui Huang. 2020. "Modification of Heat-Induced Whey Protein Gels by Basic Amino Acids." *Food Hydrocolloids* 100 (March):105397. <https://doi.org/10.1016/j.foodhyd.2019.105397>.
- Wasswa, Joseph, Jian Tang, and Xiaohong Gu. 2007. "Utilization of Fish Processing By-Products in the Gelatin Industry." *Food Reviews International* 23 (2): 159–74. <https://doi.org/10.1080/87559120701225029>.
- Weisbroth, Steven H., Ronald E. Flatt, and Alan L. Kraus. 2013. *The Biology of the Laboratory Rabbit*. Academic Press.



- Widyasari, Ruri, and Saroat Rawdkuen. 2014. "Extraction and Characterization of Gelatin from Chicken Feet by Acid and Ultrasound Assisted Extraction." *Food and Applied Bioscience Journal* 2 (1): 85–97. <https://doi.org/10.14456/fabj.2014.7>.
- Wrolstad, Ronald E., and Daniel E. Smith. 2017. "Color Analysis." In *Food Analysis*, edited by S. Suzanne Nielsen, 545–55. Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-319-45776-5\\_31](https://doi.org/10.1007/978-3-319-45776-5_31).
- Wu, Jintao, Jing Xiao, Mingyao Zhu, Haichuan Yang, Jingjing Liu, and Yang Liu. 2023. "Study of Physicochemical and Gelation Properties of Fish Gelatin from Different Sources." *Applied Sciences* 13 (9): 5337. <https://doi.org/10.3390/app13095337>.
- Wulandari, Dwi, Indri Hermiyati, Iswahyuni Iswahyuni, and Armila Tawarniate. 2022. "Production and Characterization of Gelatin from Rabbit Bone as Bioplastics Material by Acid Pre-Treatment." *World Rabbit Science* 30 (March):83–93. <https://doi.org/10.4995/wrs.2022.16639>.
- Wulandari, Dwi, Suharjono Triatmojo, Yuny Erwanto, and Yudi Pranoto. 2016. "Physicochemical Properties and Amino Acid and Functional Group Profiles of Gelatin Extracted from Bovine Split Hide Cured by Acid." *Pakistan Journal of Nutrition* 15 (June):655–61. <https://doi.org/10.3923/pjn.2016.655.661>.
- Xu, Jinlong, Fei Liu, Tao Wang, H. Douglas Goff, and Fang Zhong. 2020. "Fabrication of Films with Tailored Properties by Regulating the Swelling of Collagen Fiber through PH Adjustment." *Food Hydrocolloids* 108 (November):106016. <https://doi.org/10.1016/j.foodhyd.2020.106016>.
- Xu, Mengqi, Lixin Wei, Yuancan Xiao, Hongtao Bi, Hongxia Yang, and Yuzhi Du. 2017. "Physicochemical and Functional Properties of Gelatin Extracted from Yak Skin." *International Journal of Biological Macromolecules* 95 (February):1246–53. <https://doi.org/10.1016/j.ijbiomac.2016.11.020>.
- Xue, Xiuheng, Haiyong He, Cunjun Liu, Yanping Han, Jingrui He, Jiajia Zhou, Xinglei Guo, Juhua Wang, and Jianbo Cheng. 2022. "Effects of Zein Modifying Polar Amino Acids as Surface Stabilizers on the Emulsification Stability of Milk Cream Diacylglycerol." *LWT* 165 (August):113676. <https://doi.org/10.1016/j.lwt.2022.113676>.
- Yin, Tao, Jae W. Park, and Shanbai Xiong. 2015. "Physicochemical Properties of Nano Fish Bone Prepared by Wet Media Milling." *LWT - Food Science and Technology* 64 (1): 367–73. <https://doi.org/10.1016/j.lwt.2015.06.007>.
- Zhu, Haiming, and Srinivasan Damodaran. 1994. "Protease Peptones and Physical Factors Affect Foaming Properties of Whey Protein Isolate." *Journal of Food Science* 59 (3): 554–60. <https://doi.org/10.1111/j.1365-2621.1994.tb05560.x>.
- Zilhada, Zilhada, and Effionora Anwar. 2018. "Characterization and Functional Properties of Gelatin Extracted from Goatskin." *International Food Research Journal* 25 (February).