

DAFTAR PUSTAKA

- Abdelhady SS, Atta M, Megahed A. 2022. Modeling electrospun PLGA nanofibers' diameter using response surface methodology and artificial neural networks. *Journal of Industrial Textiles*. 52.
- Amit Y, Geman D. 1997. Shape quantization and recognition with randomized trees. *Neural Computation*. 9 (7): 1545–1588.
- Adelnia, Hossein., Ensandoost, Reza., Shebbrin Moonshi, Shehzahdi. 2022. Freeze/thawed polyvinyl alcohol hydrogels: Present, past and future. *European Polymer Journal*. 164: 110974.
- Asmatulu, R. 2016. Highly Hydrophilic Electrospun Polyacrylonitrile/ Polyvinylpyrrolidone Nanofibers Incorporated with Gentamicin as Filter Medium for Dam Water and Wastewater Treatment. *Journal of Membrane and Separation Technology*. 5. 38-56.
- Acik, Gulen. 2020. A comprehensive study on electrospinning of poly (Vinyl alcohol): Effects of the tcd, applied voltage, flow rate, and solution concentration. *Journal of the Turkish Chemical Society, Section A: Chemistry*. 7. 609-616.
- Baker MI, Walsh SP, Schwartz Z, Boyan BD. 2012. A review of polyvinyl alcohol and its uses in cartilage and orthopedic applications. *Journal of Biomedical Materials Research Part B: Applied Biomaterials*. 100 (5): 1451–7
- Button. 1961. Dikutip dari artikel berjudul "*Science: The Goof Button*", dari majalah Time (magazine) edisi 18 August 1961.
- Bozinovski, S. 1981. *Teaching space: A representation concept for adaptive pattern classification*. COINS Technical Report No. 81-28, Computer and Information Science Department, University of Massachusetts at Amherst, MA, dikutip dari web <https://web.cs.umass.edu/publication/docs/1981/UM-CS-1981-028.pdf>

- Cuahuizo Huitzil, G., Olivares Xometl, O., Eugenia Castro, M.; Arellanes Lozada, P.; Meléndez Bustamante, F.J., Pineda Torres, I.H., Santacruz Vázquez, C., Santacruz-Vázquez, V. 2023. Artificial Neural Networks for Predicting the Diameter of Electrospun Nanofibers Synthesized from Solutions/Emulsions of Biopolymers and Oils. *Materials*, 16, 5720.
- Chaouat, Marc., Le Visage, Catherine., Baille, Wilms E., Escoubet, Brigitte., Chaubet, Frederic., Mateescu, Mircea Alexandru., Letourneur, Didier. 2008. A Novel Cross-linked Poly(vinyl alcohol) (PVA) for Vascular Grafts. *Advanced Functional Materials*. 18 (19): 2855–2861
- David A. Freedman. 2009. *Statistical Models: Theory and Practice*. Cambridge University Press. p. 26.
- Elkasaby M, Hegab HA, Mohany A, Rizvi GM. 2018. Modeling and optimization of electrospinning of polyvinyl alcohol. *Adv Polym Technol*. 37: 2114–2122.
- Fix, Evelyn., Hodges., Joseph L. 1951. *Discriminatory Analysis. Nonparametric Discrimination: Consistency Properties* (Report). USAF School of Aviation Medicine, Randolph Field, Texas.
- Farias BV., Pirzada T., Mathew R., Sit TL., Opperman C., Khan SA. 2019. Electrospun Polymer Nanofibers as Seed Coatings for Crop Protection. *ACS Sustainable Chemistry & Engineering*. 7 (24): 19848–19856.
- Haijun He, Yimeng Wang, Balazs Farkas, Zsombor Kristof Nagy, Kolos Molnar. (2020). Analysis and prediction of the diameter and orientation of AC electrospun nanofibers by response surface methodology, *Materials & Design*, Volume 194, 2020, 108902, ISSN 0264-1275.
- Hastie, Trevor. 2001. *The elements of statistical learning : data mining, inference, and prediction : with 200 full-color illustrations*. Tibshirani, Robert., Friedman, J. H. (Jerome H.). New York: Springer. ISBN 0-387-95284-5. OCLC 46809224.

- Ho TK. 1998. The Random Subspace Method for Constructing Decision Forests. *IEEE Transactions on Pattern Analysis and Machine Intelligence*. **20** (8): 832–844.
- Huang, Z., Zhang, Y., Kotaki, M., Ramakrishna, S. 2003. A review on polymer nanofibers by electrospinning and their applications in nanocomposites. *Composites Science and Technology*, 63, 2223–2253.
- Harnad, Stevan. 2008. *The Annotation Game: On Turing (1950) on Computing, Machinery, and Intelligence, in Epstein, Robert; Peters, Grace (eds.), The Turing Test Sourcebook: Philosophical and Methodological Issues in the Quest for the Thinking Computer*, Kluwer. pp. 23–66. ISBN 9781402067082.
- Joshua Mills. 2020. *Introduction to AI Part 1*. Dikutip dari website <https://edzion.com/2020/12/09/introduction-to-ai-part-1/> pada 15 Juni 2024
- Jerome H. Friedman. 2001. *The Elements of Statistical Learning*. Springer. ISBN 0-387-95284-5.
- Karimi, Mohammad Ali, Pourhakkak, Pouran, Adabi, Mahdi, Firoozi, Saman, Adabi, Mohsen and Naghibzadeh, Majid. 2015. Using an artificial neural network for the evaluation of the parameters controlling PVA/chitosan electrospun nanofibers diameter. *e-Polymers*, vol. 15, no. 2, pp. 127-138.
- Kamal Sarkar, Mounir Ben Ghalia, Zhenhua Wu, Subhash C. Bose. 2009. A neural network model for the numerical prediction of the diameter of electro-spun polyethylene oxide nanofibers, *Journal of Materials Processing Technology*, Volume 209, Issue 7.
- Kelly TL, Gao T, Sailor MJ. 2011. Carbon and carbon/silicon composites templated in rugate filters for the adsorption and detection of organic vapors. *Advanced Materials*. 23 (15): 1776–81

- Le Cun.,Wang, Xinan., Dasgupta, Sanjoy. 2016. An algorithm for L1 nearest neighbor search via monotonic embedding. *Advances in Neural Information Processing Systems 29, Curran Associates, Inc.*, pp. 983–991
- Lampman, Steve, ed. 2003. Effects of Composition, Processing, and Structure on Properties of Engineering Plastics, Characterization and Failure Analysis of Plastics. *ASM International*. p. 29.
- Maccaferri, Emanuele., Mazzocchetti, Laura., Benelli, Tiziana., Brugo, Tommaso Maria., Zucchelli, Andrea., Giorgini, Loris. 2022. Self-Assembled NBR/Nomex Nanofibers as Lightweight Rubbery Nonwovens for Hindering Delamination in Epoxy CFRPs. *ACS Applied Materials & Interfaces*. 14 (1): 1885–1899
- Maurya, A.K., P.L. Narayana, A. Geetha Bhavani, Hong Jae-Keun, Jong-Taek Yeom, N.S. Reddy. 2020. Modeling the relationship between electrospinning process parameters and ferrofluid/polyvinyl alcohol magnetic nanofiber diameter by artificial neural networks, *Journal of Electrostatics*, Volume 104, 2020, 103425, ISSN 0304-3886.
- Siskin GP. Cho KJ (ed.). 2015. Uterine Fibroid Embolization and Imaging. *Medscape*. WebMD LLC diakses dari website <https://emedicine.medscape.com/article/421734>
- Li D, Xia Y . 2004. Electrospinning of Nanofibers: Reinventing the Wheel?. *Advanced Materials*. 16 (14): 1151–117
- Rencher, Alvin C., Christensen, William F. 2012. *Chapter 10, Multivariate regression – Section 10.1, Introduction : Methods of Multivariate Analysis, Wiley Series in Probability and Statistics*, vol. 709 (3rd ed.). John Wiley & Sons, p. 19, ISBN 9781118391679.
- Merriam. 2019. Dikutip dari website "*Definition of ALGORITHM*" *Merriam-Webster Online Dictionary*.
- David A. Grossman, Ophir Frieder. 2004. *Information Retrieval: Algorithms and Heuristics*. Springer. 2nd edition, ISBN 1402030045

- Rogers. 1987. A First Course in Machine Learning (Chapman & Hall/CRC Machine Learning & Pattern Recognition). *Chapman and Hall/CRC*. 2nd edition. USA
- Mitchell, T. 1997. *Machine Learning*. McGraw Hill. page 2. ISBN 978-0-07-042807-2.
- Reneker D, Chun I. 1996. Nanometre diameter fibres of polymer produced by electrospinning. *Nanotechnology*. 7 (3): 216 223. Bibcode :1996 *Nanotechnology* 7216R .
- Santos, A.F., Aguado, R., Corazza, M.L. 2022. Artificial neural network for aspect ratio prediction of lignocellulosic micro/nanofibers. *Cellulose* 29, 5609–5622.
- Saba Kalantary, Ali Jahani, Reza Pourbabakia and Zahra Beigzadeh. 2019. Application of ANN modeling techniques in the prediction of the diameter of PCL/gelatin nanofibers in environmental and medical studies. *RSC Adv.*, 9, 24858-24874.
- Signori Iamin, G., Santos, A.F., Corazza, M.L. 2022. Prediction of cellulose micro/nanofiber aspect ratio and yield of nanofibrillation using machine learning techniques. *Cellulose* **29**, 9143–9162.
- Serife Akkoyun, Nuray Öktem. 2021. Effect of viscoelasticity in polymer nanofiber electrospinning: Simulation using FENE-CR model. *Engineering Science and Technology, an International Journal*. Volume 24, Issue 3, 2021, Pages 620-630. ISSN 2215-0986.
- Sivan, Manikandan., Madheswaran, Divyabharathi., Valtera, Jan., Kostakova, Eva Kuzelova., Lukas, David. 2022. Alternating current electrospinning: The impacts of various high-voltage signal shapes and frequencies on the spinnability and productivity of polycaprolactone nanofibers. *Materials & Design*. page 213: 110308. ISSN 0264-1275. S2CID 245075252.
- Stone, Harold S. 1972. *Introduction to Computer Organization and Data Structures*. McGraw-Hill, New York. ISBN 978-0-07-061726-1. Page 4.

- Tianqi, Chan. 2016. dikutip dari website yang berjudul "*Story and Lessons behind the evolution of XGBoost*" pada 12 Juni 2024. <http://homes.cs.washington.edu/~tqchen/2016-03/10/story-and-lessons-behind-the-evolution-of-xgboost.html>
- Talukder, Md Eman & Pervez, Md. Nahid & Jianming, Wang & Gao, Ziwei & Stylios, George & Hassan, Mohammad & Song, Hongchen & Naddeo, Vincenzo. 2021. Chitosan-functionalized sodium alginate-based electrospun nanofiber membrane for As (III) removal from aqueous solution. *Journal of Environmental Chemical Engineering*. 9. 106693.
- Pervez, M.N., Yeo, W.S., Mishu, M.M.R. 2023. Electrospun nanofiber membrane diameter prediction using a combined response surface methodology and machine learning approach. *Sci Rep* **13**, 9679.
- Vasita R, Katti DS. 2006. Nanofibers and their applications in tissue engineering. *International Journal of Nanomedicine*. 1 (1): 15–30.
- Vedala, Harindra., Huang, Jun., Zhou, Xiang., Kim, Gene., Roy, Somenath., Choi, Won. 2006. Effect of PVA functionalization on hydrophilicity of Y-junction single wall carbon nanotubes. *Applied Surface Science*. 252. 7987-7992.
- Yan, Xin. 2009. Linear Regression Analysis: Theory and Computing. *World Scientific*. pp. 1–2, ISBN 9789812834119.
- Zeraati, Malihe., Pourmohamad, Rana., Bahareh Baghchi, Narendra Pal Singh Chauhan, Ghasem Sargazi. 2021. Optimization and predictive modelling for the diameter of nylon-6,6 nanofibers via electrospinning for coronavirus face masks, *Journal of Saudi Chemical Society*, Volume 25, Issue 11,101348, ISSN 1319-6103.
- Zhang B, Kang F, Tarascon JM, Kim JK. 2016. Recent advances in electrospun carbon nanofibers and their application in electrochemical energy storage. *Prog Mater Sci*. 76: 319–380.

Ziabicki, A. 1976. *Fundamentals of fiber formation*. John Wiley and Sons, London.
ISBN 0-471-98220-2.