DAFTAR PUSTAKA

Alghrairi, M., Sulaiman, N., & Mutashar, S. (2020). Health care monitoring and treatment for coronary artery diseases: Challenges and issues. In *Sensors (Switzerland)* (Vol. 20, Issue 15, pp. 1–23). MDPI AG. https://doi.org/10.3390/s20154303

B, S., & Tontowi, A. E. (2019). OPTIMASI DESAIN STENT PLA MENGGUNAKAN METODE RESPONSE SURFACE (RSM) UNTUK MEMPEROLAH FLEKSIBILITAS TERBAIK. *Jurnal Teknosains*, *8*(1), 1–88. https://doi.org/10.22146/teknosains.35387

Banabic, D., Barlat, F., Cazacu, O., & Kuwabara, T. (2010). Advances in anisotropy and formability. In *International Journal of Material Forming* (Vol. 3, Issue 3, pp. 165–189). https://doi.org/10.1007/s12289-010-0992-9

Baradaran, Y., Baghani, M., Kazempour, M., Hosseini, S. K., Karimpour, M., & Baniassadi, M. (2021). Design and Shape Optimization of a Biodegradable Polymeric Stent for Curved Arteries Using FEM. *Frontiers in Mechanical Engineering*, *7*. https://doi.org/10.3389/fmech.2021.689002

Barsanescu, P. D., & Comanici, A. M. (2017). von Mises hypothesis revised. *Acta Mechanica*, *228*(2), 433–446. https://doi.org/10.1007/s00707-016-1706-2

Bathe, K. J. (2008). Finite Element Method. *Wiley Encylopedia of Computer and Engineering*, 1–12. https://doi.org/10.1002/9780470050118.ecse159

Bobel, A. C., Petisco, S., Sarasua, J. R., Wang, W., & McHugh, P. E. (2015). Computational Bench Testing to Evaluate the Short-Term Mechanical Performance of a Polymeric Stent. *Cardiovascular Engineering and Technology*, *6*(4), 519–532. https://doi.org/10.1007/s13239-015-0235-9

Brambilla, A., Pennati, G., Petrini, L., & Berti, F. (2023). Stents in Congenital Heart Disease: State of the Art and Future Scenarios. In *Applied Sciences (Switzerland)* (Vol. 13, Issue 17). Multidisciplinary Digital Publishing Institute (MDPI). https://doi.org/10.3390/app13179692

Chen, C., Xiong, Y., Li, Z., & Chen, Y. (2020). Flexibility of biodegradable polymer stents with different strut geometries. *Materials*, *13*(15). https://doi.org/10.3390/ma13153332

Chen, W., & Dai, F. (2021). Evaluation of Talent Cultivation Quality of Modern Apprenticeship Based on Context-Input-Process-Product Model. *International Journal of Emerging Technologies in Learning*, *16*(4), 197–212. https://doi.org/10.3991/ijet.v16i14.24053

Chen, W. H., Carrera Uribe, M., Kwon, E. E., Lin, K. Y. A., Park, Y. K., Ding, L., & Saw, L. H. (2022). A comprehensive review of thermoelectric generation optimization by statistical approach: Taguchi method, analysis of variance (ANOVA), and response surface methodology (RSM). In *Renewable and Sustainable Energy Reviews* (Vol. 169). Elsevier Ltd. https://doi.org/10.1016/j.rser.2022.112917

Clare, J., Ganly, J., Bursill, C. A., Sumer, H., Kingshott, P., & de Haan, J. B. (2022). The Mechanisms of Restenosis and Relevance to Next Generation Stent Design. In *Biomolecules* (Vol. 12, Issue 3). MDPI. https://doi.org/10.3390/biom12030430

Dewi, N. A. (2019). *OPTIMIZATION OF DESIGN PARAMETERS OF POLY L-LACTIC ACID AND POLY D, L-LACTIC ACID STENTS USING FINITE ELEMENT METHOD AND RESPONSE SURFACE METHOD THESIS Composed By*. Universitas Gadjah Mada.

Di Bucchianico, A. (2007). Coefficient of Determination (R 2) Related Articles Analysis of Variance; Correlation; Dependence; Degrees of Freedom; Lack of Fit. *Encyclopedia of Statistics in Quality and Reliability*. https://doi.org/10.1002/9780470061572.eqr173

Fareed, M., Suri, K., Qureshi, A., Muhammad, ;, Memon, Z., & Qureshi, A. I. (2008). Treatment of unruptured intracranial aneurysms using internally expanding coils. In *Article in Journal of Vascular and Interventional Neurology* (Vol. 1, Issue 2). https://www.researchgate.net/publication/224770608

Greaves, G. N., Greer, A. L., Lakes, R. S., & Rouxel, T. (2011). Poisson's ratio and modern materials. In *Nature Materials* (Vol. 10, Issue 11, pp. 823–837). Nature Publishing Group. https://doi.org/10.1038/nmat3134

Institute for Health Metrics and Evaluation. (n.d.). Indonesia. HeathData.org. Available at: https://www.healthdata.org/research-analysis/health-by-location/profiles/indonesia (Accessed: 31 May 2024)

Khalaj, R., Tabriz, A. G., Junqueira, L. A., Okereke, M. I., & Douroumis, D. (2024). 3D printed stents using Fused deposition modelling. *Journal of Drug Delivery Science and Technology*, *97*. https://doi.org/10.1016/j.jddst.2024.105724

Khatami, M., Doniavi, / Ali, Amir, /, Abazari, M., & Fotouhi, M. (2024). Flexibility and Geometric Optimization of a New Structure for a Polymer Stent with the Finite Element Method. *Sharif Journal of Mechanical Engineering*. https://doi.org/10.24200/j40.2023.60261.1637

Korei, N., Solouk, A., Haghbin Nazarpak, M., & Nouri, A. (2022). A review on design characteristics and fabrication methods of metallic cardiovascular stents. In *Materials Today Communications* (Vol. 31). Elsevier Ltd. https://doi.org/10.1016/j.mtcomm.2022.103467

Krishnaiah, K., & Shahabudeen, P. (2012). *APPLIED DESIGN OF EXPERIMENTS AND TAGUCHI METHODS*. PHI Learning Private Limited.

Krittanawong, C., Kumar, A., Wang, C., Narasimhan, B., Mahtta, D., Jneid, H., Baber, U., Mehran, R., Tang, W., Ballantyne, C. M., & Virani, S. S. (2020). Coronary artery disease in the young in the US population-based cohort. *Am J Cardiovasc Dis*, *10*(3), 189–194.

Montgomery, D. C., & Runger, G. C. (2003). *Applied statistics and probability for engineers*. Wiley.

Myers, R. H., Montgomery, D. C., & Anderson-cook, C. M. (2009). *RESPONSE SURFACE METHODOLOGY* (D. J. Balding, N. A. C. Cressie, G. M. Fitzmaurice, I. M. Johnstone, & G. Molenberghs, Eds.; Third). John Wiley & Sons, Inc.

Pan, C., Han, Y., & Lu, J. (2021). Structural design of vascular stents: A review. In *Micromachines* (Vol. 12, Issue 7). MDPI AG. https://doi.org/10.3390/mi12070770

Pauck, R. G., & Reddy, B. D. (2015). Computational analysis of the radial mechanical performance of PLLA coronary artery stents. *Medical Engineering and Physics*, *37*(1), 7–12. https://doi.org/10.1016/j.medengphy.2014.09.014

Pelleg, J. (2013). *Mechanical Properties of Materials* (G. M. L. Gladwell, Ed.; Vol. 190). Springer Dordrecht Heidelberg New York London. https://doi.org/10.1007/978-94-007-4342-7

Pelton, A. R., & Duerig, T. W. (2004). *SMST-2003 : Proceedings of the International Conference on Shape Memory and Superelastic Technologies, 5 May to 8 May 2003, Asilomar Conference Center, Pacific Grove, California, USA*. SMST Society.

Petrini, L., Migliavacca, F., Auricchio, F., & Dubini, G. (2004). Numerical investigation of the intravascular coronary stent flexibility. *Journal of Biomechanics*, *37*(4), 495–501. https://doi.org/10.1016/j.jbiomech.2003.09.002

Polanec, B., Kramberger, J., & Glodež, S. (2020). A review of production technologies and materials for manufacturing of cardiovascular stents. *Advances in Production Engineering And Management*, *15*(4), 390–402. https://doi.org/10.14743/APEM2020.4.373

Prasath, M. K. (2018). *ScienceDirect Application of Taguchi and Response Surface Methodology (RSM) in Steel Turning Process to Improve Surface Roughness and Material Removal Rate*. www.sciencedirect.com

Pratama, I. D. (2017). *OPTIMASI PARAMETER DESAIN STENT BERBAHAN BAKU POLY L-LACTIC ACID (PLLA) UNTUK MEMPEROLEH SIFAT MEKANIS OPTIMAL BERDASARKAN NILAI RECOIL,*

FORESHORTENING DAN TEGANGAN VON MISES MENGGUNAKAN METODE RESPONSE SURFACE. Universitas Gadjah Mada.

Raeni, F. (2018). *OPTIMASI DESAIN STENT BERMATERIAL KOMPOSIT PLLA CNT UNTUK MEMPEROLEH FLEKSIBILITAS TERBAIK MENGGUNAKAN METODE RESPONSE SURFACE*. Universitas Gadjah Mada.

Rofiyati, W. R., & Pangastuti, H. S. (2020). Factors Associated Quality of Life Patients with Coronary Stent in Dr Sardjito Hospital Yogyakarta. *Jurnal Ners Dan Kebidanan Indonesia*, *8*(1), 9. https://doi.org/10.21927/jnki.2020.8(1).9-16

Rokom. (2023). *Cegah Penyakit Jantung Dengan menerapkan Perilaku Cerdik Dan Patuh – Sehat Negeriku, Sehat Negeriku Sehatlah Bangsaku*. Available at: https://sehatnegeriku.kemkes.go.id/baca/rilis-media/20230925/4943963/cegah-penyakit-jantung-dengan-menerapkan-perilaku-cerdik-dan-patuh/ (Accessed: 31 May 2024)

Schiavone, A., Qiu, T. Y., & Zhao, L. G. (2017). Crimping and deployment of metallic and polymeric stents - finite element modelling. *Vessel Plus*, *1*, 12–21. https://doi.org/10.20517/2574-1209.2016.03

Septiani, E. G. (2017). *Optimasi Parameter Desain Stent Berbahan Baku Poly-L-Lactic Acid (PLLA) untuk Memperoleh Fleksibilitas Terbaik Menggunakan Metode Response Surface*. Universitas Gadjah Mada.

Setyo Nugroho, A., Astutik, E., & Dwi Tama, T. (2022). Risk Factors for Coronary Heart Disease in Productive Age Group in Indonesia Article in Malaysian Journal of Medicine and Health Sciences ·. In *Malaysian Journal of Medicine and Health Sciences* (Vol. 18, Issue 2). https://www.researchgate.net/publication/359938073

Tomberli, B., Mattesini, A., Baldereschi, G. I., & Di Mario, C. (2018). A Brief History of Coronary Artery Stents. *Revista Española de Cardiología (English Edition)*, *71*(5), 312–319. https://doi.org/10.1016/j.rec.2017.11.022

Tontowi, A. E., Adani, R. A., Setyanintyas, I. S., & Taufiq, N. (2014). *Analysis of User Acceptability Factors for Optimum Design of Coronary Stent*. 1–7. https://doi.org/10.13140/2.1.1885.2805

Tontowi, A. E., Ikra, P., & Siswomihardjo, W. (2013). Mapping of Coronary Stent Demand of Several Hospitals in Indonesia and Its Forecasting. *2013 3rd International Conference on Instrumentation, Communications, Information Technology, and Biomedical Engineering (ICICI-BME) 436 Bandung*, 436–439. https://doi.org/1109/ICICI-BME.2013.6698542

Tontowi, A. E., Pratama, I., Hariawan, H., RInastiti, M., & Siswomihardjo, W. (2015). Strength and Displacement of Open Cell Designs of Coronary Stent in Responding of Various Inflated Pressures. *2015 4th International Conference on Instrumentation, Communications, Information Technology, and*

Biomedical Engineering (ICICI-BME) Bandung, 18–21. https://doi.org/10.1109/ICICI-BME.2015.7401307

Ullah, M., Wahab, A., Khan, S. U., Zaman, U., Rehman, K. ur, Hamayun, S., Naeem, M., Ali, H., Riaz, T., Saeed, S., Alsuhaibani, A. M., & Refat, M. S. (2023). Stent as a Novel Technology for Coronary Artery Disease and Their Clinical Manifestation. In *Current Problems in Cardiology* (Vol. 48, Issue 1). Elsevier Inc. https://doi.org/10.1016/j.cpcardiol.2022.101415

Utami, A. S. M. K. (2017). *Optimasi Parameter Desain Stent dengan Linkage Terpilih Berbahan Baku Poly-L-Lactic Acid untuk Memperoleh Fleksibilitas Terbaik dengan Menggunakan Response Surface Method (RSM)*. Universitas Gadjah Mada.

Vaizasatya, A., De Mattos, G., Li, V. Z. C., & Xu, Z. (2013). A Product Development Methodology: Design and Simulation of Coronary Stents. In *Journal of Medical* (Vol. 7). http://asmedigitalcollection.asme.org/medicaldevices/article-pdf/7/3/030937/6235651/med_007_03_030937.pdf

Vishnu, J., Manivasagam, G., Mantovani, D., Udduttula, A., Coathup, M. J., Popat, K. C., Ren, P.-G., & Prashanth, K. G. (2022). Balloon expandable coronary stent materials: a systematic review focused on clinical success. *In Vitro Models*, *1*(2), 151–175. https://doi.org/10.1007/s44164-022-00009-w

Wajdi, F., Tontowi, A. E., & Kusumaningtyas, I. (2018). Finite Element Investigation of GO Reinforced PLLA Stent Deployment. *2018 1st International Conference on Bioinformatics, Biotechnology, and Biomedical Engineering (BioMIC), Yogyakarta, Indonesia*, 1–6. https://doi.org/10.1109/BIOMIC.2018.8610617

Waksman, R. (2007). Promise and challenges of bioabsorbable stents. In *Catheterization and Cardiovascular Interventions* (Vol. 70, Issue 3, pp. 407–414). https://doi.org/10.1002/ccd.21176

Watson, T., Webster, M. W. I., Ormiston, J. A., Ruygrok, P. N., & Stewart, J. T. (2017). Long and short of optimal stent design. In *Open Heart* (Vol. 4, Issue 2). BMJ Publishing Group. https://doi.org/10.1136/openhrt-2017-000680

Weir, N. A., Buchanan, F. J., Orr, J. F., & Dickson, G. R. (2004). Degradation of poly-L-lactide. Part 1: In vitro and in vivo physiological temperature degradation. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*, *218*(5), 307–319. https://doi.org/10.1243/0954411041932782

Workshopscience, I. (2024). *Steps to Analyzing a Material's Properties From Its Stress/Str ain Curve Introduction: Steps to Analyzing a Material's Properties From Its Stress/Strain Curve*. https://www.instructables.com/Steps-to-Analyzing-a-Materials-Properties-from-its/

Wu, W., Yang, D. Z., Qi, M., & Wang, W. Q. (2007). An FEA method to study flexibility of expanded coronary stents. *Journal of Materials Processing Technology*, *184*(1–3), 447–450. https://doi.org/10.1016/j.jmatprotec.2006.12.010