

DAFTAR PUSTAKA

- Aldhufairi, H. S., & Olatunbosun, O. A. (2018). *Developments in tyre design for lower rolling resistance: A state of the art review. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, 232(14), 1865–1882.
<https://doi.org/10.1177/0954407017727195>
- AM, C. Q., Deliasgarin Radyantho, K., Kurniawan, A., Nasrullah, M., Annisa, S., & Teknologi Kalimantan, I. (2023). *Perbandingan Performa Ban Airless Dengan Ban Pneumatik Pada Skuter Elektrik* (Vol. 5).
- Andersen, L. G., Larsen, J. K., Fraser, E. S., Schmidt, B., & Dyre, J. C. (2015). *Rolling resistance measurement and model development. Journal of Transportation Engineering*, 141(2).
[https://doi.org/10.1061/\(ASCE\)TE.1943-5436.0000673](https://doi.org/10.1061/(ASCE)TE.1943-5436.0000673)
- Arat, M., & Bolarinwa, E. O. (2015). *Rolling Resistance Effect of Tire Road Contact in Electric Vehicle Systems. SAE Technical Papers*, 2015 (April).
<https://doi.org/10.4271/2015-01-0624>
- Bale, J. S., Selan, R. N., Adoe, D. G., & Daniel Situmorang, dan. (2018). *The Application of VDI 2221 Method on Embodiment Design of Pin on Disk Wear Test*.
- Birosz, M. T., Ledenyák, D., & Andó, M. (2022). *Effect of FDM infill patterns on mechanical properties. Polymer Testing*, 113.
<https://doi.org/10.1016/j.polymertesting.2022.107654>
- Cahyati, S., & Putra, R. A. (2023). *The Effect of Infill Pattern and Density Parameters on Tensile Strength of Polymer Materials In 3d Printing. Jurnal Rekayasa Mesin*, 14(3), 753–761. <https://doi.org/10.21776/jrm.v14i3.1005>
- Chatpun, S., Dissaneewate, T., Kwanyuang, A., Nouman, M., Srewaradachpisal, S., & Movrin, D. (2025). *Infill Pattern and Density of 3D-Printed Insoles Alter Energy and Pressure Distribution in Gait. Applied Sciences (Switzerland)*, 15(7). <https://doi.org/10.3390/app15073916>
- Deng, Y., Wang, Z., Shen, H., Gong, J., & Xiao, Z. (2023). *A comprehensive review on non-pneumatic tyre research. Dalam Materials and Design* (Vol. 227).

- Elsevier Ltd. <https://doi.org/10.1016/j.matdes.2023.111742>
- Dunn, A. L., Uhlenhake, G. D., Guenther, D. A., Heydinger, G. J., & Heydinger, G. J. (2008). *Vehicle coast analysis: Typical SUV characteristics*. *SAE International Journal of Passenger Cars-Mechanical Systems*, 1(2008-01–0598), 526–535.
- Frérot, L., Aghababaei, R., & Molinari, J. F. (2018). *A mechanistic understanding of the wear coefficient: From single to multiple asperities contact*. *Journal of the Mechanics and Physics of Solids*, 114, 172–184. <https://doi.org/10.1016/j.jmps.2018.02.015>
- Guessasma, S., Belhabib, S., & Nouri, H. (2021). *Effect of printing temperature on microstructure, thermal behavior and tensile properties of 3D printed nylon using fused deposition modeling*. *Journal of Applied Polymer Science*, 138(14). <https://doi.org/10.1002/app.50162>
- Hakim, R., Saputra, I., Prabowo Utama, G., & Setyoadi, Y. (2019). Pengaruh Temperatur *Nozzle* Dan *Base Plate* Pada Material PLA Terhadap Nilai Massa Jenis Dan Kekasaran Permukaan Produk Pada Mesin Leapfrog Creatr 3d Printer. Dalam Jurnal Teknologi dan Riset Terapan (JATRA) (Vol. 1, Nomor 1). <http://jurnal.polibatam.ac.id/index.php/JATRA>, <https://jurnal.polibatam.ac.id/index.php/JATRA>
- Hytinen, J., Österlöf, R., Jerrelind, J., & Drugge, L. (2024). *A semi-physical thermodynamic transient rolling resistance model with nonlinear viscoelasticity*. *Mechanics of Time-Dependent Materials*, 28(3), 895–916. <https://doi.org/10.1007/s11043-023-09650-8>
- Lesmana, R., Mardiyana, D., & Sumarno, D. I. (2025). *Analysis of the Effect of Print Speed and Layer Height on the Hardness of TPU-95A Filament 3D-Printed Products*. *Jurnal Konversi Energi dan Manufaktur*. <https://doi.org/10.21009/jkem.10.1.2>
- Made Widiyarta, I., Made Parwata, I., Lokantara, P., & Ranto, D. D. (2017). *Hardness and Wear of Nickel-Tungsten Layers on Medium Carbon Steel under Rolling-Sliding Contact Test*.
- Mustafidah, H., Imantoyo, A., & Suwarsito, S. (2020). Pengembangan Aplikasi Uji-

- t Satu Sampel Berbasis Web (*Development of Web-Based One-Sample t-Test Application*) (Vol. 8, Nomor 2).
- Nugraha, X., Srihandayani, L., & Goutama, K. (2021). Analisis Skuter Listrik Sebagai Kendaraan di Indonesia: Sebuah Tinjauan Hukum Normatif. *Simbur Cahaya*, 118–141. <https://doi.org/10.28946/sc.v27i2.1041>
- Pasila, R., Rompis, S. Y. R., & Jansen, F. (2019). Pemodelan Akselerasi Kendaraan Roda Empat dan Roda Dua Menggunakan Data Kendaraan Penyidik di Kota Manado. *Jurnal Sipil Statik*, 7(5), 505–512.
- Payadnya, I. P. A. A., & Jayantika, G. A. N. T. (2018). Metode penelitian eksperimen.
- Pernet, B., Nagel, J. K., & Zhang, H. (2022). *Compressive Strength Assessment of 3D Printing Infill Patterns*. *Procedia CIRP*, 105, 682–687. <https://doi.org/10.1016/j.procir.2022.02.114>
- Persson, B. N. J., Xu, R., & Miyashita, N. (2010). *Rubber wear: experiment and theory*.
- Qamar Tanveer, M., Mishra, G., Mishra, S., & Sharma, R. (2022). *Effect of infill pattern and infill density on mechanical behaviour of FDM 3D printed Parts-a current review*. *Materials Today: Proceedings*, 62, 100-108. <https://doi.org/10.1016/j.matpr.2022.02.310>
- Sandberg, U. (2020). *The Airless Tire: Will this Revolutionary Concept be the Tire of the Future? Modern Concepts in Material Science*, 3(3). <https://doi.org/10.33552/mcms.2020.03.000563>
- Sharma, A., Chhabra, D., Sahdev, R., Kaushik, A., & Punia, U. (2022). *Investigation of wear rate of FDM printed TPU, ASA and multi-material parts using heuristic GANN tool*. *Materials Today: Proceedings*, 63, 559–565. <https://doi.org/10.1016/j.matpr.2022.04.015>
- Sutantra, N., & Sampurno, I. B. (2010). Penerbit Guna Widya Edisi Kedua Institut Teknologi Sepuluh Nopember (Vol. 60282).
- Suyabodha, A. (2017). *A Relationship between Tyre Pressure and Rolling Resistance Force under Different Vehicle Speed*.
- Ulf Sandberg, H. M., Conter, M., Boujard, O., Ejsmont, J. A., Wang, T., & Harvey, J. T. (2011). *List of contributors*. <http://www.miriam-co2.net/>

- Wu, T., Li, M., Zhu, X., & Lu, X. (2021). *Research on non-pneumatic tire with gradient anti-tetrachiral structures. Mechanics of Advanced Materials and Structures*, 28(22), 2351–2359. <https://doi.org/10.1080/15376494.2020.1734888>
- Wu, Y., Hermes, J., Verbelen, L., & Yang, L. (2019). *Impact Energy Absorption Ability of Thermoplastic Polyurethane (Tpu) Cellular Structures Fabricated Via Powder Bed Fusion*.
- Yu, C., Choi, J., Lee, J., Lim, S., Park, Y., Jo, S. M., Ahn, J., Kim, S. Y., Chang, T., Boyer, C., & Kwon, M. S. (2024). *Functional Thermoplastic Polyurethane Elastomers with α , ω -Hydroxyl End-Functionalized Polyacrylates. Advanced Materials*, 36(40). <https://doi.org/10.1002/adma.202403048>

