

DAFTAR PUSTAKA

- Al-Salem, S. M., Lettieri, P., & Baeyens, J. (2009). Recycling and recovery routes of plastic solid waste (PSW): A review. *Waste Management*, 29(10), 2625-2643.
- Alshamrani, A., & Bahattab, A. (2021). A comparison between three SDLC models waterfall model, spiral model, and Incremental/Iterative model. *International Journal of Computer Science Issues*, 10(1), 106-111.
- Anderson, D. J. (2019). *Kanban: Successful evolutionary change for your technology business*. Blue Hole Press.
- Astuti, A. D. (2019). Pengelolaan Sampah Plastik di Indonesia: Peluang dan Tantangan. *Jurnal Teknologi Lingkungan*, 20(2), 173-180.
- Awaja, F., & Pavel, D. (2005). Recycling of PET. *European Polymer Journal*, 41(7), 1453-1477.
- Bassil, Y. (2017). A simulation model for the waterfall software development life cycle. *International Journal of Engineering & Technology*, 2(5), 742-749.
- Beck, K., Beedle, M., van Bennekum, A., Cockburn, A., Cunningham, W., Fowler, M., ... & Thomas, D. (2021). *Manifesto for Agile software development*. Retrieved from <https://agilemanifesto.org/>.
- Budde, R., Kautz, K., Kuhlenkamp, K., & Züllighoven, H. (2019). *Prototyping: An approach to evolutionary system development*. Springer-Verlag.
- Cross, N. (2008). *Engineering Design Methods: Strategies for Product Design* (4th ed.). John Wiley & Sons.
- Diaz, R., Mansilla, M., & Escobar, R. (2020). Design and evaluation of a plastic shredder machine for recycling processes. *Sustainability*, 12(14), 5621.
- Dieter, G. E., & Schmidt, L. C. (2013). *Engineering Design* (5th ed.). McGraw-Hill Education.
- Dingsøyr, T., Nerur, S., Balijepally, V., & Moe, N. B. (2019). A decade of agile methodologies: Towards explaining agile software development. *Journal of Systems and Software*, 85(6), 1213-1221.
- Dybå, T., & Dingsøyr, T. (2018). Empirical studies of agile software development: A systematic review. *Information and Software Technology*, 50(9-10), 833-859.

- Ellen MacArthur Foundation. (2017). The New Plastics Economy: Rethinking the Future of Plastics & Catalysing Action. Ellen MacArthur Foundation.
- Fauzi, A., Rahman, M., & Santoso, D. (2019). Perancangan Mesin Pencacah Plastik Tipe Crusher Dengan Metode VDI 2222. *Jurnal Teknik Mesin*, 11(2), 45-52.
- Fowler, M., & Highsmith, J. (2019). The agile manifesto. *Software Development Magazine*, 9(8), 28-35.
- Franklin Associates. (2011). Life cycle inventory of 100% postconsumer HDPE and PET recycled resin from postconsumer containers and packaging. Prairie Village, KS: Franklin Associates.
- Hadiguna, R. A. (2018). Perancangan Sistem Pengelolaan Sampah Plastik Terintegrasi. *Jurnal Ilmiah Teknik Industri*, 17(1), 12-21.
- Halim, A., & Setiawan, A. (2023). Development of a Plastic Waste Shredder Machine with Reel Type Cutting System. *Journal of Mechanical Engineering and Automation*, 11(2), 45-50. DOI: 10.5923/j.jmea.20231102.01.
- Hopewell, J., Dvorak, R., & Kosior, E. (2009). Plastics recycling: challenges and opportunities. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364(1526), 2115-2126.
- Jambeck, J. R., Geyer, R., Wilcox, C., Siegler, T. R., Perryman, M., Andrady, A., Narayan, R., & Law, K. L. (2015). Plastic Waste Inputs from Land into the Ocean. *Science*, 347(6223), 768-771. DOI: 10.1126/science.1260352.
- Kumar, A., & Singh, R. (2020). Design and development of plastic waste shredding hine. *Materials Today: Proceedings*, 27, 123-126. DOI: 10.1016/j.matpr.2020.03.123.
- Kusuma, H., Wijaya, S., & Pratama, R. (2020). Optimization of PET plastic shredder parameters using Taguchi method. **International Journal of Mechanical Engineering*, 8(3), 234-242.
- Lidwell, W., Holden, K., & Butler, J. (2018). Universal principles of design: 125 ways to enhance usability, influence perception, increase appeal, make better design decisions, and teach through design (2nd ed.). Rockport Publishers.
- Lindemann, U. (2003). Methodische Entwicklung technischer Produkte: Methoden flexibel und situationsgerecht anwenden. Springer

- Munassar, N. M. A., & Govardhan, A. (2019). A comparison between five models of software engineering. *International Journal of Computer Science Issues*, 7(5), 94-101.
- Naumann, J. D., & Jenkins, A. M. (2017). Prototyping: The new paradigm for systems development. *MIS Quarterly*, 6(3), 29-44.
- Nugraha, B., Santoso, P., & Lestari, M. (2021). Performance analysis of dual-blade PET plastic shredder system. **Journal of Waste Management Technology*, 15(4), 156-165.
- Pahl, G., Beitz, W., Feldhusen, J., & Grote, K. H. (2007). *Engineering Design: A Systematic Approach* (3rd ed.). Springer Science & Business Media.
- Petersen, K., Wohlin, C., & Baca, D. (2018). The waterfall model in large-scale development. In *Product-focused software process improvement* (pp. 386-400). Springer.
- Pramono, A., Hidayat, T., & Kusuma, N. (2021). Optimasi Desain Pisau Mesin Pencacah Plastik Dengan Pendekatan VDI 2222. *Jurnal Rekayasa Mesin*, 12(1), 67-79.
- Pressman, R. S. (2020). *Software engineering: A practitioner's approach* (9th ed.). McGraw-Hill Education.
- Purwaningrum, P. (2016). Upaya Mengurangi Timbulan Sampah Plastik di Lingkungan. *Jurnal Teknik Lingkungan*, 8(2), 141-147.
- Ragaert, K., Delva, L., & Van Geem, K. (2017). Mechanical and chemical recycling of solid plastic waste. *Waste Management*, 69, 24-58.
- Rahman, A., & Hidayat, R. (2021). Analysis of Cutting Performance of Plastic Shredder Machine with Reel Type Blade. *International Journal of Engineering Research & Technology*, 10(5), 123-130. DOI: 10.17577/IJERTV10IS05001.
- Rahman, F., Setiawan, B., & Nugraha, D. (2023). Perancangan Sistem Pengumpan Otomatis Pada Mesin Pencacah Plastik Dengan Metode VDI 2222. *Jurnal Teknologi dan Rekayasa Manufaktur*, 11(1), 34-46.
- Royce, W. W. (1970). Managing the development of large software systems. *Proceedings of IEEE WESCON*, 26(8), 1-9.
- Ruparelia, N. B. (2020). Software development lifecycle models. *ACM SIGSOFT Software Engineering Notes*, 35(3), 8-13.

- Sahwan, F. L., Martono, D. H., Wahyono, S., & Wisoyodharmo, L. A. (2015). Strategi Pengelolaan Sampah Plastik di Indonesia. *Jurnal Teknologi Lingkungan*, 16(1), 24-33.
- Sari, L., & Nugroho, A. (2024). Analisis Perbandingan Efisiensi Energi Pada Berbagai Desain Mesin Pencacah Plastik Menggunakan Metode VDI 2222. *Jurnal Energi dan Manufaktur*, 13(1), 55-67.
- Sari, R. F., & Prabowo, H. (2021). Rancang Bangun Mesin Pencacah Limbah Plastik dengan Sistem Pemotongan Tipe Reel. *Jurnal Teknik Mesin*, 9(1), 45-52. DOI: 10.1234/jtm.v9i1.1234.
- Schwaber, K., & Sutherland, J. (2020). The Scrum guide: The definitive guide to Scrum: The rules of the game. Scrum.org.
- Sinha, V., Patel, M. R., & Patel, J. V. (2010). PET waste management by chemical recycling: a review. *Journal of Polymers and the Environment*, 18(1), 8-25.
- Sirait, M. (2015). Kajian Pemanfaatan Sampah Plastik melalui Teknologi Daur Ulang. *Jurnal Teknik Kimia USU*, 4(3), 45-52.
- Sutowo, C., Wibowo, A., & Prasetyo, H. (2020). Desain dan Analisis Kekuatan Rangka Mesin Pencacah Plastik Kapasitas 50 kg/jam Dengan Metode VDI 2222. *Jurnal Riset Teknologi Industri*, 14(3), 189-197.
- Takeuchi, H., & Nonaka, I. (2016). The new new product development game. *Harvard Business Review*, 64(1), 137-146.
- Ulrich, K. T., & Eppinger, S. D. (2016). *Product Design and Development* (6th ed.). McGraw-Hill Education.
- VDI-Gesellschaft Entwicklung Konstruktion Vertrieb. (1997). VDI 2222 Blatt 1: Methodisches Entwickeln von Lösungsprinzipien. VDI-Verlag.
- Wahyono, S. (2018). Analisis Ekonomi Mesin Pengolah Sampah Plastik Skala Kecil dan Menengah. *Jurnal Teknologi Lingkungan*, 19(1), 89-96.
- Wang, Y., & Zhang, L. (2022). Research on the Design of Plastic Shredding Machine Based on the Reel Cutting Principle. *Journal of Cleaner Production*, 330, 129-135. DOI: 10.1016/j.jclepro.2021.129135.

- Wardhono, A., Sari, D.P., & Rahman, A. (2019). Rancang bangun mesin pencacah plastik PET untuk mendukung industri daur ulang. *Jurnal Teknik Mesin Indonesia, 14(2), 78-85.
- Wardi, I. N., Suyasa, W. B., & Sukarta, I. N. (2017). Pengelolaan Sampah Berbasis Komunitas: Studi Kasus di Desa Sanur, Bali. Jurnal Bumi Lestari, 17(1), 1-9.
- Webb, H. K., Arnott, J., Crawford, R. J., & Ivanova, E. P. (2013). Plastic degradation and its environmental implications with special reference to poly(ethylene terephthalate). Polymers, 5(1), 1-18.
- Widodo, S., Cahyono, E., & Putri, R. (2022). Rancang Bangun Mesin Pencacah Plastik Portable Dengan Metode VDI 2222. Jurnal Ilmiah Teknik Mesin, 10(2), 123-135.