

DAFTAR PUSTAKA

- [1] H. N. J. Schifferstein, A. de Boer, and M. Lemke, "Conveying information through food packaging: A literature review comparing legislation with consumer perception," *J. Funct. Foods*, vol. 86, p. 104734, 2021, doi: <https://doi.org/10.1016/j.jff.2021.104734>.
- [2] A. Conte, L. Angiolillo, M. Mastromatteo, and M. A. Del Nobile, "Technological Options of Packaging to Control Food Quality," in *Food Industry*, I. Muzzalupo, Ed. Rijeka: IntechOpen, 2013, p. Ch. 16. doi: 10.5772/53151.
- [3] Z. Boz, V. Korhonen, and C. K. Sand, "Consumer considerations for the implementation of sustainable packaging: A review," *Sustain.*, vol. 12, no. 6, Mar. 2020, doi: 10.3390/su12062192.
- [4] S. D. Mihindukulasuriya and L.-T. Lim, "Heat sealing of LLDPE films: Heat transfer modeling with liquid presence at film–film interface," *J. Food Eng.*, vol. 116, no. 2, pp. 532–540, 2013.
- [5] E. Planes, S. Marouani, and L. Flandin, "Optimizing the heat sealing parameters of multilayers polymeric films," *J. Mater. Sci.*, vol. 46, pp. 5948–5958, 2011.
- [6] K. Yamada, K. Miyata, R. Konishi, T. Tsujii, and Y. Hashimoto, "Heat seal processing by using various seal bar shape," in *AIP Conference Proceedings*, 2015, vol. 1664, no. 1, p. 080002.
- [7] C. F. Struller, P. J. Kelly, and N. J. Copeland, "Aluminum oxide barrier coatings on polymer films for food packaging applications," *Surf. Coatings Technol.*, vol. 241, pp. 130–137, 2014, doi: 10.1016/j.surfcoat.2013.08.011.
- [8] S. Farris and L. Piergiovanni, "Emerging coating technologies for food and beverage packaging materials," in *Emerging food packaging technologies*, Elsevier, 2012, pp. 274–302.
- [9] S. Mihindukulasuriya and L. Lim, "Effects of liquid contaminants on heat seal strength of low-density polyethylene film," *Packag. Technol. Sci.*, vol. 25, no. 5, pp. 271–284, 2012.
- [10] D. Aithani, H. Lockhart, R. Auras, and K. Tanprasert, "Predicting the strongest peelable seal for 'easy-open' packaging applications," *J. Plast. Film Sheeting*, vol. 22, no. 4, pp. 247–263, 2006, doi: 10.1177/8756087906071351.
- [11] M. Nase, S. Bach, A. Zankel, J. Majschak, and W. Grellmann, "Ultrasonic sealing versus heat conductive sealing of polyethylene/polybutene-1 peel films," *J. Appl. Polym. Sci.*, vol. 130, no. 1, pp. 383–393, 2013.
- [12] E. Djonaedi, D. Ayu, and D. Handayani, "Variasi Temperatur terhadap Perubahan Nilai Kekuatan Seal pada Material Kemasan Lentur Multi Layer PET-ALU FOIL-LDPE," *J. Poli-Teknologi*, vol. 18, no. 3, pp. 255–260, 2019.
- [13] F. A. Yahya, G. Soebiyakto, and N. R. Ismail, "Pengaruh temperatur dan tekanan terhadap daya rekat aluminium foil pada bahan pengemas obat," in *Conference on Innovation and Application of Science and Technology (CIASTECH)*, 2019, vol. 2, no. 1, pp. 281–286.
- [14] B. Budianto, Y. Dwi Adhi H, and S. Max Yuda, "Analisa Pengaruh

- Temperatur Sealing terhadap Kuat Tarik dan Gugus Fungsi pada Material Komposit LDPE-NILON-AL sebagai Fleksibel Packaging,” *J. Rekayasa Energi dan Mek.*, vol. 2, no. 1, p. 54, 2022, doi: 10.26760/jrem.v2i1.54.
- [15] C. Ge, S. S. Verma, J. Burruto, N. Ribalco, J. Ong, and K. Sudhahar, “Effects of flexing, optical density, and lamination on barrier and mechanical properties of metallized films and aluminum foil centered laminates prepared with polyethylene terephthalate and linear low density polyethylene,” *J. Plast. Film Sheeting*, vol. 37, no. 2, pp. 205–225, Oct. 2020, doi: 10.1177/8756087920963532.
- [16] “Standard Test Method for Seal Strength of Flexible Barrier Materials 1”, doi: 10.1520/F0088_F0088M-15.
- [17] A. Sastranegara, “Mengenal Uji Tarik dan Sifat-sifat Mekanik Logam,” *Situs Inf. Mek. Mater. dan manufaktur*, 2009.
- [18] R. D. Salindeho, J. Soukotta, and R. Poeng, “Pemodelan pengujian tarik untuk menganalisis sifat mekanik material,” *J. POROS Tek. MESIN UNSRAT*, vol. 2, no. 2, 2013.
- [19] W. Lim and H.-K. Kim, “Design and development of a miniaturised tensile testing machine,” *Glob. J. Eng. Educ.*, vol. 15, no. 1, pp. 48–53, 2013.
- [20] J. M. Gere, S. P. Timoshenko, W. Hardani, and B. Suryoatmono, *Mekanika bahan*. Erlangga, 2000.
- [21] S. Sukarman *et al.*, “Optimization of tensile-shear strength in the dissimilar joint of zn-coated steel and low carbon steel,” *Automot. Exp.*, vol. 3, no. 3, pp. 115–125, 2020.
- [22] N. Rahdiana and A. suhara, “Analisis Spring-back dan Spring-go pada Variasi Sudut V-Dies Bending Menggunakan Material Baja Lembaran SGCC Galvanized Analysis of Spring-back and Spring-go on Variation of V-Dies Bending Angle Using Galvanized SGCC Steel Sheet,” *J. Tek. Mesin Mech. Xplore Mech. Eng.*, vol. 3, no. 1, pp. 17–25, 2022, [Online]. Available: <https://journal.ubpkarawang.ac.id/index.php/JTMMX>
- [23] S. Sukarman and A. Abdulah, “Optimasi parameter resistance spot welding pada pengabungan baja electro-galvanized menggunakan metode Taguchi,” *Din. Tek. Mesin*, vol. 11, no. 1, p. 39, 2021, doi: 10.29303/dtm.v11i1.372.
- [24] Paloboran Marthen and M. H. Yahya, “Mekanika Bahan Teknik Mesin,” no. September, p. 31, 2021.
- [25] B. Kristiawan, N. Fazrin, and A. Suhara, “Mechanical Engineering for Society and Industry Tensile shear load in resistance spot welding of dissimilar metals: An optimization study using response surface methodology,” vol. 3, no. 2, pp. 66–77, 2023.
- [26] T. Surdia and S. Saito, “Pengetahuan Bahan Teknik, Cetakan Ke-4,” *Jakarta, PT. Pradnya Paramita*, 1999.
- [27] T. Iwasaki, W. Takarada, and T. Kikutani, “Effect of processing conditions on heat seal strength for peelable heat sealing of multilayered polyethylene films with different sealant layers,” *J. Macromol. Sci. Part B*, vol. 56, no. 9, pp. 709–723, 2017.
- [28] C. S. Yuan, A. Hassan, M. I. Ghazali, and A. F. Ismail, “Heat-seal strength analysis of laminated films with LLDPE and ldpe sealant materials in bar sealing application,” in *FEIIC Seminar on Engineering and Technology*, 2006, pp. 4–5.

- [29] Z. Najarzadeh and A. Ajji, "A novel approach toward the effect of seal process parameters on final seal strength and microstructure of LLDPE," *J. Adhes. Sci. Technol.*, vol. 28, no. 16, pp. 1592–1609, 2014.
- [30] P. Tongnuanchan, S. Benjakul, T. Prodpran, S. Pisuchpen, and K. Osako, "Mechanical, thermal and heat sealing properties of fish skin gelatin film containing palm oil and basil essential oil with different surfactants," *Food Hydrocoll.*, vol. 56, pp. 93–107, 2016.
- [31] C. Liu *et al.*, "Heat sealable soluble soybean polysaccharide/gelatin blend edible films for food packaging applications," *Food Packag. Shelf Life*, vol. 24, p. 100485, 2020.
- [32] O. V López, C. J. Lecot, N. E. Zaritzky, and M. A. García, "Biodegradable packages development from starch based heat sealable films," *J. Food Eng.*, vol. 105, no. 2, pp. 254–263, 2011.

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KARAWANG