

DAFTAR PUSTAKA

- Battiato, A., & Diserens, E. (2017). Effect of wheel slip on fuel consumption and field efficiency in agricultural traction. *Biosystems Engineering*, 156, 108–120.
- Bechar, A. & Vigneault, C. (2016). Agricultural robots for field operations: Concepts and components. *Biosystems Engineering*, 149, 94-111. DOI: 10.1016/j.biosystemseng.2016.06.014.
- Gebbers, R., & Adamchuk, V. I. (2010). Precision Agriculture and Food Security. *Science*, 327(5967), 828–831.
- Godwin, R. J., & O’Dogherty, M. J. (2007). Soil penetration and traction mechanics in tillage operations. *Journal of Terramechanics*, 44(2), 117–128.
- Grisso, R. D., Kocher, M. F., & Vaughan, D. H. (2014). Fuel Efficiency of Agricultural Tractors. *Applied Engineering in Agriculture*, 30(5), 651–662.
- Grisso, R. D., Kocher, M. F., Vaughan, D. H., & Werner, J. (2002). Field efficiency determination using traffic pattern indices. *Applied Engineering in Agriculture*, 18(2), 171–178. <https://doi.org/10.13031/2013.7781>
- Han, S., Zhang, Q., & Ni, B. (2018). Sensor fusion for vehicle navigation: A review. *IEEE Transactions on Intelligent Transportation Systems*, 19(12), 4408– 4425. <https://doi.org/10.1109/TITS.2018.2839660>
- Hanif, R., Kusnadi, D., & Santosa, P. (2015). Analisis kinerja traktor roda empat dengan implement bajak piring pada berbagai kondisi tanah. *Jurnal Keteknik Pertanian*, 3(2), 45–52.
- Harris, G., & Fulton, J. P. (2016). Machinery Management: Field Efficiency and Capacity. Alabama Cooperative Extension System, ANR-1346.
- Hillel, D. (2004). Introduction to Environmental Soil Physics. Elsevier.
- Hunt, D. (2001). Farm Power and Machinery Management (9th ed.). Iowa State University Press.
- Kementerian Pertanian. (2020). Pedoman Pengelolaan dan Pemberdayaan UPJA. Jakarta: Kementan.
- Kepner, R. A., Bainer, R., & Barger, E. L. (1978). Principles of Farm Machinery (2nd ed.). Westport, Connecticut: AVI Publishing Company.
- Liakos, K. G., Busato, P., Moshou, D., Pearson, S., & Bochtis, D. (2018). Machine Learning in Agriculture: A Review. *Sensors*, 18(8), 2674.
- Mulla, D. J. (2013). Twenty-five years of remote sensing in precision agriculture: Key advances and remaining knowledge gaps. *Biosystems Engineering*, 114(4), 358–371.

- Noguchi, N., Takai, R., & Reid, J. F. (2011). Autonomous tractor navigation using RTK-GPS and sensor fusion techniques in field operations. *Biosystems Engineering*, 109(1), 1–15. <https://doi.org/10.1016/j.biosystemseng.2010.10.001>
- Nurhayati, T., Widodo, S., & Prasetyo, A. (2021). Analisis Akurasi Sistem Kemudi Otomatis pada Traktor Pertanian Menggunakan Teknologi GPS Diferensial. *Jurnal Mekanisasi Pertanian*, 16(2), 55–63.
- O'Connor, M., Bell, T., Elkaim, G., & Parkinson, B. (2010). High-accuracy GNSS for precision agriculture. *Journal of Navigation*, 63(1), 1–14.
- Oksanen, T., & Visala, A. (2009). Coverage path planning algorithms for agricultural field machines. *Journal of Field Robotics*, 26(8), 651–668.
- Quick. (2024). Traktor Quick A360 – Spesifikasi dan Implement Rotary. PT Karya Hidup Sentosa. Diakses dari: <https://quick.co.id>
- Smith, H., & Wilkes, J. (2019). *Rotary Tillage Equipment and Soil Dynamics*. Springer.
- Taboada, M. A., Barbosa, S., & Rodríguez, J. (2018). Tractor field efficiency and fuel consumption variability due to operator skill and field shape. *Engineering in Agriculture, Environment and Food*, 11(1), 12–21. <https://doi.org/10.1016/j.eaef.2017.10.003>
- Universitas Medan Area. “Pertanian Presisi: Mengapa Indonesia Harus Mengadopsi Teknologi Baru?” Fakultas Pertanian, Universitas Medan Area, 7 Juli 2025, <https://pertanian.uma.ac.id/2025/07/07/pertanian-presisi-mengapa-indonesia-harus-mengadopsi-teknologi-baru/>
- Wikipedia Contributors. (2024). Real-time kinematic positioning. Wikipedia. Diakses dari https://en.wikipedia.org/wiki/Real-time_kinematic_positioning
- Zheng, S., et al. (2025). Discrete Element–Based Design of a High-Speed Rotary Tiller. *Agriculture*, 15(3), 269.