



DAFTAR PUSTAKA

- Alahudin, M., A. Topan, Wahida, D. D. Sarkol dan Didik. (2013). Evaluasi Kondisi Termal Bangunan *Greenhouse* dengan Material Atap Polycarbonat. *Jurnal Pertanian*, 3(1):26-42.
- Anthony, MB (2019) Pengukuran Produktivitas Dengan Menggunakan Metode Objective Matrix di PT.ABC. *Jurnal Ilmiah Teknik dan Manajemen Industri Universitas Kadiri Vol. 3 No. 1 Oktober 2019*, hal 13 – 30. ISSN 2597-7946 (Online)
- Badawy et al. (2016) A Survey on Exploring Key Performance Indicators. *Future Computing and Informatics Journal* 1, 47-52
- Bailey, D. S. and Ferrarezi, R. S. (2017). Valuation of vegetable crops produced in the UVI Commercial Aquaponic System. *Aquaculture Reports*, 7, 77-82.
- Banerjee, J., & Buoti, C. (2012). General Specifications of KPIs. International Telecommunication Union.
- Bank Indonesia. (2021). Laporan Ekonomi dan Keuangan Syariah 2021. ISSN: 2722-8665
- Bank Indonesia. (2022). Kajian Ekonomi dan Keuangan Syariah 2022: Sinergi Dan Inovasi: Meningkatkan Kontribusi Ekonomi Dan Keuangan Syariah. ISSN: 2722-8665
- Bernard, Marr (2016) 25 Key Performance Indicators yang Harus Diketahui. Jakarta: Elex Media Komputindo
- Bruzo, Jeshurun. (2018). 21st-Century Human Resource Management Strategic Planning and Legal Issues. Holy Angel University: Chapter 8, page 287 - 288
- Budiyanto, Hery., Haris, M., Setiawan, AB., Budiyantoputra MIN. 2020. *Greenhouse* Bambu untuk Tanaman Sayur Hidroorganik dengan Listrik Tenaga Surya. Malang: Penerbit Selaras Media Kreasindo



Cahyawati A, Prastuti N. 2018. Analisis Pengukuran Waktu Kerja Pada Proses Packing Kasa Hidrofil Menggunakan Metode Stopwacth Time Study. Teknik Industri. Universitas Brawijaya, Malang.

Dewi, IHP Pratama HP, dan Sari NTA (2021) Framework Design IoT for Smart Agriculture. Jurnal Sistem Cerdas(2021) Vol 04-No 01eISSN : 2622-8254 Hal :1-8

Didien, S., Arnolt, K. P., & Arum, T. A. (2015). Pengukuran Produktivitas Lini Produksi Produk Panel Box Pt. Dwimukti Graha Elektrindo Dengan Menggunakan Metode Objective Matrix (Omax) Dan menggunakan Metode Objective Matrix (Omax) Dan Perbaikan Produktivitas. Jurnal Teknik Industri, Universitas Trisakti.

Engle, C. R. (2015). Economics of Aquaponics. SRAC publication - southern regional aquaculture centre, No. 5006(5006), 4.

Erdhianto, Y dan Basuki Gatot). (2019). Analisa Produktivitas Pada PT. Pekebunan Nusantara (Ptpn) X Pg Kremboong Dengan Metode Objective Matrix (Omax). 2019, Kaizen: Management Systems & Industrial Engineering Journal ISSN 15222-96806 (print), ISSN 155222-95973 (online)

Fereira, S, F. J. G. Silva, R. B. Casais, M. T. Pereira, L. P. Ferreira. (2019). KPI development and obsolescence management in industrial maintenance. 29th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM2019), June 24-28, 2019, Limerick, Ireland. Published by Elsevier B.V.

Fithri, P., dan Firdaus, I. (2016). Analisis Produktifitas Menggunakan Metode ObjectiveMatrix (OMAX) (Studi Kasus: PT. Moradon Berlian Sakti). Jurnal Optimasi Sistem Industri, 13(1), 548.

<https://doi.org/10.25077/josi.v13.n1.p548-555.2014>.

Fithri, P & Sari, R. (2015). Analisis Pengukuran Produktivitas Perusahaan Alsintan Cv. Cherry Sarana Agro. Jurnal Optimasi Sistem Industri, Vol. 14 No. 1, April 2015: 138-155

Fujishima, M., (2020). Promotion of realization of smart factories and development & sales promotion of industrial IoT products by applying IoT introduction level “SMKL”. Mitsubishi Electric Technical Report 94 (4), 211–214.



- Hřebíček, J, Popelka, O, Štencl, M., Trenz, O. (2012) Corporate Performance Indicators For Agriculture And Food Processing Sector. *Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis*. Volume LX
- Islami, A.C, Kunaifi A dan Gunawan J (2017) Ragam Pengukuran Kinerja pada Usaha Mikro, Kecil, dan Menengah (UMKM) di Surabaya. *JURNAL SAINS DAN SENI ITS* Vol. 6, No. 2 (2017) ISSN: 2337-3520 (2301-928X Print)
- Johnson, M, (2016). Suistainable Backyard Gardening: An Investigation into The Feasibility of Implementing a Small-Scale Aquaponic System for Household Consumption (Doctoral dissertation, University of Coloardo at Boulder)
- J. S. Ani, F. O. Masese, J. O. Manyala and K. Fitzsimmons. (2021). Assessment of the Performance of Aquaponics and its Uptake for Integrated Fish and Plant Farming in Sub-Saharan Africa. *AER Journal* Volume 4, Issue 2, pp. 123-138, Aug, 2021
- Kadir, A. (2012). Rancang Bangun Smart *Greenhouse* Dengan Metode Expert System. Makassar: Universitas Hasanuddin.
- Kementan (2021). Standar Minimal *Greenhouse*. Direktorat Sayuran dan Tanaman Obat Direktorat Jenderal Hortikultura Kementerian Pertanian. ISBN : 978-602-8591-46-1
- Kirkaya, A. (2020). Smart Farming-Precision Agriculture Technologies And Practices. *Journal of Scientific Perspectives*. DOI: <https://doi.org/10.26900/jsp.4.010>
- Mahmudi, B. Surarso, and A. Subagio. (2014). "Kombinasi Balanced Scorecard dan Objective Matrix Untuk Penilaian Kinerja Perguruan Tinggi," *J. Sist. Inf. Bisnis*, vol. 4, no. 1, pp. 1–10, 2014, doi: 10.21456/vol4iss1pp01-10.
- Morib, M. A. (2012). Kelayakan Bangunan Rumah Tinggal Sederhana (Setengah Bata) Terhadap Kerusakan Akibat Gempa. *Majalah Ilmiah UKRIM*, Edisi 1/ th XVII/2012, 67-74.
- Mutia, Mega. (2014). Pengukuran Beban Kerja Fisiologis dan Psikologis pada Operator Pemetikan Teh dan Operator Produksi Teh Hijau di PT Mitra Kerinci. *Jurnal Optimasi Sistem Industri*, Vol. 13 No. 1, April 2014:503-517



Nakano, S., Washizu, A., (2018). Induced Effects of Smart Food/Agri-Systems in Japan: Towards a Structural Analysis of Information Technology. *Telecommun Policy* 42 (10), 824–835.
<https://doi.org/10.1016/j.telpol.2018.08.001>.

Nazareta, F, Fauziyah, Soepriyanto, G (2022) *Smart Agriculture*: Pengendalian Kelembapan Dan Suhu Pada Penyiraman Otomatis Tanaman Berbasis IoT. *Jurnal Teknik Informatika dan Sistem Informasi* Vol. 9, No. 2, Juni 2022, Hal. 839-854 E- ISSN 2503-2933

Nurmaydha, A. (2017). Analisis Produktivitas Pada Bagian Produksi Gondorukem dan Terpenting Menggunakan Metode Objective Matrix (Omax) (Studi Kasus Di Pgt Sukun Ponorogo Kesatuan Bisnis Mandiri Industri Non Kayu (KBM-INK) Perum Perhutani Unit II Jawa Timur). *Agroindustrial Technology Journal*, 1(1), 43–55. Retrieved from <https://ejournal.unida.gontor.ac.id/index.php/atj/article/view/1839>.

Nurwantara, MP, Deoranto, P dan Effendy, M (2018) Productivity Analysis of Coffee Production Process with Objective Matrix (Omax) Method (The Case Study at PT. Perkebunan Kandangan, Pulosari Panggangsari, Madiun). SEAS (Sustainable Environment Agricultural Science) E-ISSN 2614 – 0934 Vol. 2, Number 1, April 2018, pages: 18 – 26
DOI: <http://dx.doi.org/10.22225/seas.2.1.538.18-26>

Pakpahan, K. Arnold, Suhardini D, Ehsy, P. Increasing The Productivity at PT Hamson Indonesia. Jurusan Teknik Industri, Fakultas Teknologi Industri, Universitas Trisakti. Vol. 06 No. 24, Okt-Des 2017

Philip A A, Abalo, EE, A J Dougill, FB -Ata. (2022). Motivations, enablers and barriers to the adoption of climate-smart agricultural practices by smallholder farmers: Evidence from the transitional and savannah agroecological zones of Ghana. Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences. Publishing services by Elsevier B.V. on behalf of KeAi. <https://doi.org/10.1016/j.regsus.2022.01.005>

Putra, R.S dan Suliantoro, H. (2013). Perancangan Sistem Pengukuran Kinerja Menggunakan “Sink And Tuttle Model” (Studi Kasus Pada Pabrik Gula Rendeng, Kudus). Program Studi Teknik Industri Universitas Diponegoro

Rachmat, M. dan Nuryanti, S. (2014). Daya saing produk olahan pertanian: ubikayu, pisang dan jeruk. hlm. 401-425.



Ramady, GD, Mahardika, AG, Lestari, NS, Muntiyono, Fadriani, H, Yusuf, H. (2020) Perancangan Model Simulasi Smart Agriculture System Sebagai Media Pembelajaran Berbasis IoT. Bandung: Sekolah Tinggi Teknologi Mandala. Prosiding Seminar Nasional Riset Teknologi Terapan

Sari, YA, Rahayu, N, Hadiguna, RA, Suyono, H. (2021) Precision Agriculture 4.0 for Smart Farming in Indonesia. Journal of Physics: Conference Series, Volume 1942.
<https://doi.org/10.1088/1742-6596/1942/1/012031>

Sihombing, Lucas, B. (2019). Standar Indikator Pengukuran Produktivitas Kerja Konstruksi. <https://www.researchgate.net/>

Sinungan, Muchdarsyah. (2014). Produktivitas: Apa dan Bagaimana. Jakarta: Bumi Aksara

Suryana, Achmad. (2015). Menuju ketahanan pangan indonesia berkelanjutan 2025: tantangan dan penanganannya. Forum penelitian agro ekonomi, Volume 32 No. 2, Desember 2015: 123 – 135

Susanti dan Palupiningdyah. (2016). Pengaruh Kepuasan Kerja dan Komitmen Organisasi Terhadap Kinerja Karyawan dengan Turnover Intension sebagai Variabel Intervening. Manajemen Analysis Journal, 5(1).

Sitanggang & Imas Sukaesih. (2021) Department of Computer Science <http://cs.ipb.ac.id/>, Pengenalan Pertanian Cerdas, Laboratorium Sistem Cerdas Departemen Ilmu Komputer dan Elektronika FMIPA UGM 15 Februari 2021

Stadler, M. M., Baganz, D., Vermeulen, T. and Keesman, K. J. (2017). Circular economy and economic viability of aquaponic systems: Comparing urban, rural and peri-urban scenarios under Dutch conditions. In Proceedings of ICESC2015: Hydroponics and Aquaponics at the Gold Coast. Acta Horticulturae 1176: 101-114.

Telaumbanua, M. (2014). Rancang Bangun Aktuator Pengendali Iklim Mikro di Dalam *Greenhouse* Untuk Pertumbuhan Tanaman Sawi. Agritech Vol.34, 213-222.



Tim Perumus Kebijakan Ekonomi dan Keuangan Daerah. (2021). Laporan Perekonomian Daerah Istimewa Yogyakarta Mei 2021. Yogyakarta: Bank Indonesia

Tokunaga, K., Tamaru, C., Ako, H. and Leung, P. (2015). Economics of small-scale commercial aquaponics in Hawai ‘i. Journal of the world aquaculture society, 46(1), 20-32.

Tri, Lestari PW, Wahyuningsih, F, Narundana, VT (2021) Analisis Kinerja Karyawan Berdasarkan Key Performance Indicator Dengan Menggunakan Metode Human Resources Scorecard (HRSC) pada PT PLN (Persero) UP3 Tanjung Karang. MANEGGIO: Jurnal Ilmiah Magister Manajemen. Volume 4, Nomor 1 , Maret 2021. e-ISSN 2623-2634

Utomo, T.S, Trisakti, B, Sunyoto, A, Sugiono, T, Masykuri, AM. (2021). Development of Smart Agriculture Keizen Level (SAKL) for Precision Farming in Indonesia. The International Journal of Agricultural and Biological Engineering.

<https://doi.org/10.25165/j.ijabe.20171204.2811>

Washizu, A and Nakano, S. (2022). Exploring the characteristics of smart agricultural development in Japan: Analysis using a smart agricultural kaizen level technology map. Published by Elsevier B.V.

<https://doi.org/10.1016/j.compag.2022.107001>

Weihua, L Shangsong, L Siyu W, Ou T, Jiahe H, Jiahui Z. (2021). Effects of smart agricultural production investment announcements on shareholder value: Evidence from China. China Science Publishing & Media Ltd. Publishing Services by Elsevier B.V. on behalf of KeAi Communications Co. Ltd. <https://doi.org/10.1016/j.jmse.2021.12.007>

Wolfert S, Ge L, Verdouw C, Verdouw, C, Bogaardt, MJ (2017) Big data in smart farming—a review. Agric Syst; 153: 69–80.