DAFTAR PUSTAKA

Agustya, A.D., Handayani, R.W., & Sani, M.I. (2019). Sistem Kendali dan *Monitoring* Lingkungan Rumah Kaca dengan Metode IoT (*Internet of Things*).

Amrillah, M.F. (2017). Rancang bangun kendali cahaya dan irigasi greenhouse untuk budidaya bunga chrysanthemum sp berbasis humidity sensor.

Amuddin, O., & Sumarsono, J. (2015). Rancang Bangun Alat Penyiraman Tanaman Dengan Pompa Otomatis Sistem Irigasi Tetes Pada Lahan Kering *Design Tools Watering Plants with Automatic Pump to Drips Irrigation System for Dry Land*. In *Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem* (Vol. 3, Issue 1).

Andalas, T., & Fandeli, I.C. (2011). Kemampuan Penyerapan Karbon Dioksida Di Udara Oleh Tanaman *Sansevieria Trifasciata* Dan Sansevieria Hyacinthoides Serta Penerapannya Di Kelurahan Gowongan, Kec. Jetis, Yogyakarta.

Arsa, I. G. N. W. (2019). Analisis sistem Cloud Computing IAAS penyedia server cloud dengan standar NIST Special Publication 800-145. Jurnal Sistem dan Informatika (JSI), 13(2), 52-58.

Aune, J. B., Coulibaly, A., & Giller, K. E. (2017). Precision Farming For Increased Land And Labour Productivity In Semi-Arid West Africa. A Review. *Agronomy For Sustainable Development*, *37*(3). Https://Doi.Org/10.1007/S13593-017-0424-Z.

Azizi, M., & Agus, M. R. (2014). Perancangan Sistem Pengendalian Suhu Pada Prototype Green House Berbasis Kendali Logika Fuzzy.

Balafoutis, A., Beck, B., Fountas, S., Vangeyte, J., Van Der Wal, T., Soto, I., Gómez-Barbero, M., Barnes, A., & Eory, V. (2017). *Precision Agriculture Technologies Positively Contributing to Ghg Emissions Mitigation, Farm Productivity and Economics*. In *Sustainability (Switzerland)* (Vol. 9, Issue 8). MDPI. Https://Doi.Org/10.3390/Su9081339.

Bimantio, M.P., Putra, D.P., Suparyanto, T., Ferhat, A., Nugraha, N.S., Hidayat, A.A., & Pardamean, B. (2022). Digitizing Farmers' Land Data Collection Systems in Indonesia with the Use of Tani Millenial Apps. 2022 4th International Conference on Cybernetics and Intelligent System (ICORIS), 1-5.

Bonde, G. M., Ludong, D. P. M., & Najoan, M. E. I. (2021). *Smart Agricultural System in Greenhouse Based on Internet of Things for Lettuce* (Lactuca Sativa L.). *Jurnal Teknik Elektro Dan Komputer*, *10*(1), 9–16.

Faisol, A., Indarto, I., Novita, E., & Budiyono, B. (2021). An Evaluation of MODIS Global Evapotranspiration Product as Satellite-Based Evapotranspiration Data for Supporting Precision Agriculture in West Papua - Indonesia.

Faroka, Faiz., S. Kudang., M. P. (2013). Pengaruh Adopsi Teknologi PHSL (Pemupukan Hara Spesifik Lokasi) Berbasis Pertanian Presisi Terhadap

Pendapatan Petani Padi Di Desa Jembungan, Kabupaten Boyolali, Jawa Tengah.

Friadi, R. (2019). Sistem Kontrol Intensitas Cahaya, Suhu Dan Kelembaban Udara Pada *Greenhouse* Berbasis Raspberry PI. In *JTIS* (Vol. 2, Issue 1).

Gebbers, R., & Adamchuk, V. I. (2010). Precision Agriculture and Food Security. In *Science* (Vol. 327, Issue 5967, Pp. 828–831). Https://Doi.Org/10.1126/Science.1183899.

Ghozali, I. (2016). Aplikasi Analisis *Multivariete* Dengan Program IBM SPSS 23 (Edisi 8). Semarang: Badan Penerbit Universitas Diponegoro.

He J, Jawahir NKB, Qin L. Quantity of supplementary LED lightings regulates photosynthetic apparatus, improves photosynthetic capacity and enhances productivity of Cos lettuce grown in a tropical greenhouse. Photosynth Res. 2021 Aug;149(1-2):187-199. doi: 10.1007/s11120-020-00816-w. Epub 2021 Jan 21. PMID: 33475915.

Hermawan, H., Kurniawan, E.W., Hanip, M., & Arrizqi, A.N. (2022). Variabel Termal dan Kandungan CO_2 Di Dalam Rumah Tinggal Modern Di Kalibeber, Wonosobo. *Jurnal Ilmiah Arsitektur*.

Herry Suhardiyanto. (2009). Teknologi Rumah Tanaman Untuk Iklim Tropika Basah: Permodelan Dan Pengendalian Lingkunganoleh. Bogor: IPB Press.

Ichsan, Muhammad., Z. (2020). Jurnal Vocational Teknik Elektronika Dan Informatika. *Jurnal Vocational Teknik Elektronika Dan Informatika*, *8*(4), 81–85. Http://Ejournal.Unp.Ac.Id/Index.Php/Voteknika/.

Imantho, H., Seminar, K.B., Hermawan, W., & Saptomo, S.K. (2022). A Spatial Distribution Empirical Model of Surface Soil Water Content and Soil Workability on an Unplanted Sugarcane Farm Area Using Sentinel-1A Data towards Precision Agriculture Applications. Inf., 13, 493.

Jamaludin, D., Ahmad, D., Kamaruddin, R., & Jaafar, H.Z. (2014). Microclimate inside a Tropical Greenhouse Equipped with Evaporative Cooling Pads. *Pertanika Journal Of Science and Technology*, 22.

Jiao, X., Song, X., Zhang, D., Du, Q., & Li, J. (2019). Coordination between vapor pressure deficit and CO2 on the regulation of photosynthesis and productivity in greenhouse tomato production. Scientific Reports, 9.

Khafi, A. M., Erwanto, D., & Utomo, Y. B. (2019). Sistem Kendali Suhu Dan Kelembaban Pada *Greenhouse* Tanaman Sawi Berbasis Iot. In *Generation Journal* (Vol. 3, Issue 2).

Kim, S., Kim, H., Lee, S., & Kwon, J.K. (2022). Effect of Different Height of Side Vents on Microclimate in a Single-Span Greenhouse during Natural Ventilation. Journal of Bio-Environment Control.

Kumazaki, T., Ikeuchi, Y., & Tokairin, T. (2021). Relationship between positions of CO2 supply in a canopy of tomato grown by high-wire system and distribution of CO2 concentration in a greenhouse. Climate in Biosphere.

Kusuma, H.N. (2018). *AUTO HYDRO GREEN HOUSE BERBASIS INTERNET OF THINGS (IoT)*.

Kolo, T.N., Bala, L., Bili, O.P., Berek, Y.O., Mau, B.N., Naben, M.E., Nababan, D., & Kelen, Y.P. (2023). Rancang Bangun *Smart Greenhouse* untuk

Budidaya Tanaman Sawi Pakcoy (Brassica Rapa Subsp) Berbasis Android. *Methomika Jurnal Manajemen Informatika dan Komputerisasi Akuntansi*.

Koverda, P. (2020). The Ultimate Vapor Pressure Deficit (VPD) Guide. Pulse Grow. https://pulsegrow.com/blogs/learn/vpd.

Limbong, E. (2018). Pengontrol Tirai Jendela Menggunakan Sensor Bh1750 Berbasis Arduino Uno Sumatera Utara.

Malahayati (2018). Perbandingan Kemampuan Penyerapan Karbon Dioksida pada Tujuh Jenis Tanaman di Hutan Kota Bni, Tibang, Banda Aceh.

Mansur, M. (2012). Laju Penyerapan CO_2 pada Kantong Semar (*Nepenthes Gymnamphora Nees*) Di Taman Nasional Gunung Halimun-Salak, Jawa Barat.

Maulana, H., & Kanai, H. (2020). Development of Precision Agriculture Models for Medium and Small-Scale Agriculture in Indonesia. IOP Conference Series: Materials Science and Engineering, 879.

Mekki, M., Abdallah, O., Amin, M. B. M., Eltayeb, M., Abdalfatah, T., & Babiker, A. (2016). Greenhouse *Monitoring* and Control System Based on Wireless Sensor Network. *Proceedings - 2015 International Conference on Computing, Control, Networking, Electronics And Embedded Systems Engineering, ICCNEEE 2015*, 384–387. Https://Doi.Org/10.1109/ICCNEEE.2015.7381396.

Miah, M.A., Bell, R.W., Haque, E., Rahman, M.W., Sarkar, M., & Rashid, M.H. (2023). Conservation agriculture practices improve crop productivity and farm profitability when adopted by Bangladeshi smallholders in the Eastern Gangetic Plain. Outlook on Agriculture, 52, 11 - 21.

Muhsanati, Dkk. (2019). Perspektif Pertanian Tropika Basah: Potensi Dan Tantangannya Dalam Rangka Pertanian Berkelanjutan. *Buku Pokok-Pokok Pikiran Dosen Fakultas Pertanian Universitas Andalas*, 1–73.

Musayyanah, M., Indra Maya, Harianto, & Pauladie Susanto. (2022). *Monitoring* Dan *Controlling* PID Pada *Greenhouse* Strawberry Berbasis Internet Of Things (Iot). *Journal Of Computer Electronic and Telecommunication*, *3*(1). Https://Doi.Org/10.52435/Complete.V2i1.185.

Niam, A.G., & Suhardiyanto, H. (2019). Root-Zone Cooling in Tropical Greenhouse: a Review. IOP Conference Series: Materials Science and Engineering, 557.

Nuranisa, S., Sudiana, E., & Yani, E. (2020). Hubungan Umur dengan Biomassa, Stok Karbon Dioksida, Tegakan Pohon Duku (Lansium Parasiticum) Di Desa Kalikajar Kecamatan Kaligondang Kabupaten Purbalingga.

Prabowo, A.B. (2019). Sistem Kendali Suhu dan Kelembapan pada *Greenhouse* Untuk Tanaman Sawi Pola Hidroponik Berbasis Arduino Nano.

Priandana, K., & Wahyu, R.A. (2020). Development of Automatic Plant Irrigation System using Soil Moisture Sensors for Precision Agriculture of Chili. 2020 International Conference on Smart Technology and Applications (ICoSTA), 1-4.

Rahmawati, A. F., Tolle, H., & Rokhmawati, R. I. (2019). Pengembangan Sistem Informasi *Monitoring* Dan Evaluasi Hasil Kegiatan Pengawas Berbasis Web

(Studi Kasus: Dinas Pendidikan Kota Malang). *Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer*, 3(3), 2452-2458.

Rao, Krishna and Shubhanga, K.N. "*MAPE - An Alternative Fitness Metric For Prony Analysis Of Power System Signals*". *International Journal Of Emerging Electric Power Systems*, Vol. 19, No. 6, 2018, Pp. 20180091. Https://Doi.Org/10.1515/Ijeeps-2018-0091.

Rinjani, A.R., Setyaningsih, L., & Rusli, A.R. (2018). Potensi Serapan Karbon Di Jalur Hijau Kota Bogor.

Rizkiani, D.N., Sumadyo, A., & Marlina, A. (2020). Greenhouse Sebagai Wadah Penelitian Hortikultura pada Balai Penelitian Dan Pengembangan Tanaman Pangan Di Pemalang.

Rizkir, G. (2022). Sistem Monitoring dan Otomatisasi Pengontrolan Kelembaban Tanah, Kelembaban Udara dan Suhu Udara pada Tanaman Tomat Berbasis Web. Indonesian Journal of Applied Informatics.

Ristian, U., Ruslianto, I., Sari, K., & Dr. Hadari Nawawi, J. (2022). JEPIN (Jurnal Edukasi Dan Penelitian Informatika) Sistem *Monitoring Smart Greenhouse* Pada Lahan Terbatas Berbasis *Internet of Things* (Iot). *Jurnal Edukasi Dan Penelitian Informatika*, *8*(1), 87–94.

S, G.M., & Suhendra, S. (2022). Analisis Persebaran Karbon Dioksida di Ruang Kampus Universitas Batanghari. Jurnal Civronlit Unbari.

Sukamto, A. (2014). Manfaat Dan Tujuan Greenhouse. *Jurnal Agritech*. Vol. 34 (2): 213-222.

Salokhe, V.M., & Besar, B. (2006). Effect Of Screen Sizes On Performance Of An Adapted Greenhouse For Tomato Production In The Humid Tropics (Pengaruh Ukuran Screen Terhadap Kinerja Rumah Tanam Teradaptasi untuk Budidaya Tomat di Daerah Tropis).

Shamshiri, R., Ahmad, D., Ismail, W.I., Man, H.C., Zakaria, A.J., Yamin, M., & Beveren, P.J. (2016). Comparative Evaluation of Naturally ventilated Screenhouse and Evaporative Cooled Greenhouse based on Optimal Vapor Pressure Deficit.

Soleh, M. A., & Kokubun, M. (2018). Peningkatan Konsentrasi CO2 Dan Suhu Menyebabkan Penurunan Laju Pembukaan Stomata Serta Hasil Berat Kering Tanaman Kedelai. *Jurnal Agrotek Indonesia*, *3*(1). Https://Doi.Org/10.33661/Jai.V3i1.1164

Sondakh, J., Rembang, J. H. W., & Syahyuti, N. (2021). Karakteristik, Potensi Generasi Milenial Dan Perspektif Pengembangan Pertanian Presisi Di Indonesia. *Forum Penelitian Agro Ekonomi*, *38*(2), 155. Https://Doi.Org/10.21082/Fae.V38n2.2020.155-166.

Sorongan, E., Hidayati, Q., & Priyono, K. (2018). *Thingspeak* Sebagai Sistem *Monitoring* Tangki SPBU Berbasis *Internet Of Things*. *JTERA (Jurnal Teknologi Rekayasa)*, *3*(2), 219. Https://Doi.Org/10.31544/Jtera.V3.I2.2018.219-224.

Sukamto, A. (2014). Manfaat Dan Tujuan Greenhouse. *Jurnal Agritech*. Vol. 34 (2): 213-222.

Sugiarto, Y. (2003). Identifikasi Hubungan Penginderaan Jauh dan Fisiologi Tanaman untuk Menentukan Nilai NPP (Net Primary Production).

Syarief, S., Neparassi, W.B., & Nurwidiana, G.A. (2016). Sistem *Monitoring* Suhu dan Kelembaban Tanaman Cabai pada Greenhouse Berbasis Labview.

Suprayogi, I. (2013). Jaringan Saraf Tiruan Studi Kasus, P., DAS Siak Hulu. *Model Prediksi Liku Kalibrasi Menggunakan Pendekatan Jaringan Saraf Tiruan (JST)*. Http://Ce.Unri.Ac.Id.

Wang, H., Zhao, J., Duan, J., Wang, M., & Dong, Z. (2018). Greenhouse CO2 Control Based on Improved Genetic Algorithm and Fuzzy Neural Network. *Proceedings Of 2018 2nd IEEE Advanced Information Management, Communicates, Electronic and Automation Control Conference, IMCEC 2018*, 1537–1540. Https://Doi.Org/10.1109/IMCEC.2018.8469546.

Wang, L., Luo, H.X., Cao, J.H., Lu, K., Fang, J., & Chen, S. (2014). The Design of Intelligent Monitoring System on Tropical Greenhouse Crop Production Environment. Advanced Materials Research, 1073-1076, 530 - 534.

Yang, L., Liu, H., Cohen, S., & Gao, Z. (2022). Microclimate and Plant Transpiration of Tomato (Solanum lycopersicum L.) in a Sunken Solar Greenhouse in North China. Agriculture.

Zulfa, V. (2017). Optimasi Persebaran Suhu dan Kelembapan pada Iklim Mikro *Greenhouse* untuk Pertumbuhan Tanaman. *Tugas Akhir*. Departemen Fisika. Fakultas Matematika dan Ilmu Pengetahuan Alam. Institut Teknologi Sepuluh November. Surabaya.

Zulkarnain, A., Diyasa, I.G., & Akbar, F.A. (2021). Perancangan Alat Pengendalian Lingkungan *Greenhouse* Berbasis BLYNK. *Jurnal Penelitian*, 6, 12-22.