

DAFTAR PUSTAKA

- Adriantantri, E., & Irawan, J. D. (2018). Implementasi IoT Pada Remote Monitoring Dan Controlling Green House. *MNEMONIC*, 1(1), 56–60.
- Amuddin, & Sumarsono, J. (2015). Rancang Bangun Alat Penyiraman Tanaman Dengan Pompa Otomatis Sistem Irigasi Tetes Pada Lahan Kering. *Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem*, 3(1), 95–101.
- Anggara, B. T., Rohmah, M. F., & Sugianto. (2018). Sistem Pengukur Kelembaban Tanah Pertanian Dan Penyiraman Otomatis Berbasis Internet of Things (IoT). *Jurnal Ilmiah Universitas Islam Majapahit*, 1–8.
- Bazzi, C. L., Jasse, E. P., Graziano Magalhães, P. S., Michelon, G. K., de Souza, E. G., Schenatto, K., & Sobjak, R. (2019). AgDataBox API – Integration of data and software in precision agriculture. *Elsevier*, 10, 100327. <https://doi.org/10.1016/j.softx.2019.100327>
- Chaer, M. S. I., Abdullah, S. H., & Priyati, A. (2016). Aplikasi Mikrokontroler Arduino Pada Sistem Irigasi Tetes Untuk Tanaman Sawi (*Brassica juncea*). *Jurnal Ilmiah Rekayasa Pertanian Dan Biosistem*, 4(2), 228–238.
- Choirudin, R., & Adil, A. (2017). Implementasi Basis Data Terdistribusi Untuk Mendukung Integrasi Data Pada Perancangan Sistem Data Warehouse Universitas Widyatama. *Seminar Nasional TIK Dan Ilmu Sosial (SocioTech)*.
- Choirudin, R., & Adil, A. (2019). Implementasi REST API Web Service Dalam Membangun Aplikasi Multiplatform Untuk Usaha Jasa. *MATRIK*, 18(2), 284–293.
- Colezea, M., Musat, G., Pop, F., Negru, C., Dumitrascu, A., & Mocanu, M. (2018). CLUeFARM: Integrated web-service platform for smart farms. *Elsevier*, 154(April), 134–154. <https://doi.org/10.1016/j.compag.2018.08.015>
- Cooksey, B. (2014). Real-Time Communication. In B. Landers & D. Schreiber (Eds.), *An Introduction to APIs*. Zapier, Inc. Retrieved from <https://zapier.com/learn/apis/>
- Dariah, A., & Heryani, N. (2014). Pemberdayaan Lahan Kering Suboptimal untuk Mendukung Kebijakan Diversifikasi dan Ketahanan Pangan. *Jurnal Sumberdaya Lahan*, 1–16. <https://doi.org/10.2018/jsdl.v8i3.6477>
- Doshi, J., Patel, T., & Bharti, S. (2019). Smart Farming using IoT, a solution for optimally monitoring farming conditions. *Elsevier*, 160, 746–751. <https://doi.org/10.1016/j.procs.2019.11.016>
- Ghozaly, S. Al, & Sela, E. I. (2019). Implementasi REST API Pada Pusat Informasi Mahasiswa Universitas Teknologi Yogyakarta. *Jurnal Ilmiah Universitas Teknologi Yogyakarta*.

- Guna, P. I. A., Suyadnya, I. M. A., & Agung, I. G. A. P. R. (2018). Sistem Monitoring Penetasan Telur Penyu Menggunakan Mikrokontroler NodeMCU ESP8266 dan Protokol MQTT dengan Notifikasi Berbasis Telegram Messenger. *J-COSINE*, 2(2), 80–89.
- Gunawan, R., Andhika, T., & Hibatulloh, F. (2019). Sistem Monitoring Kelembapan Tanah, Suhu, pH dan Penyiraman Otomatis Pada Tanaman Tomat Berbasis Internet of Things. *TELEKONTRAN*, 7(1), 66–78. <https://doi.org/10.34010/telekontran.v7i1.1640>
- Hasibuan, Z. A. (2007). *Metodologi Penelitian Pada Bidang Ilmu Komputer Dan Teknologi Informasi*. Universitas Indonesia.
- Hochmuth, G. (2017). Drip Irrigation. In *A Guide to the Manufacture, Performance, and Potential of Plastics in Agriculture* (pp. 79–105). Elsevier Ltd. <https://doi.org/10.1016/B978-0-08-102170-5.00005-1>
- Husna, T., Putra, D. I., & Kasoep, W. (2018). Sistem Pengatur Irigasi Sawah Menggunakan Metode Irigasi Alternate Wetting and Drying Berbasis Teknologi Internet of Things. *JITCE (Journal of Information Technology and Computer Engineering)* |, 02(02), 92–100.
- IEEE Standard for A Smart Transducer Interface for Sensors and Actuators--Mixed-Mode Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats. (2004).
- Ilham, Norhikmah, & Alamsyah, D. U. Z. (2017). Implementasi Web Service Dalam Pencarian Objek Wisata Berbasis Android. *Jurnal Seminar Nasional Teknologi Informasi Dan Multimedia*, 4(5), 67–72.
- Junaidi, A. (2015). Internet of Things, Sejarah, Teknologi, Dan Penerapannya: Review. *JITTER (Jurnal Ilmiah Teknologi Informasi Terapan)*, 1(3), 62–66.
- Karim, F., Karim, F., Karim, F., & Karim, F. (2017). Monitoring system using web of things in precision agriculture. *Elsevier*, 110, 402–409. <https://doi.org/10.1016/j.procs.2017.06.083>
- Khanna, A., & Kaur, S. (2019). Evolution of Internet of Things (IoT) and its significant impact in the field of Precision Agriculture. *Elsevier*, 157(December 2018), 218–231. <https://doi.org/10.1016/j.compag.2018.12.039>
- Kiri, S. V., & Laponi, L. A. S. (2018). Otomatisasi sistem irigasi tetes berbasis arduino nano. *Jurnal Ilmiah Universitas Nusa Cendana*, 44–49.
- Koné, M. T., & McIver Jr., W. (2009). Semantic Web in E-Government. In *Encyclopedia of Information Science and Technology* (2nd ed., pp. 3433–3438). Information Science Reference.

- Kurniawan, D., Yaddarabullah, & Suprayitno, G. (2018). Implementasi Internet of Things pada Sistem Irigasi Tetes dalam Membantu Pemanfaatan Urban Farming. *The 7th University Research Colloquium*, 106–117.
- Kurniawan, E. (2014). Implementasi REST Web Service Untuk Sales Order Dan Sales Tracking Berbasis Mobile. *EKSIS*, 7(1), 1–12.
- Lakitan, B., & Gofar, N. (2013). Kebijakan Inovasi Teknologi untuk Pengelolaan Lahan Suboptimal Berkelanjutan. *Seminar Nasional Lahan Suboptimal*, 1–11.
- Lamm, F. R., Ayars, J. E., & Nakayama, F. S. (2007). Microirrigation Theory and Design Principles. In F. R. Lamm, J. E. Ayars, & F. S. Nakayama (Eds.), *Microirrigation for Crop Production* (1st ed., p. 1). Oxford, UK.
- Mahmoud, M. S., & Xia, Y. (2019). Cloud Computing. In *Networked Control Systems* (pp. 91–125). <https://doi.org/10.1016/B978-0-12-816119-7.00011-3>
- Muhayat. (2019). Perancangan Sistem Pertanian Cerdas Penyiram Tanaman Berbasis Soil Moisture Sensor Menggunakan Aplikasi Pemrograman Mikrokontroler Arduino Ide 1.8.9. *Chlorophyl*, 12(1), 44–54.
- Mulyani, A., & Sarwani, M. (2013). Karakteristik Dan Potensi Lahan Sub Optimal Untuk Pengembangan Pertanian Di Indonesia. *Jurnal Sumberdaya Lahan*, 7(1), 47–55. <https://doi.org/10.2018/jsdl.v7i1.6429>
- Nopriawan, R. (2018). Prototype Alat Pengendali dan Monitoring Tanaman Sebagai Pengembangan Smart Farming Berbasis Internet of Things (IoT). *Jurnal Ilmiah Universitas Teknologi Yogyakarta*.
- O'Grady, M. J., & O'Hare, G. M. P. (2017). Modelling the smart farm. *Elsevier*, 4(3), 179–187. <https://doi.org/10.1016/j.inpa.2017.05.001>
- Oliveira, R. A. De, Ramos, M. M., & Aquino, L. A. De. (2015). Irrigation Management. In *Sugarcane* (pp. 161–184). Elsevier Inc. <https://doi.org/10.1016/B978-0-12-802239-9.00008-6>
- Pattnaik, P. K., Kumar, R., Pal, S., & Panda, S. N. (2020). Solar-Powered Automated IoT-Based Drip Irrigation System. In P. K. Pattnaik, R. Kumar, S. Pal, & S. N. Panda (Eds.), *IoT and Analytics for Agriculture* (63rd ed.). Singapore: Springer.
- Pratiwi, N., Osmond, A. B., & M, R. (2018). Implementasi IoT Pada Alat Pemindai dan Deteksi Plat Nomor Ganjil Genap Berbasis Web dan Android IoT. *E-Proceeding of Engineering*, 5(3), 6171–6178.
- Putra, I. A. G. S. (2019). Implementasi Resource Traffic Management System pada Sistem Operasi Android Dan iOS. *Eksplora Informatika*, 85–94. <https://doi.org/10.30864/eksplora.v8i2.164>

- Rai, R. K., Singh, V. P., & Upadhyay, A. (2017). Irrigation Methods. In R. K. Rai, V. P. Singh, & A. Upadhyay (Eds.), *Planning and Evaluation of Irrigation Projects* (pp. 353–363). Academic Press. <https://doi.org/10.1016/B978-0-12-811748-4.00010-8>
- Ramadhan, F., Ardiansah, I., & Kastaman, R. (2019). Perancangan Purwarupa Alat Penyiraman Otomatis pada Tanaman Pisang dengan Internet of Things (IoT). *Jurnal Rekayasa Sistem Industri*, 8(2), 75–80.
- Ratnawati, & Silma. (2017). Sistem Kendali Penyiram Tanaman Menggunakan Propeller Berbasis Internet of Things. *Jurnal Inspiration*, 7(2), 143–154.
- Sekhar, P. K., & Uwizeye, V. (2012). Review of sensor and actuator mechanisms for bioMEMS. In *MEMS for Biomedical Applications* (pp. 46–77). Woodhead Publishing Limited. <https://doi.org/10.1533/9780857096272.1.46>
- Sethi, P., & Sarangi, S. R. (2017). Internet of Things: Architectures, Protocols, and Applications. *Journal of Electrical and Computer Engineering*, 2017, 1–25.
- Setiadi, D., & Muhaemin, M. N. A. (2018). Penerapan Internet of Things (IoT) Pada Sistem Monitoring Irigasi (Smart Irigasi). *Jurnal Infotronik*, 3(2), 95–102.
- Soni, A., & Ranga, V. (2019). API Features Individualizing of Web Services: REST and SOAP. *International Journal of Innovative Technology and Exploring Engineering*, 8(9S), 664–671. <https://doi.org/10.35940/ijitee.I1107.0789S19>
- Sumarudin, A., Putra, W. P., Ismantohadi, E., Supardi, & Qomarrudin, M. (2019). Sistem Monitoring Tanaman Hortikultura Pertanian di Kabupaten Indramayu Berbasis Internet of Things. *Jurnal Teknologi Dan Informasi*, 9(1), 45–54.
- Suo, H., Wan, J., Zou, C., & Liu, J. (2012). Security in the internet of things: A review. *2012 International Conference on Computer Science and Electronics Engineering, ICCSEE 2012*, 3, 648–651. <https://doi.org/10.1109/ICCSEE.2012.373>
- Sutrisno, N., & Heryani, N. (2019). Pengembangan Irigasi Hemat Air untuk Meningkatkan Produksi Pertanian Lahan Kering Beriklim Kering. *Jurnal Sumberdaya Lahan*, 13(1), 17–26. <https://doi.org/10.21082/jsdl.v13n1.2019.17-26>
- Talia, D., Trunfio, P., Marozzo, F., Talia, D., Trunfio, P., & Marozzo, F. (2011). Introduction to Cloud Computing. In *Data Analysis in the Cloud: Models, Techniques and Applications*.
- Tongke, F. (2013). Smart Agriculture Based on Cloud Computing and IOT. *Journal of Convergence Information Technology(JCIT)*, 8(2).
- Triantafyllou, A., & Bibi, S. (2019). An Architecture model for Smart Farming. *2019 15th International Conference on Distributed Computing in Sensor Systems (DCOSS)*, 385–392. <https://doi.org/10.1109/DCOSS.2019.00081>

- Verma, S., Gala, R., Madhavan, S., Burkule, S., Chauhan, S., & Prakash, C. (2018). An Internet of things (IoT) architecture for Smart Agriculture. *2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA)*, 1–4.
- Vermesan, O., Fries, P., Guillemin, P., Gusmeroli, S., Sundmaeker, H., Bassi, A., ... Doody, P. (2011). Internet of Things Strategic Research Roadmap. In *Internet of Things: Global Technological and Societal Trends* (pp. 9–52).
- Wolfert, S., Ge, L., Verdouw, C., & Bogaardt, M. (2017). Big Data in Smart Farming – A review. *Elsevier*, 153, 69–80. <https://doi.org/10.1016/j.agsy.2017.01.023>
- Xue-yuan, W. (2020). Irrigation Water Use Efficiency of Farmers and Its Determinants: Evidence from a Survey in Northwestern China. *Elsevier*, 9(9), 1326–1337. [https://doi.org/10.1016/S1671-2927\(09\)60223-6](https://doi.org/10.1016/S1671-2927(09)60223-6)
- Zamora-izquierdo, M. A., Santa, J., Martinez, J. A., Martinez, V., & Skarmeta, A. F. (2018). Smart farming IoT platform based on edge and cloud computing. *Elsevier*, 177, 1–14. <https://doi.org/10.1016/j.biosystemseng.2018.10.014>
- _____, < <https://www.ideaqu.com/co/coding/iot-and-its-applications-in-agriculture/>>, (20 Aug 2018, accessed 01 February 2020).
- _____, <<https://roy.gbiv.com/untangled/2008/rest-apis-must-be-hypertext-driven>>, (20 Oct 2008, accessed 15 February 2020).
- _____, < <https://www.phpflow.com/php/create-php-restful-api-without-rest-framework-dependency/>>, (28 Dec 2018, accessed 15 February 2020).
- _____, <<https://www.schuttelaar-partners.com/news/2017/smart-farming-is-key-for-the-future-of-agriculture>>, (19 Jun 2017, accessed 28 February 2020)
- _____, <<https://www.apo-tokyo.org/resources/articles/deep-learning-and-iot-based-pump-systems-for-precision-irrigation/>> (20 Aug 2019, accessed 30 March 2020)