

DAFTAR PUSTAKA

- Amalia, R. & Basuki, R., 2018. Soil Moisture Estimation using YL-69 Sensor and Arduino Uno Microcontroller. *Indonesian Journal of Electrical Engineering and Informatics (IJEI)*, 6(3), pp. 286-294.
- Brady, N. C. & Weil, R. R., 2008. *The nature and properties of soils*. 14th penyunt. Upper Saddle River, NJ: Pearson Prentice Hall.
- Brown, J. F. et al., 2008. The Vegetation Drought Response Index (VegDRI): A New Integrated Approach for Monitoring Drought Stress in Vegetation. *GIScience and Remote Sensing*, 45(1), pp. 16-46.
- Caesar, P. Y., 2016. Rancang Bangun Prototype Sistem Monitoring Kelembaban Tanah Melalui SMS Berdasarkan Hasil Penyiraman Tanaman “ Studi Kasus Tanaman Cabai dan Tomat ”. *Jurnal SemanTIK*, II(1), pp. 97-110.
- Campbell, G. S., 1985. *Soil physics with basic: Transport models for soil-plant systems*. s.l.:Elsevier.
- DeVries, D. A., 1963. Thermal Properties of Soils. Dalam: W. R. van Wijk, penyunt. *Physics of Plant Environment*. Amsterdam: North-Holland Publishing Company.
- Dieck, R. H., 2014. Measurement Accuracy. Dalam: R. J. Webster & H. F. Gabb, penyunt. *Measurement, Instrumentation, and Sensor Handbook*. Florida: CRC Press, pp. 67-80.
- Djumali, M. & Mulyaningsih, A., 2014. Perancangan Sistem Monitoring Kadar Air Tanah Berbasis Internet of Things. *Jurnal Ilmiah Teknik Elektro*, 12(1), pp. 57-65.
- Doebelin, E. O., 1990. *Measurement Systems, Application and Design*. 4th penyunt. New York: McGraw-Hill.
- Dorf, R. C. & Svoboda, J. A., 2016. *Introduction to Electric Circuits*. 9th penyunt. John Wiley & Sons, Inc: New Jersey.
- Duley, F. L. & Kelly, L. L., 1941. *Surface Conditions of Soil and Time of Application as Related to Intake of Water*. s.l., USDA Circular 608.
- Erianto, M., 2013. *Agroklimatologi*. Jakarta: Penebar Swadaya.
- FAO, 2006. *Guidelines for Soil Description*. 4th penyunt. s.l.:Food and Agriculture Organization of the United Nations.

Farouki, O. T., 1986. *Thermal properties of soils*, New Hampshire: US Army Cold Regions Research and Engineering Laboratory.

Feddes, R. A. et al., 1988. Modelling Soil Water Dynamics in The Unsaturated Zone State of the art. *Journal of Hydrology*, 100(1-3), pp. 69-111.

Fitrianto, D. & Sari, C., 2022. Rancang Bangun Alat Ukur Suhu Dan Kelembaban Tanah Menggunakan Arduino Uno Dengan Perhitungan MAPE Pada Lahan Perkebunan. *Jurnal ELECTRA : Electrical Engineering Articles*, 3(1), pp. 19-27.

Ghanbarian-Alavijeh, B., A.Liaghat, G.-H.Huang & M.Th. Van Genuchten, 2010. Estimation of the van Genuchten Soil Water Retention Properties from Soil Textural Data. *Pedosphere*, 20(4), pp. 456-465.

Green, R. E., 1963. *Infiltration of Water Into Soils as Influenced by Antecedent Moisture*, s.l.: s.n.

Hafiz, A., Fardian & Rahman, A., 2017. Rancang Bangun Prototipe Pengukuran dan Pemantauan Suhu, Kelembaban serta Cahaya Secara Otomatis Berbasis Iot pada Rumah Jamur Merang. *KITEKTRO: Jurnal Online Teknik Elektro*, 2(3), pp. 51-57.

Handoko, 2003. *Klimatologi Dasar*. Bogor: Pustaka Jaya.

Hardyanti, F. & Utomo, P., 2019. Perancangan Sistem Pemantauan Suhu dan Kelembaban pada Proses Dekomposisi Pupuk Kompos berbasis IoT. *ELINVO (Electronics, Informatics, and Vocational Education)*, IV(2), pp. 193-201.

Hernández-Cordero, J. J., Flores-Méndez, R. & García-Méndez, R., 2018. A review of humidity sensors: From theoretical aspects to practical applications. *Sensor Review*, 38(1), pp. 87-101.

Hillel, D., 1982. *Fundamentals of Soil Physics*. New York: Academic Press.

Horton, R. E., 1940. *An Approach toward a Physical Interpretation of Infiltration Capacity*. s.l., Soil Science Society of America Proceedings, pp. 399-417.

Liu, Y., Zou, Y., Jiang, H. & Hu, M., 2020. Advances in thermal conductivity measurement techniques: A review. *International Journal of Heat and Mass Transfer*, Volume 153.

Li, Y., Guo, X., Zhang, X. & Chen, W., 2018. Soil moisture sensor using frequency-domain analysis for agricultural irrigation control. *Sensors*, 18(9), p. 2881.

Lubis, A. R., 2007. Kajian Pemanfaatan Sumber Energi Surya sebagai Penggerak Pompa Air untuk Irigasi di Lahan Sawah. *urnal Penelitian Pertanian Tanaman Pangan*, 26(3), pp. 151-156.

Lubis, K. S., 2007. *Kajian Pemanfaatan Energi Geotermal dalam Sistem Pemanas Bangunan (Studi Kasus: Kawasan Berastagi Kabupaten Karo)*, Bandung: Institut Teknologi Bandung.

Marcos, H. & Muzaki, H., 2022. Monitoring Suhu Udara dan Kelembapan Tanah Pada Budidaya Tanaman Pepaya. *Jurnal Teknologi dan Sistem Tertanam*, 03(02), pp. 32-43.

Martins, J. E. M. P. & Viana, A. C. G., 2011. Teaching general concepts about sensors and transfer functions with a voltage divider. *Latin American Journal of Physics Education*, 5(4), pp. 685-690.

Massinai, M. A., Hasanah, N. & Prodi, N., 2011. *Analisis Perubahan Suhu Udara Permukaan Kota Makassar*, Makassar: Program Studi Geofisika, Universitas Hasanuddin Makassar.

McGrath, M. J. & Ní Scanaill, C., 2013. *Sensor Technologies: Healthcare, Wellness and Environmental Applications..* Berkeley: Apress.

Montgomery, D. C., Peck, E. A. & Vining, G. G., 2012. *Introduction to linear regression analysis*. New Jersey: John Wiley & Sons.

Morris, A. S. & Langari, R., 2012. *Measurement and Instrumentation*. London: Elsevier.

Pallas-Areny, R. & Webster, J. G., 2011. *Sensors and Signal Conditioning*. New Jersey: John Wiley & Sons.

Patranabis, D. C., 2015. *Introduction to Sensors*. New Delhi: New Age Interational.

Ravichandran, N., 2018. Measurement Systems and Characteristics. Dalam: *Fundamentals of Sensors for Engineering and Science*. Berlin: Springer.

Riyanto, N., 2009. *Panas dan Suhu Tubuh Manusia*. Bandung: Remaja Karier.

Rupp, D. E., Abatzoglou, J. T. & Hegewisch, K. C., 2017. Climate change–induced shifts in soil temperature and moisture regimes could reduce semi-arid forest range limits. *Ecology*, 98(9), pp. 2305-2315.

Shetty, A., Pai, R. M., Nayak, N. & Shenoy, P. D., 2019. Design and Implementation of an Automatic Irrigation System using Wireless Sensor Network. *International Journal of Engineering and Advanced Technology (IJEAT)*, 8(6S2), pp. 68-71.

Sihotang, H. Y., 2022. *Rancang Bangun Alat Ukur Multifungsi 5 IN 1 (Altimeter, TDS Meter, Soil Moisture Meter, Thermometer, Barometer) Digital Portable Berbasis Arduino Nano*, Bengkalis: Politeknik Negeri Bengkalis.

- Simpson, J. R., 1963. Soil Heat Flow. *Advances in Agronomy*, Volume 15, pp. 1-56.
- Siswanto, J., Susantini, E. & Jatmiko, B., 2018. *Fisika Dasar Seri ; Listrik Arus Searah dan Kemagnetan*. Semarang: UPGRIS Press.
- Skierucha, W. et al., 2012. A TDR-based Soil Moisture Monitoring System With Simultaneous Measurement Of Soil Temperature And Electrical Conductivity. *Sensors*, 12(10), pp. 13545-13566.
- Susilawati & Maulana, I., 2019. Soil Quality Monitoring Prototype With Humidity And Temperature Parameters For Paddy Plants. *Jurnal Neutrino: Jurnal Fisika dan Aplikasinya*, 12(1), pp. 14-20.
- Sydenham, P. H., 2014. Static and Dynamic Characteristic of Instrumentation. Dalam: R. J. Webster & H. F. Gabb, penyunt. *Measurement, Instrumentation, and Sensors Handbook*. Florida: CRC Press, pp. 44-65.
- Thoriq, A., Pratopo, H. L., Sampurno, R. M. & Syaifullah, S. H., 2022. Rancang Bangun Sistem Monitoring Suhu dan Kelembaban Tanah. *Jurnal Keteknikaan Pertanian*, 10(3), pp. 268-280.
- Vigneshvaran, D. & Ponnusamy, V., 2018. Capacitive humidity sensors: A review. *Sensors and Actuators A: Physical*, Issue 279, pp. 129-145.
- Wang, S., Zhu, M., Zhang, X. & Zhao, M., 2019. The Importance of Sensor Accuracy in Industrial Control Systems. *IEEE Access*, Volume 7, pp. 146644-146655.
- Widyatmanti, W. & Natalia, D., 2008. *Geografi: Atmosfer dan Kondisi Geografis*. Jakarta: Grasindo.
- Zakhirah, Z. P., 2022. *Pembuatan Alat Ukur Suhu, Kelembapan, dan pH Tanah Portable Berbasis Mikrokontroler ESP32 Pada Tanaman Vanilli Di BALITTRO*, Bogor: IPB University.
- Zhang, H., Zhang, Y., Gao, Z. & Liu, Y., 2018. A Comprehensive Review of Temperature Sensor Technology. *Sensor*, 18(8), p. 2480.