

PUSTAKA ACUAN

1. Baker, J.M., and R.R. Allmaras. 1990. System for automating and multiplexing soil moisture measurement by time-domain reflectometry. *Soil Sci. Soc. Am. J.* 54:1-6
2. Baumhardt, R.L., R.I. Lascano, and S.R. Evett. 2000. Soil material, temperature, and salinity effects on calibration of multisensory capacitance probes. *Soil Sd. Soc. Am. J.* 64:1940-1446
3. Bell, J.P., TJ. Dean, and M.G. Hodnett. 1987. Soil moisture measurement by an improved capacitance technique, part II. Field techniques, evaluation and calibration. *J. Hydrology (Amsterdam)* 93:79-A0
4. Dean, TJ. 1994. The IH capacitance probe for measurement of soil water content. Rep. No. 125, Institute of Hydrology, Wallingford, LJK
5. Dean, TJ., J.P. Bell, and AJ.B. Batty. 1987. Soil moisture measurement by an improved capacitance technique, part I. Sensor design and performance. *J. Hydrology. (Amsterdam)* 93:67-78
6. Evett, S.R., and J.L. Steiner. 1995. Precision of neutron scattering and capacitance type soil water content gauges from field calibration. *Soil Sci. Soc. Am. J.* 59:961-968
7. Fellner-Felldeg, H. 1969. The measurement of dielectrics in the time domain. *J. Phys. Chem.* 73:616-623
8. Gardner, C.M.K., D.A. Robinson, K. Blyth, and J.D. Cooper. 2000. Soil water content. p.1-64. In K.A. Smith, and C.E. Mutlins (ed.) *Soil and environmental analysis: Physical methods*. Marcel Dekker, New York
9. Heimovaara, TJ. 1994. Frequency domain analysis of time domain reflectometry waveforms. I. Measurement of the complex dielectric permittivity of soils. *Water Resour. Res.* 30:189-199
10. Heimovaara, TJ., E.J.G. de Winter, W.K.P. van Loon, and D.C. Esveld. 1996. Frequency-dependent dielectric permittivity from 0 to 1 GHz: Time domain reflectometry measurements compared with frequency domain network analyzer measurements. *Water Resource Res.* 32:3603-3610
11. Hillel, D., 1985. *Fundamental of Soil Physics*. San Diego: Academic Press.
12. Hilhorst, M.A. 1998. Dielectric characterization of soil. Ph.D. diss. Wageningen Agric. Univ., Wageningen, The Netherlands
13. Lazuardi, 2006. Pengembangan Dan Pembuatan Sistem Peringatan Dini Untuk Mendeteksi Ketinggian Permukaan Air Sungai Berbasis Sensor Kapasitif, Laporan Hibah Bersaing DP2M, Dikti.
14. Mc Donald, 1987. Impedance Spectroscopy, Strength and Limitations. *Technisches Messen* 71, p. 454-459, 2004.
15. Mead, LM. J.E. Ayars, and J. liu. 1995. Evaluating the influence of soil texture, bulk density and sod water salinity on a capacitance probe calibration. *ASAE Paper 95-3264*. ASAE, St Joseph, MI

16. Morgan, K.T., L.R. Parsons, T.A. Wheaton, DJ. Pitts, and T.A. Obreza. 1999. Field calibration of a capacitance water content probe in fine sand soils. *Soil Sci. Soc. Am. J.* 63:987-989
17. Noborio, K. 2001. Measurement of soil water content and electrical conductivity by time domain reflectometry: A review. *Compute. Electron. Agric.* 31:213-237
18. Paltineanu, LC, and J.L. Starr. 1997. Real-time soil water dynamics using multisensor capacitance probes: Laboratory calibration. *Soil Sc3. Soc. Am. J.* 61:1576-1585
19. Robinson, D.-, C.M.K. Gardner, J. Evans, J.D. Cooper, M.G. Hodnett, and J.P. Bell. 1998. The dielectric calibration of capacitance probes for soil hydrology using an oscillation frequency response model. *Hydrol. Earth Syst Sci.* 2:111-120
20. Topp, G.C., J.L. Davis, and A.P. Anna .1980. Electromagnetic determination of soil water content: Measurements in coaxial transmission lines. *Water Resource. Res.* 16:574-582

