

DAFTAR PUSTAKA

- Aladjadjian, A. 2007. The use of physical methods for plant growing stimulation in Bulgaria. *Journal of Central European Agriculture*, 8 (3): 369-380.
- Alimi, F., Tlili, M., Amor, M. B., Gabrielli, C., & Maurin, G. 2007. Influence of magnetic field on calcium carbonate precipitation. *Desalination*, 206(1-3), 163-168.
- Amiri, M.C., & Dadkhah, A.A. 2006. On reduction in the surface tension of water due to magnetic treatment. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 278 (1-3), 252-255.
- Arthur, Beiser. 1989. *Konsep Fisika Modern*. Jakarta: Erlangga.
- Atak, C., Emiroglu, O., Aklimanoglu, S. and Rzakoulieva, A. 2003. Stimulation of regeneration by magnetic field in soybean (*Glycine max* L. Merrill) tissue cultures. *J Cell Mol. Biol.*, 2: 113–119.
- Atak C, Celik O, Olgun A, Alikamanolu S, Rzakoulieva A .2007. Effect of magnetic field on peroxidase activities of soybean tissue culture. *Biotechnology* 21:166-71.
- Atak C, Danilov V, Yurttas B, Yalçın S, Mutlu D, Rzakoulieva A (1997) Effects of magnetic field on soybean (*Glycine max* L.Merrill) seeds. *Com JINR*. Dubna:1-13.
- Babu, C. 2010. Use of magnetic water and polymer in agriculture. *Tropical Research*, D 08 – 806 – 001.
- Bueche, Frederick J. & Eugene. H. 2006. *Scaum's Outlines Fisika Edisi Kesepuluh*, Jakarta: Erlangga.
- Cai, R., Yang, H., He, J., & Zhu, W. 2009. The effects of magnetic fields on water molecular hydrogen bonds. *Journal of Molecular Structure-Theochem*, 938, 15-19.
- Chang, K., & Cheng-I, W. 2006. The effect of an external magnetic field on structure of liquid water using molecular dynamics simulation. *Journal of Applied Physics*, 100 (4), 043917-1 - 043917-6.
- Constantin V, Lucia P, Daniela AL 2003. The influence of the magnetic fluids on some physiological processes in *Phaseolus vulgaris*. *Rev. Roum. Biol. Veget.* 48(1–2):9–15.
- Davies MS .1996. Effects of 60 Hz electromagnetic fields on early growth in three plant species and a replication of previous results. *Bioelectromagnetics* 17:154-161.
- De Souza A, Garcia D, Sueiro L, Gilart F, Porras E, Licea L .2006. Pre-sowing magnetic treatments of tomato seeds increase the growth and yield of plants. *Bioelectromagnetics* 27:247-257.

- El - Sayed, H. and Sayed A. 2014. Impact of magnetic water irrigation for improve the growth, hemical composition and yieldproduction of broad bean (*Vicia faba* L.) Plant. American Journal of Experimental Agriculture, 4(4): 476-496.
- Fahrudin, Fuat. 2009. Budidaya Caisim (*Brassica juncea* L.) Menggunakan Ekstrak Teh dan Pupuk Kascing. Surakarta : Universitas Sebelas Maret.
- Fried, G. H. & Hademenos, G. J. 1999. Scaum's outline Biologi Edisi kedua. Jakarta: Erlangga.
- Ferrari, F., Almeida, L., Klar, A., Ferreira da Silva, J., Pires, C. & Ludwig, R. 2015. Response of lettuce crop to magnetically treated irrigation water and different irrigation depths. African Journal of Agricultural Research, 10 (22), 300-2308.
- Galland, P. & Pazur, A. 2005. Magnetoreception in plants. Journal of Plant Research, 118 (6), 371-389.
- Gholizadeh, M., Arabshahi, H., & Benam, M.R. 2005. The effect of magnetic field on scale prevention in the industrial boilers. International Journal of Applied Chemistry, 1(1), 84-89.
- Hapsari, B. 2002. Sayuran genjah bergelimang rupiah. Trubus. 33(396): 30 - 31.
- Harfst, W. F. 2010. Non-Chemical Water Treatment. Chemical Engineering, 117(4), 66-69.
- Hasaani, A. S., Hadi, Z. L., & Rasheed, K.A. 2015. Experimental study of the interaction of magnetic fields with flowing water. International Journal of Basics and Applied Science, 3 (3), 1-8.
- Higashitani K., A. Kage, S. Katamura, K. Imai, S. Hatade, 1993. Effects of a magnetic field on the formation of CaCO₃ particles. Colloid and Interface Science.1993, 156(1):90-95.
- Huo, Z.F., Zhao, Q., & Zhang, Y.H. 2011. Experimental study on effects of magnetization on surface tension of water. Procedia Engineering, 26, 501-505.
- Hoff AJ (1981) Magnetic field effects on photosynthetic reactions. Quarterly Reviews of Biophysics 14(4):599-665.
- Hozayn, M., Abd-El Monem, A.A., Abdelraouf, R.E., & Abdalla, M. 2013. Do magnetic water affect water efficiency, quality and yield of sugar beet (*Beta vulgaris* L.) plant under arid regions conditions. Journal of Agronomy, 12 (1), 1-10.
- Kimball, & Jhon. 1983. Biologi Edisi Ke Lima, Jakarta: Erlangga.
- Kozic, V., Krobe, J., Lipus, L.C., and Ticar, I. 2006. Magnetic field analysis on electromagnetic water treatment, Hungarian journal of industrial chemistry

Veszprem. 34: 51-54.

- Maheshwari, B. L., & grewal, H. S. 2009. Magnetic treatment of irrigation water Its effects on vegetable crop yield and water productivity. *Agricultural Water Management*, 96, 1229–1236.
- Mihaela R, Dorina C, Carmen A .2007. Biochemical changes induced by low frequency magnetic field exposure of vegetal organisms. *Rom. J. Phys.* 52(5–7):645–651.
- Mysliwiec, D., Szczes, A. & Chibowski, S. 2016. Influence of static magnetic field on the kinetics of calcium carbonate formation. *Journal of Industrial and Engineering Chemistry*, 35, 400-407.
- Mulook Al-Khazan, B. M., & Nabila Al-Assaf .2011. Effects of magnetically treated water on water status, chlorophyll pigments and some elements content of Jojoba (*Simmondsia chinensis* L.) at different growth stages. *African Journal of Environmental Science and Technology*, 5 (9), 722-731.
- Opena, R. T and D. C. S Tay. 1994. *Brassica rapa* L. Group Caisin. Hal 153-157.
- Otsuka, I., & Ozeki, S. 2006. Does magnetic treatment of water change its properties. *Journal of Physical Chemistry B*, 110 (4), 1509-1512.
- Pang, X., & Deng, B. 2008. Investigation of changes in properties of water under the action of a magnetic field. *Science in China Series G: Physics, Mechanics & Astronomy*, 51 (11), 1621-1632.
- Pietruszewski S .1993. Effects of magnetic seed treatment on yields of wheat,” *Seed Sci. Techol.* 21:621-626.
- Purworini, F. 2014. *Pengaruh Aplikasi Medan Elektromagnet Terhadap Sifat Fisis Air Serta Implikasinya Terhadap Kecepatan Pertumbuhan Tanaman*. UIN Malang.
- Rakosy-Tican L, Aurori CM, Morariu VV .2005. Influence of near null magnetic field on in vitro growth of potato and wild *Solanum* species. *Bioelectromagnetics* 26: 548–557.
- Rochalska M .2005. Influence of frequent magnetic field on chlorophyll content in leaves of sugar beet plants. *Nukleonika* 50:25-8.
- Selim, M. M . 2008. Application of Magnetic Technologies in Correcting Under Ground Brackish Water for Irrigation in the Arid and Semi-Arid Ecosystem, The 3rd International Conference on Water Resources and Arid Environments, and the 1st Arab Water Forum.
- Suchitra, K. and Babu, E. A. 2011. A pilot study on silt magnetized and non magnetized water in the on-farm water use efficiency management. Centre for Water Resources, Anna University, Chennai, India.

- Tasyono, Bayong. 2006. Ilmu Kebumihan dan Antariksa. Bandung: Remaja Rosdakarya
- Tian, WX., Kuang, YL., Mei, Z.P. 1991. Effect of magnetically treated water on seed germination, seedling growth and grain yield of rice. Field Crop Abstracts, 044-07228.
- Toledo, E.J.L., Ramalho, T.C., & Magriotis, A.M. 2008. Influence of magnetic field on physical- chemical properties of the liquid water: Insights from experimental and theoretical models. Journal of Molecular Structure, 888 (1-3), 409-415.
- Yano, A., Ohashi, Y., Hirasaki, T., & Fujiwara, K. 2004. Effects of 60 Hz magnetic field on photosynthetic uptake and early growth of radish seedlings. Bioelectromagnetics, 25 (8), 572-581.
- Zúñiga, O., Benavides, J.A., Jiménez, C.O., Gutiérrez, M.A., & Torres, C. 2016. Efecto del agua tratada magnéticamente en el desarrollo y la producción de cúrcuma (*Curcuma longa* L.). Revista Colombiana de Ciencias Hortícolas, 10 (1).