



## DAFTAR PUSTAKA

- Abdelaziz, M., R. Pokluda, and M. Abdelwahab. 2007. Influence of compost, microorganism and NPK fertilizer upon growth, chemical composition and essential oil production of *Rosmarinus officinalis* L. Not. Bot. Hort. Agrobot. Cluj. 35 (1): 86—90.
- Adrinal dan Gusmini. 2011. Pengaruh pupuk fosfor, molibdenum dan pupuk kandang terhadap serapan hara nitrogen dan fosfor serta pertumbuhan tanaman kacang tanah pada ultisol. Jerami 4 (1): 8—16.
- Alnopri. 2004. Optimasi prosedur assay aktivitas nitrat reduktase daun manggis. Jurnal Akta Agrosia 7 (2): 62-66.
- Anonim. 2007. Badan Riset Kelautan dan Perikanan. Departemen Kelautan dan Perikanan Republik Indonesia. <[www.brpk.go.id](http://www.brpk.go.id)> (diakses 27 Nopember 2007).
- Aribawa, N.L. Kartini, dan I.K. Kariada. 2004. Pengaruh Beberapa Jenis Pupuk Organik dan Pupuk Urea Terhadap Sifat Tanah dan Hasil Kacang Panjang di Lahan Kering Pinggiran Perkotaan Denpasar Bali. Balai Pengkajian Teknologi Pertanian, Denpasar.
- Arnon, D.I. 1949. Copper enzymes in isolated chloroplast polyphenoloxidase in *Beta vulgaris*. Plant Physiology 24: 1—15.
- Atmojo, S.W. 2003. Peranan bahan organik terhadap kesuburan tanah dan upaya pengelolaannya. Pidato Pengukuhan Guru Besar Ilmu Kesuburan Tanah Fakultas Pertanian Universitas Sebelas Maret.
- Attarde, S.K., B.J. Jadhao, R.M., A.D. Pawar, and A.D. Warade. 2003. Effect of N levels on growth and yield of turmeric. Journal of Spices and Aromatic Crops 12 (1): 77-79.
- Awal M.A. and T. Ikeda. 2002. Recovery strategy following the imposition of episodic soil moisture deficit in stands of peanut (*Arachis hypogaea* L.). J. Agron. Crop Sci. 188: 185-192.
- Balai Penelitian Tanah. 2005. Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air dan Pupuk. Balai Penelitian Tanah, Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian, Bogor.
- Balai Penelitian Tanah. 2009. Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air dan Pupuk. Balai Penelitian Tanah, Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian, Bogor.
- Barik, A.K. and J. Fulmali 2011. Effect of integrated plant nutrient supply through organic and mineral sources on productivity of summer sesame. Journal of Oilseeds Research 28 (2): 120-122.



- Baydar, H., I. Turgut, and K. Turgut. 1999. Variation of certain characters and line selection for yield, oil, oleic and linoleic acids in the Turkish sesame populations. *Journal of Agriculture and Forestry* 23: 431- 441.
- Beech, D. 1985. Sesame research possibilities for yield improvement. In: A. Ashri (Ed.). *Sesame and Safflower: Status and Potential*. FAO Plant Production and Protection, Rome, p: 121-126.
- Bekheta, M.A. 2004. Combined effect of gibberellic acid and paclobutazole on wheat plants grown in newly reclaimed lands. *J. Agric. Sci.* 29 (8): 4499-4512.
- Berry, P.M., E.A. Stocdale, R. Sylvester. Bradly, Philipps, and K.A. Smith. 2003. NPK Budgets for crop rotations on nine organic farms in tea. *UK.Soil Use and Management* 19 (2): 112-118.
- Buckman, H.O. and N.C. Brady. 1982. *Soil Science (Ilmu Tanah, terjemahan: Soegiman)*. Bharata Karya Aksara. Jakarta. 191 p.
- Budi, L.S. 2007. Pengaruh cara tanam dan penggunaan varietas terhadap produktivitas wijen. *Buletin Agronomi* 35 (2) : 135-141.
- Bunting, E.S. 1981. Assessments of the effects on yield variations in climate and soil characteristics for twenty crops species. Center for Soil Research, Bogor. 57 p.
- Cakmak, L., C. Hangleter, and H. Marschner. 1994. Partitioning of shoot and root dry matter and carbohydrates in bean plants suffering from phosphorous, potassium and magnesium deficiency. *J. Exp. Bot.* 45: 1245-1250.
- Culp, T.W. 1959. Inheritance and association of oil and protein content and seed coat type in sesame (*Sesamum indicum L.*). *Genetics* 44: 879-909.
- Dauda, S.N., F.A. Ajayi, and E. Ndor. 2008. Growth and yield of watermelon as affected by poultry manure application. *Journal of Agriculture and Social Science* 4: 121-124.
- Daulay, H.S. and K.C. Singh. 1982. Effects of N and P rates and plant densities on the yield of rainfed sesame. *Indian J. Agric. Sci.* 52: 166—169.
- Dewanto, F.G. 2013. Pengaruh pemupukan anorganik dan organik terhadap produksi tanaman jagung sebagai sumber pakan. *Jurnal Zootek* 32 (5): 1—8.
- Duhoon, A., J. Yotishi, M.R. Deshmukh, and N.B. Singh. 2007. Optimization of sesame (*Sesamum indicum L.*) production through bio/natural inputs all India Coordinated Research Project on Sesame and Niger (ICAR). <<http://www.cropscience.au/res>>. (diakses 31 Desember 2013).
- Dwidjoseputro, D. 1978. *Pengantar Fisiologi Tumbuhan*. Cetakan Kedua. Gramedia, Jakarta.
- Edmond, J.B., T.L. Senn, F.S. Andrews, and R.G. Halfacre. 1975. *Fundamentals of Horticulture*. Fourth Edition. McGrawHill Book Co., Toronto, Canada.



El-Habbasha, S.F., M.S. Abd El Salam, and M.O. Kabesh. 2007. Response of two sesame varieties (*Sesamum indicum L.*) to partial replacement of chemical fertilizers by bio-organic fertilizers. Research Journal of Agriculture and Biological Sciences 3 (6): 563-571.

El-Nakhlawy and M.A. Shareen. 2009. Response of seed yield, yield components and oil content to the sesame cultivar and nitrogen fertilizer rate diversity. Met., Env. & Arid Land Agric. Sci. 20 (2): 21-31.

Farhad, I.S.M., M.N. Islam, S. Hoque, and M.S.I. Bhuiyan, 2010. Role of potassium and sulphur on the growth, yield, and oil content of soybean (*Glycine max L.*). Ac. J. Plant Sci. 3 (2): 99-103.

Fitter, A.H. and R.K.M. Hay. 1981. Environment Physiology of Plant. Academic Press, London. 367 p.

Foth. 1988. Dasar-Dasar Ilmu Tanah. Gadjah Mada University Press, Yogyakarta. 782 p.

Fontaine, S., G. Bardoux, L. Abbadie, and A. Mariotti. 2004. Carbon input to soil may decrease carbon content. Ecology Letters 7: 314-320.

Garg B.K., S. Kathju, and S.P. Vyas. 2005. Salinity-fertility interaction on growth, photosynthesis and nitrate reductase activity in sesame. Indian Journal of Plant Physiology 10: 162- 167.

Grant, B.W. and I. Vatnick. 2004. Environmental Correlates of Leaf Stomata Density. Teaching Issues and Experiments in Ecology 1: 1—24.

Gardner, F.P., Pearce R.B, dan R. L. Mitchell. 1991. Crop Physiology (Fisiologi Tanaman Budidaya, diterjemahkan oleh Susilo, H dan Subiyanto). Penerbit Universitas Indonesia (UI Press), Jakarta.

Grant, B.W. and I. Vatnick. 2004. Experiments: Environmental Correlates of Leaf Stomata Density. <<http://www.esa.org/tiee/vol/v1/experiments/stomata/stomata.html>>. (diakses pada 28 Juli 2015).

Gunadi, S., T. Sudyastuti, dan J.R. Kusuma. 2007. Kebutuhan Air Tanaman Cabai dengan Pemberian Air Irrigasi System Sprinkler dan Sub surface di Lahan Pasiran Pantai. Prosiding Seminar Nasional Peningkatan Peran Teknik Pertanian Untuk Pengembangan Agroindustri dalam rangka Revitalisasi Pertanian. Fakultas Teknologi Pertanian Universitas Gajah Mada, Yogyakarta. 187 p.

Habibi, A., G. Heidari, Y. Sohrabi, H. Badakhshan, and K. Mohammadi. 2011. Influence of bioorganic and chemical fertilizers on medicinal pumpkin traits. Journal of Medicinal Plants Research 5 (23): 5590-5597.

Handayani, S., Erlyna W.R., dan S. Anantanyu. 2006. Potensi Agribisnis Komoditas Wijen. Andi, Yogyakarta.

Hansen, R. 2011. Sesame Profile. 19/08/11. <[http://www.agmrc.org/commodities\\_products/grain\\_oilseeds/sesame\\_profile](http://www.agmrc.org/commodities_products/grain_oilseeds/sesame_profile)>. (diakses 25 November 2013).



- Hardjowigeno, S. dan M. L Rayes. 1992. Tanah Sawah, Karakteristik, Kondisi, dan Permasalahan Tanah Sawah di Indonesia. Bayumedia Publishing, Malang.
- Hariyono. 2005. Pengembangan Wijen di Lahan Sawah Sesudah Padi (MK-1 dan 2). Studi Kasus Kecamatan Baki, Kabupaten Sukoharjo, Jawa Tengah. Laporan hasil kunjungan ke kabupaten Sukoharjo.
- Hwang. 2005. Sesame Oil: Baileys Industrial Oil and Fat Product. Taipeh National Taiwan University.
- Ibrahim, N., Soerjono, dan Subaidah. 1994. Ketahanan Varietas Wijen terhadap Penyakit. Laporan Hasil Penelitian. Balai Penelitian Tembakau dan Tanaman Serat.
- Ibrahim, H.I.M., Zaglol M.M.A., and Hammad A.M.M. 2010. Response of balady guava trees cultivated in sandy calcareous soil to biofertilization with phosphate dissolving bacteria and/or VAM fungi. *J. Am. Sci.* 6 (9): 399–404.
- Intan. 2009. Proseding seminar Nasional Kebangkitan Peternakan "Pemberdayaan Masyarakat Melalui Usaha Peternakan Berbasis Sumber Daya Dalam Rangka Ketahanan Nasional Berkelanjutan". Fakultas Peternakan, UNDIP.
- Isfan, D. 1993. Genotypic variability for physiological efficiency index of oats. *Plant & Soil J.* 154: 53-59
- Jamieson, G.S. and W.F. Baughman. 1924. The chemical composition of sesame oil. *Journal of The American Chemical Society* 46 (3): 775–778.
- Joshi, O.P., S.D. Billiore, and A. Ramesh. 2000. Integrated micronutrient management in soybean. *Journal of Oilseed Research* 17 (2): 370-372.
- Junita, F., S. Muhartini, dan D. Kastono. 2002. Pengaruh frekuensi penyiraman dan takaran pupuk kandang terhadap pertumbuhan dan hasil pakchoi. *Ilmu Pertanian* IX (1): 37 – 45.
- Kadarwati, F.T., Soenardi, Parjan, dan H. Santoso. 1994. Pemupukan N dan P pada tanaman wijen. *Buletin Tembakau dan Serat No. 03/06/1994:710.* Balai Penelitian Tembakau dan Tanaman Serat, Malang.
- Kanu, P.J. 2011. Biochemical analysis of black and white sesame seeds from China. *American Journal of Biochemistry and Molecular Biology* 1: 145-157.
- Kasno, A. dan D. Setyorini. 2008. Neraca hara N, P, dan K pada tanah inceptisols dengan pupuk majemuk untuk tanaman padi. *Penelitian Pertanian Tanaman Pangan* 27 (3): 141—147.
- Khalid, M., Khogali E., and A.E. Gasim. 2008. Chemical composition and oil characteristics of sesame seed cultivars grown in Sudan. *Journal of Agriculture and Biological Sciences*, 4 (6): 761-766.



- Kheir, N.F., E.Z. Harb, H.A. Moursi, and S.H. El-Gayar. 1991. Effect of salinity and fertilization on flax plant (*Linum usitatissimum* L.). Bulletin of Faculty of Agriculture University of Cairo 42: 57-70.
- Kinsman, M. L. and S. M. Stark 1954. Yield and chemical composition of sesame (*Sesamum indicum* L.) as affected by variety and location grown. J. Am. Oil Chem. Soc. 31: 104-118.
- Kumazaki, T, Y. Yamada, S. Karaya, T. Tokumitsu, T. Hirano, and S. Yasumoto, M. Katsuta, and H. Michiyama. 2008. Effect of day length and air temperature on stem growth and flowering in sesame. Plant Prod. Sci.11 (2) : 178-183.
- Kumazaki, T., T. Hirano, S. Yasumoto, M. Katsuta, and H. Michiyama. 2002. Effect of sowing date and black vinyl film mulch on the growth and flowering in sesame. Jpn. J. Crop Sci. 71: 62-63.
- Lourduraj, C.A. 2000. Effect of irrigation and manure application on growth and yield of groundnut. Acta Agron. Hungarica 48: 83-88.
- Lyon, C.K. 1972. Sesame: Current knowledge of composition and use. Journal of the American Oil Chemists' Society 49: 245—249.
- Mahmood, T., M. Saeed, R. Ahmad, and A. Ghaffar, 1999. Water and potassium management for enhanced maize (*Zea mays* L.) productivity. Int. J. Agri. Biol. 1: 314–22.
- Makinde, E.A. 2007. Effects of an organo-mineral fertilizer application on the growth and yield of maize. Journal of Applied Sciences Research 3 (10): 1152-1155.
- Mengel, K. and E.A. Kirkby. 1987. Principles of Plant Nutrition. Switzerland. 601p.
- Michiyama, H., M. Arikuni, T. Hirano, and H. Hayashi. 2003. Influence of day length before and after the start of anthesis on the growth, flowering and seed setting in common buckwheat. Plant Prod. Sci.6: 235-242.
- Mujaya, I. M. and O. A. Yerokan. 2003. Response of sesame (*Sesamum indicum* L.) to plant population and nitrogen fertilizer in north-central Zimbabwe. Sesame and Safflower Newsletter 18: 64-69.
- Mukhid, S. 2003. Pengaruh Pemberian Lapisan Lempung Terhadap Peningkatan lengas Tanah Pada Lahan Berpasir. <[http://www.itek.net.id/ind/?ch=jsti&id=123\\_26k](http://www.itek.net.id/ind/?ch=jsti&id=123_26k)>. (diakses 29 Januari 2014).
- Mulyati, R.S., Tejowulan, dan V.A. Octarina. 2007. Respon tanaman jagung terhadap pemberian pupuk kandang ayam dan urea terhadap pertumbuhan dan serapan N. J. Agroteksos. 17 (1): 51-56.
- Murwan, K.K.E. and A.E. Gasim. 2008. Chemical composition and oil characteristics of sesame seed cultivars grown in Sudan. Journal of Agriculture and Biological Sciences 4 (6): 761-766.
- Namiki, M. 2007. Nutraceutical functions of sesame: A review. Critical Reviews in Food Science and Nutrition 47 (7): 651-673.



- Nath, R., P. Chakraborty, P. Bandopadhyay, C. Kundu, and A. Chakraborty. 2003. Analysis of relationship between crop growth parameters, yield and physical environment within the crop canopy of sesame (*Sesamum indicum*) at different sowing dates. *Archives of Agron. and Soil Sci.* 49: 677-682.
- Nzikou, J.M., C.B. Mvoula-tsiéri, Ndangui, N.P.G. Pambou-Tobi, A. Kimbonguila, B. Loumouamou, Th. Silou, and S. Desobry. 2010. Characterization of seeds and oil of sesame (*Sesamum indicum L.*) and the kinetics of degradation of the oil during heating. *Journal of Applied Sciences, Engineering and Technology* 2(3): 227-232.
- Nzikou, J.M. 2009. Chemical composition on the seed and oil of sesame (*Sesamum Indicum. L*) grown in Congo – Brazzaville. *Advance Journal of Food Science and Technology* 1 (1): 6-11.
- Palm, A.C., R.J.K. Myers, and S.M. Nandwa. 1997. Combined Use Organic and Inorganic Nutrient Source for Soil Fertility Maintenance and Replenishment. In: Buresh, R.J., Sanchez, P.A. Sanchez and F. Calhoun (Eds.). *Replenishing Soil Fertility in Africa*. American Society of Agronomy and Soil Science of America. 193-217.
- Palainappan, S.P., A. Jeyabal, and S. Chelliah. 2003. Evaluation of Integrated Nutrient Management in Summer Sesame (*Sesamum indicum L.*). Nagarjuna Agricultural Research and Development Institute, India.
- Pandey, A., R.J. Laxmi, Tiwari, and R.P. Sharma. 2013. Distribution of available macro and micronutrients in soils of Dewas district of Madhya Pradesh. *Technofame-A Journal of Multidisciplinary Advance Research* 2: 108-114.
- Parwata, A.I.G.M. 2010. Kajian fisiologis ketahanan kekeringan tanaman jarak pagar (*Jatropha curcas L.*) di lahan pasir pantai. Disertasi. Universitas Gajah Mada.Yogyakarta.
- Peraturan Menteri Pertanian No. 70 Tahun 2011 tentang Pupuk Organik, Pupuk Hayati, dan Pemberah Tanah.
- Pimentel, D.M. 2006. Energy Use in Agriculture: An Overview. College of Agriculture and Life Science, Cornell University, Ithaca, New York. 40 p.
- Purseglove, J.W. 1968. Tropical crops: Dicotyledons Vol. 2. Wiley, New York.
- Rachman, A.H. 2005. Status Wijen (*Sesamum indicum L.*) di Dalam dan Luar Negeri. Ballitas Litbang, Deptan, Jakarta.
- Rasheed, M. and T. Mahmood. 2004. Effect of different planting methods and nutrient management on quality traits of hybrid maize. *International Journal of Agriculture & Biology* 6 (1): 162—164.
- Ratnaningsih, E., M. Rahayu, dan B. Hariyono. 2007. Potensi Pengembangan Tanaman Wijen (*Sesamum indicum L.*) di Lahan Kering Kabupaten Gunung Kidul Daerah Istimewa Yogyakarta. Prosiding Seminar Memacu Pengembangan Wijen Untuk Mendukung Agroindustri, Pusat Penelitian dan Pengembangan Perkebunan, Bogor.



- Reddy, K.B. and A. Narayanan. 1987. Dry matter production and nutrient uptake. In: Sesame (*Sesamum indicum* L.) Genotypes, The Center of Agrarian Research and Development, CIDA of Cordoba, Spain No. 3: 35.
- Rinsema, W.T. 1986. Pupuk dan Cara Pemupukan. Bharata Karya Aksara, Jakarta.
- Rismunandar. 1976. Pedoman Bercocok Tanam Wijen. Penerbit Terate, Bandung.
- Rizqiani, N.E., E. Ambarwati, dan N.W. Yuwono. 2007. Pengaruh dosis dan frekuensi pemberian pupuk organik cair terhadap pertumbuhan dan hasil buncis (*Phaseolus vulgaris* L.) dataran rendah. Jurnal Ilmu Tanah dan Lingkungan 7: 43-53.
- Rosihan, R. dan Setiawan. 2014. Peran dan pengelolaan kalium dalam budidaya akar wangi. Perspektif 13 (2): 91—97.
- Rusim, Mardjono, B. Hariyono, M. Romli, Soenardi, H. Sudarmo, dan Suprijono. 2007. Optimasi Dosis Pupuk N Pada Galur Unggul Baru Wijen Untuk Menunjang Pelepasan Varietas. Laporan Hasil Penelitian 2005. Balittas, Malang. 16 p.
- Rusmin, D. 2007. Manfaat dan budidaya wijen (*Sesamum indicum* L.). Warta Penelitian dan Pengembangan Tanaman Industri 13: 11-14.
- Russell, M.B. 1958. Methods of measuring soil structure and aeration. Soil Science 68: 25-35.
- Subrahmanyam, K. and N. Arulmozhi. 1999. Response of sesame (*Sesamum indicum*) to plant population and nitrogen under irrigated condition. Indian J. Agron. 44 (2): 413-415.
- Salwa, A.I.E., M. M. Abass, and S.S. Beharry. 2010. Amelioration productivity of sandy soil by using amino acids, sulfur and micronutrients for sesame productions. Journal of Americans Sciences 6 (11): 250—257.
- Sarjiyah. 1997. Budidaya tiga varietas kacang tanah di lahan pasir pantai Dusun Gisik, Bugel, Kulon Progo, Yogyakarta. Agr. UMY 6 (2): 1-6.
- Sarwar, G., N. Hussain. H. Schmeisky, and S. Muhammad. 2007. Use of compost an environment friendly technology for enhancing rice –wheat production in Pakistan. Pakistan Journal of Botany 39: 1553-1558
- Sawan, Z.M., S.A. Hafez, A.E. Basyony, and A.R. Alkassas. 2007. Nitrogen, potassium and plant growth retardant effect on oil content and quality of cotton seed. Cotton Research Institute Agricultural Research Center. Grasas Y Aceites 58 (3): 243-251.
- Scholes, M.C., Swift, O.W., Heal, P.A. Sanchez, JSI. Ingram, and R. Dudal, 1994. Soil Fertility Research in Response to Demand for Sustainability. In: Woomer, P.I. and M.J. Swift (Eds.). The Biological Management of Tropical Soil Fertility John Wiley & Sons. New York.
- Setiawan, A.N. 1996. Teknologi budidaya pertanian lahan pantai dan permasalahannya. Agr UMY 4(2): 42-45.



- Shah, S.H. 2008. Effects of nitrogen fertilization on nitrate reductase activity, protein, and oil yields of *Nigella sativa* L. as affected by foliar GA<sub>3</sub> application. Turk J Bot 32: 165-170.
- Sharar, M.S., M. Ayub, M.A. Choudhry, and M. Asif. 2000. Growth and yield of sesame genotypes as influenced by NP application. International Journal of Agriculture & Biology 2: 1-2.
- Shehu, H.E., J.D. Kwari, and M.K. Sandabe. 2010. Nitrogen, phosphorus and potassium nutrition of sesame (*Sesamum indicum*) in Mubi, Nigeria. Journal of Agronomy 3: 32-36.
- Soenardi. 1996. Strategi Pengembangan Wijen Komoditas Unggulan di KTI. Sinar Tani 27 Januari 1996 no. 2519 Tahun XXVI.
- Stevenson, 1982. Humus Chemistry. John Wiley and Sons, New York.
- Subandi, 2013. Peran Pengelolaan Hara Kalium untuk Produksi Pangan di Indonesia. Depatan, Jakarta.
- Sudarmadji, C. 1989. Analisa Bahan Makanan dan Pertanian. Lyberty, Yogyakarta.
- Suddiyam, P. and S. Maneekhao, 1997. Sesame (*Sesamum indicum* L.). A guide book for field crops production in Thailand. Field Crops Research Institute. Department of Agriculture. 166 p.
- Sukrisno, Mashudi, A.B. Supangat, Sunaryo, dan D. Subaktini. 2000. Pengembangan Potensi Lahan Pantai Berpasir dengan Budidaya Tanaman Semusim di Pantai Selatan Yogyakarta. Prosiding Seminar Nasional Pengelolaan Ekosistem Pantai dan Pulau – pulau Kecil Dalam Konteks Negara Kepulauan. Fakultas Geografi UGM, Yogyakarta 2 September 2000.
- Sutedjo, M.M. 2002. Pupuk dan Cara Pemupukan. Rineka Cipta, Jakarta. 174 p.
- Syamsunihar, A. dan Tohari. 1997. Pengaruh inokulasi mikorisa arbuskuler dan dosis pupuk kandang terhadap pertumbuhan tanaman semangka di lahan pasir pantai. Thesis. Univeritas Gadjah Mada.
- Syukur, A. 2005. Penyerapan boron oleh tanaman jagung di tanah pasir pantai Bugel dalam kaitannya dengan tingkat frekuensi penyiraman dan pemberian bahan organik. Jurnal Ilmu Tanah dan Lingkungan 5 (2): 20-26.
- Syukur, A. 2005. Pengaruh pemberian bahan organik terhadap sifat-sifat tanah dan pertumbuhan caisim di tanah pasir pantai. Jurnal Ilmu Tanah dan Lingkungan 5 (1): 30-38.
- Syukur, A. dan E.S. Harsono. 2008. Pengaruh pemberian pupuk kandang dan NPK terhadap beberapa sifat kimia dan fisika tanah Pasir Pantai Samas Bantul. Jurnal Ilmu Tanah dan Lingkungan 8 (2): 138-145.
- Taiz, L. and E. Zeiger. 1998. Plant Physiology. Second Edition. Sinauer Associates, Inc. Pub. Sunderland, Massachussets.792 p.



- Tarigan, D.D., J.O. Wiroatmodjo, dan A.P. Sianipar. 1998. Studi Pengaruh Jarak Tanam dan Pemupukan Terhadap Produksi dan Kadar Minyak Tanaman Wijen. Balitro dan IPB, Bogor.
- Tian, G., L. Brussard, B.T. Kang, and M.J. Swift. 1997. Soil fauna-mediated decomposition of plant residues under controlled environmental and residue quality condition. In: Cadisch, G. and K.E. Giller (Eds.). *Driven by Nature Plant Litter Quality and Decomposition*, Department of Biological Sciences. Wey College, University of London, UK, p: 125-134.
- Tisdale, S.L., W.L. Nelson, and I.D. Beaton. 1985. *Soil Fertility and Fertilizers*. 4<sup>th</sup> Ed. Macmillan Publishing Co., New York. 754 p.
- Weete, J.D. 1980. *Lipid Biochemistry*. Prenum Press, New York. 129 p.
- Weiss, 2000. *Oil Crop Seeds*. Leonard Hill, London. 519 p.
- Widiana, G.N. 1994. Peranan EM-4 dalam meningkatkan kesuburan dan produktifitas tanah. *Buletin Kyusei Nature Farming* 5: 28– 43.
- Widowati, L.R., S. Widati, U. Jaenudin, dan W. Hartatik. 2005. Pengaruh Kompos Pupuk Organik yang Diperkaya dengan Bahan Mineral dan Pupuk Hayati terhadap Sifat-Sifat Tanah, Serapan Hara dan Produksi Sayuran Organik. Laporan Proyek Penelitian Program Pengembangan Agribisnis, Balai Penelitian Tanah, TA 2005.
- Winarno, F.G. 1993. *Pangan Gizi, Teknologi dan Konsumen*. Gramedia Pustaka Utama, Jakarta.
- Yaniv, Z., D. Schafferman, and M. Zur. 1995. The effect of temperature on oil quality and yield parameters of high- and low-erucic acid Cruciferae seeds (rape and mustard). *Industrial Crops and Prod.* 3 (4): 247-255.
- Zeidan, M.S. 2007. Effect of organic manure and phosphorus fertilizers on growth, yield and quality of lentil plants in sandy soil. *Research Journal of Agriculture and Biological* 3 (6): 748-752.
- Zhou, T.H., Z.H. Peng., and L. Ling. 2006. Studies on effect of potassium fertilizer applied on yield of Bt cotton. *Chin. Agric. Sci. Bull.* 22 (8): 292-296.