DAFTAR PUSTAKA

Abd El-Gawad, A.M. dan Y.A. El-Amier. 2015. Allelopathy and potential impact of invasive *Acacia saligna* (Labill.)Wendl. on plant diversity in the Nile Delta Coast of Egypt. Int. J. Environ. Res. 9 : 923-932.

Abenavoli, M.R., A. Lupini, S. Oliva, Dan A. Sorgonà. 2008. Allelochemical effects on net nitrate uptake and plasma membrane H+-ATPase activity in maize seedlings. Acta bot. bras. 22: 1095-1100.

Adisarwanto, T. 2008. Teknologi Produksi Kedelai. Pusat Penelitian dan Pengembangan Tanaman Pangan. Bogor.

Aleksieva, A. dan P. L. Serafimov. 2008. A study of allelopathyc effect of *Amaranthus retroflexus L.* and *Solanum nigrum L.* in different soybean genotypes. Herbologia 9 : 47-58.

Algandaby, M. M. dan El-Darier, S. M. 2016. Management of the noxious weed; *Medicago polymorpha* L. via allelopathy of some medicinal plants from Taif region, Saudi Arabia. Saudi Journal of Biological Sciences 30 : 1-9.

Ali, H.H., A. Tanveer, M. A. Nadeem, M. M. Javaid, M. S. Kashif, dan A. R. Chadhar. 2013. Allelopathic effects of *Rhynchosia capitata* on germination and seedling growth of mungbean. Planta Daninha 31 : 501-509.

Anonim. 2013. ECHO Asia Seed Fact Sheet. <http://www.prota4u.org/protav8.asp?h=M4&t=Cosmos,sulphureus&p=Cosmos+sulphureus#Synonyms>. Diakses 15 Maret 2016.

Ashrafi, Z. Y., S. Sadeghi, H.R. Mashhadi, dan M.A. Hassan. 2008. Allelopathic effects of Sunflower (*Helianthus annus*) on germination and growth of wild barley (*Hordeum spontaneum*). Journal Agriculture Technology 4 : 219-229.

Aslam, F., A. Khaliq, A. Matloob, R. N. Abbas, S. Hussain, dan F. Rasul. 2014. Differential allelopathic activity of *Parthenium hysterophorus* L. against canary grass and wild oat. The Journal of Animal and Plant Sciences 24 : 234-244.

Badan Pusat Statistik. 2016. Produksi Kedelai Menurut Provinsi. <http://www.bps.go.id/linkTableDinamis/view/id/871>. Diakses 22 Februari 2016.

Bajwa, R., J. Akhtar, dan A. Javaid. 2003. Role of VAM in alleviating allelopathic stress of *Parthenium hysterophorus* on maize (*Zea mays* L.). Mycopath 1: 15-30.

Batish, D. R., K. Arora, H. P. Singh, dan R. K. Kohli. Potential utilization of dried powder of *Tagetes minuta* as a natural herbicide for managing rice weeds. 2007. Crop Protection 26 : 566–571.

Bernat, W., H. Gawronska, dan S. W. Gawronski. 2010. Physiological effects of allelopathic activity of sunflower on mustard. Biologia Plantarum 54 : 149-153.

Bertin, C., X. Yang, dan L. A. Weston. 2003. The role of root exudates and allelochemicals in the rhizosphere. Plant and Soil 256 : 67–83.

Blainski, A., G. C. Lopes, dan J. C. P. de Mello. 2013. Application and analysis of the folin ciocalteu method for the determination of the total phenolic content from *Limonium Brasiliense* L. Molecules 18 : 6852-6865.

Blum, U. dan E. L. Rice. 1969. Inhition of symbiotic nitrogen-fixation by gallic and tannic acid and possible roles in old field succession. Bulletin Torrey Botany Club 96 : 531-544.

Board, J.E. 2012. A Comprehensive Survey of International Soybean Research-Genetics, Physiology, Agronomy and Nitrogen Relationships. InTech, Croatia.

Bogatek, R., A. Gniazdowska, W. Zakrzewska, K. Oracz, Dan S.W. Gawrońsk. 2006. Allelopathic effects of sunflower extracts on mustard seed germination and seedling growth. Biologia Plantarum 50 : 156-158.

Botsaris, A. S. 2007. Plants used traditionally to treat malaria in Brazil: the archives of flora medicinal. Journal Ethnobiology Ethnomed 3 : 14-18.

Brandli D. dan S. Reinacher. 2012. Herbicides found in human urine. Ithaka Journal 1 : 270–272.

Chon, S. U., Y. M. Kim, dan J. C. Lee. 2003. Herbicidal potential and quantification of causative allelochemicals from several Compositae weeds. European Weed Research Society Weed Research 43 : 444–450.

Chon, S.U., Y.M. Kim, dan J.C. Lee. 2003. Herbicidal potential and quantification of causative allelochemicals from several compositae weeds. Weed Research 43: 444–450.

Chuah, T.S., S. M. Tiun, dan B.S. Ismail. 2011. Allelopathic potential of crops on germination and growth of goosegrass (*Eleusine indica* L. Gaertn) weed. Allelopathy Journal 27 : 33-42.

Dadkhah, A. 2015. Allelopathic potential of canola and wheat to control weeds in soybean (*Glycine max*). Russian Agricultural Sciences 41 : 111–114.

Dakshini, K.M., C.L. Foy, dan Inderjit. 1999. Allelopathy: one component in a multifaceted approach to ecology. CRC Press, Boca Raton.

Dayan, F., J.G. Romagni, dan S. O. Duke. 2000. Investigating the mode of action of natural phytotoxins. Journal of Chemical Ecology 26 : 2079–2094.

Drost, D.C. dan J.D. Doll. 1980. The allelopathic effect of yellow nutsedge *(Cyperus esculentus)* on corn and soybeans. Weed Science 28 : 229-233.

El Ayeb-Zakhama, A. dan F. Harzallah-Skhiri. 2015. Allelopathic activity of extracts of *Citharexylum spinosum* L. from Tunisia. Weed Biology and Management 4 : 1–7.

Farooq, M., A.A. Bajwa, S.A. Cheema, dan Z.A. Cheema. 2013. Application of allelopathy in crop production. Int. J. Agric. Biol 15 : 1367–1378.

Gardner, F. P. dan R. B. Pearce. 1985. Fisiologi Tanaman Budidaya. UI Press, Jakarta.

Ghayal, N. 2012. Studies on allelopathic potential and biochemical characterization of *Cassia uniflora* and *Synedrella nodiflora*, the dominant invasive weeds from the campus of Pune University. University of Pune, India.

Hall, M.R., C.J. Swanton, dan G.W. Anderson. 1992 The critical period of weed control in grain corn (*Zea mays*). Weed Science 40 : 441–447.

Hay, R. K. M., D. L. Smith, dan C. Hamel. 1999. Crop Yield Physiology and Processes. Springer, Berlin.

Idu, M. dan O. Oghale. 2013. Studies on the allelopathic effect of aqueous extract of *Ageratum conyzoides* asteraceae on seedling growth of *Sesamum indicum* L. (pedaliaceae). International Journal of Science, Environment, and Technology 2 : 1185-1195.

Inderjit dan S. O. Duke. 2003. Ecophysiological aspects of allelopathy. Planta 217: 529–539.

Inderjit. 1998. Influence of *Pluchea lanceolata* (asteraceae) on selected soil properties. American Journal of Botany 85 : 64-69.

Johnson, L. A., P. J. White, dan R. Galloway. 2010. Soybeans chemistry, production, processing, and utilization. AOCS Press, Urbana.

Kaisoon, O., S. Siriamornpun, N. Weerapreeyakul, dan N. Meeso. 2011. Phenolic compounds and antioxidant activities of edible flowers from Thailand. Journal of Functional Foods 3 : 88-99.

Kale, S., S. Naik, dan S. Deodhar. 2005. Utilization of *Cosmos sulphureus* Cav. Flower dye on wool using mordant combinations. National Production Rad 5 :19–24.

Khan R. dan M. A. Khan. 2012. Weed control efficiency of bioherbicides and their impact on grain yield of wheat (*Triticum aestivum* L.). European Journal of Applied Sciences 4 : 216-219.

Kobayashi, K. 2004. Factors affecting phytotoxic activity of allelochemicals in soil. Weed Biology and Management 4 : 1–7.

Kong, C., F. Hu, X. Xu, W. Liang, dan C. Zhang. 2004. Allelopathic plants *Ageratum conyzoides* L. Allelopathy Journal 14 : 1-12.

Lambers H., F. S. Chapin, dan T. L. Pons. 2008. Growth and allocation In: plant physiological ecology. Springer, New York.

Li, H., M. Inoue, H. Nishimura, J. Mizutani, dan E. Tsuzuki, 1993. Interactions of *trans*-cinnamic acid, its related phenolic allelochemicals, and abscisic acid in seedling growth and seed germination of lettuce. J. Chem. Ecol. 19 : 1775–1787.

Li, Z. H., Q. Wang, X. Ruan, C. D. Pan, dan D. A. Jiang. 2010. Phenolics and Plant Allelopathy. Molecules 15 : 8933-8952.

Macias, F.A., J. C. G. Galindo, J. M. G. Molinillo., dan H. G. Cutler. 2004. Allelopathy chemistry and mode of action of allelochemichals. CRC Press, New York.

Marwat, K. B., M. A. Khan, A. Nawaz, dan A. Amin. 2008. *Parthenium hysterophorus* L. a potential source of bioherbicide. Pakistan Journal Botany 40 : 1933-1942.

Mersie, W. dan M. Singh. 1987. Allelopathic effect of parthenium *(Parthenium hysterophorus* L.) extract and residue on some agronomic crops and weeds. Journal of Chemical Ecology 13 : 1739-1747.

Mishra, J.S. dan V.P. Singh. 2003. Interference of *Euphorbia geniculata* in soybean chickpea cropping system. Indian Journal of Weed Science 35 : 225–227.

Namkeleja, H. S., M. T. C. Tarimo, dan P. A. Ndakidemi. 2014. Allelopathic effects of *Argemone Mexicana* to growth of native plant species. American Journal of Plant Sciences 5 : 1336-1344.

Norris, R.F. dan M. Kogan. 2000. Interactions between weeds, arthropod pests, and their natural enemies in managed ecosystems. Weed Science 48 : 94–158.

Ohno, T. 2001. Oxidation of phenolic acid derivatives by soil and its relevance to allelopathic activity. Journal of Environmental Quality 30:1631-1635.

Oliveira, C. D., G. L. G. Soares, dan R. M. S. Isaias. 2008. Phytotoxicity of the extracts of *Lonchocarpus muehlbergianus* Hassl. (Fabaceae) leaflets and galls on seed germination and early development of lettuce. Acta Botany Brasilian 22 : 1095-1100.

Oliveira, C. D., G. L. G. Soares, dan R. M. S. Isaias. 2016. Phytotoxicity of the extracts of *Lonchocarpus muehlbergianus* Hassl. (Fabaceae) leaflets and galls on seed germination and early development of lettuce. Journal of Plant Breeding and Crop Science 8 : 189-196.

Oliver, L. R., R. E. Frans., dan R. E. Talbert. 1976. Field competition between tall morningglory and soybean I. growth analysis. Weed Science 24 : 482-488.

Parker, J. S., A. C. Cavell, L. Dolan , K. Roberts, dan C. S. Grierson.2000. Genetic interactions during root hair morphogenesis in *Arabidopsis*. Plant Cell 12 : 1961–1974.

Radosevich, S., J. S. Holt, dan C. Ghersa. 1997. Weed Ecology: Implications for vegetation management. Wiley, New York.

Rice, E. L. 1984. Allelopathy. Academic Press, New York.

Rizvi, S. J. H., H. Haque, V.K. Singh, dan V. Rizvi, 1992. A discipline called allelopathy. In: Allelopathy Basic and Applied Aspects. Chapman and Hall, London.

Robbins, N. S. dan D. M. Pharr. 1988. Effect of restricted root growth on carbohydrate metabolism and whole plant growth of *Cucumis sativus* L. Plant Physiolgy 87 : 409-413.

Rungruang, N., S. Babel, dan P. Parkpian. 2011. Screening of potential hyoperaccumulator for cadmium from contaminated soil. Desalination and Water Treatment 32 : 19-26.

Safdar, M.E., A. Tanveer, A. Khaliq, dan M.S. Naeem. 2014. Allelopathic action of *Parthenium* and its rhizospheric soil on maize as influenced by growing conditions. Planta Daninha 32 : 243-253.

Sastroutomo, S. S. 1990. Ekologi Gulma. Gramedia Pustaka Utama, Jakarta.

Shanee, S., A. Tanveer, M. M. Javaid, K. M. Chaudhry, A. Aziz, A. Khaliq, M. N. Chaudhry, M. A. Pervez, dan I. U. Awan. 2011. Phytotoxic effects of *Euphorbia dracunculoides:* a weed of rainfed chickpea-chickpea cropping system. Spanish Journal of Agricultural Research 9 : 580-588.

Singh, G. 2010. The soybean botany, production and uses. CAB International, London.

Singh, H. P., D. R. Batish, S. Kaur, R. K. Kohli, dan K. S. Dogra. 2004. Allelopathic interference of *Ageratum conyzoides* L. against some crop plants. Fourteenth Australian Weeds Conference : 558-561.

Sisodia, S. dan M. B. Siddiqui. 2010. Allelopathic effect by aqueous extracts of different parts of *Croton bonplandianum* Baill. on some crop and weed plants. Journal of Agricultural Extension and Rural Development 2 : 22-28.

Souza, M. C., C. L. do Amarat, H. H. Tozzi, dan P. L. C. A. Alves. 2013. Germination performance of yellow cosmos : understanding its invasion under tropical conditions. Journal of Agricultural Science 5 : 56-62.

Sumarno dan N. Zuraida. 2006. Hubungan korelatif dan kausatif antara komponen hasil dengan hasil kedelai. Penelitian Pertanian Tanaman Pangan 25 : 38-44.

Treber, I., R. Baličević, dan M. Ravlić. 2015. Assessment of allelopathic effect of *Pale persicaria* on two soybean cultivars. Herbologia 15 : 31-38.

Van Steenis, C. G. G. J. 2008. Flora. Pradnya Paramita, Jakarta.

Verma, M. dan P. B. Rao. 2006. Allelopathic effect of four weed species extracts on germination, growth, and protein in different varieties of *Glycine max* (L.) Merrill. Journal of Environmental Biology 27 : 571-577.

Wann, M. dan C. D. Raper. 1979. A dynamic model for plant growth: adaptation for vegetative growth of soybean. Crop Science 19 : 461-467.

Weir, T. L., S. W. Park, dan J. M. Vivanco. 2004. Biochemical and physiological mechanisms mediated by allelochemicals. Current Opinion in Plant Biology 7 : 472–479.

Wright, D. dan A. W. Lenssen. 2013. Staging soybean development. Agriculture and Environment Extension Publications. Iowa State University, Iowa.

Wu, J., Y. Chang, Y. Tung, M. Tsuzuki, A. Izuka, S. Wang, dan Y. Kuo. 2010. Two novel 15(10-1)abeomuurolane sesquiterpenes from *Cosmos sulphureus*. Helvetica Chimica Acta 93 : 753-756.

Xuan, T. D., Shinkichi T., Hong, N. H., Khanh, T. D., dan Min, C.I. 2004. Assessment of phytotoxic action of *Ageratum conyzoides* L.(Bill goat weed) on weeds. Crop Protection 1 : 1-8.

Zimdahl, R. L. 2007. Fundamentals of weed science. Academic Press, London.