

REFERENCES

- Adawiah, R. A. R. 2018. Potential of Lamtoro Leaves Extract (*Leucaena leucocephala* Lam.) as a Bioherbicide for the Growth of Several Types of Weeds. *Thesis*. Malang: Maulana Malik Ibrahim State Islamic University. 105 pp.
- Abdurrachman, H., I. K. Ngawit, and N. H. Nofus. 2021. Retention of Several Herbicides in Corn and Their Residual Impact on Rhizobium and Peanut Leaves Spot Disease. In *Proceedings Saintek* (3): 496–508.
- Afif, T., D. Kastono, and P. Yudono. 2014. Effect of Types of Manure on the Growth and Yield of Three Green Bean Cultivars (*Vigna radiata* L. Wilczek) in Bugel Beach Sandland, Kulon Progo. *J. Vegetalic*, 3(3): 78–88.
- Ahmad, A. R., V. Handayani, R. A. Syarif and A. N. L. Hamidu. 2019. *Mahogany (Swietenia mahagoni (L.) Jacq) Herbs for Diabetes*. Makassar: CV. Nas Media Pustaka. 42 pp.
- Aisyah, S., S. Hasjim, and P. H. Putri. 2022. The Effectiveness of Reductant Dosage on Weed Control and Its Effect on Inpari Variety Rice Plants 32. *Journal of Agriculture*, 33(3): 342–358.
- Anggraeni. 2022. Effect of Applying Variations in Manure Dosage on the Dry Weight of God's Crown Plants. *Oryza Journal of Biology Education*, 11(1): 21–26.
- Anwar, T., N. Ilyas, R. Qureshi, H. Qureshi, N. Gilani, S. Khan, S. A. Khan, H. Fatimah, M. Waseem and M. Maqsood. 2019. Evaluation of phytotoxic potential of selected plants against weeds. *Applied Ecology and Environmental Research*, 17(6): 12683 – 12696.
- Ariyanti, M., Farida, and U. Umiyati. 2024. Secondary Metabolites in Oil Palm *Scientific Journal of Agriculture*, 12(1): 208 – 215.
- Aye P. A and M. K. Adegun. 2013. Chemical Composition and Some Functional Properties of Moringa, Leucaena and Gliricidia Leaves Meals. *Agriculture and Biology Journal of North America*. 4(1): 71–77.
- Barus, W. A., H. Khair, and M. A. Siregar. 2014. Growth and Production Response of Green Beans (*Phaseolus radiates* L.) due to the Use of Liquid Organic Fertilizer and TSP Fertilizer. *Journal of Agrium*, 19(1): 1–11.
- Chaunan, B. S., R. G. Singh, and G. Mahajan. 2012. Ecology and Management of Weeds under Consevation Agriculture: A Review. *Journal of Crop Protection*, 3(38): 57–65.

- Darana, S. 2011. The Effectiveness of Lamtoro Leaves Extract (*Leucaena* sp.) on Weed Growth in Tea Plantations Has Not Yet Yielded. *Journal of Tea and Quinine Research*, 14(1): 32 – 38.
- Darmanti, S., Santosa, D. Kumala, and N. Hartanto. 2015. Allelopathic Effect of *Cyperus rotundus* L. on Seed Germination and Initial Growth of *Glycine max* (L.) cv. Grobogan. *Journal of Bioma*, 17(2): 61–67.
- Darmanti, S. 2018. Interaction of Allelopathy and Allechemical Compounds: Their Potential as Bioherbicides. *Bulletin of Anatomy and Physiology*, 3(2): 181 – 187.
- Dewantari, R. P., N. E. Suminarti, and S. Y. Tyasmoro. 2015. Effect of Rice Straw Mulch and Weed Weed Time Frequency on Growth and Yield of Soybean Plants (*Glycine max* (L.) Merrill). *Journal of Plant Production*, 3(6):487–495.
- Directorate General of Food Crops. 2023. *Annual Report of the Directorate General of Food Crops in 2023*. Jakarta: Ministry of Agriculture of the Republic of Indonesia.
- Elfrida, S. Jayanthi, and R. D. Fitri. 2018. Utilization of Babadotan Leaves Extract (*Ageratum conyzoides* L.) as a Natural Herbicide. *Journal of Psychiatry* 5(1):50 – 55.
- Frihantini, N., R. Linda, and Mukarlina. 2015. Potential of Apus Bamboo Leaves Extract (*Gigantochloa apus* Kurz) as a Bioherbicide to Inhibit Seed Germination and Growth of Grinting Grass Weed (*Cynodon dactylon* (L.) Pers). *Journal of Protobiont*, 4(2): 77–83.
- Grecia, A. M., A. D. Saraswati, B. Safitri, A. N. Diza, and M. Billah. 2022. Socialization and Training of Organic Herbicides of Coconut Water in Mundusewu Village Farmer Group. *Journal of Community Service*, 2(3): 149 – 155.
- Hambali, S., L. N. Alfiah, and A. Muzafri. Bioherbicide Potential Test of Mahogany Leaves Extract (*Swietenia mahagoni* (L.) Jacq) against the Growth of Babadotan Weed (*Ageratum conyzoides* L.). *Journal of Sungkai*, 10(1): 1 – 8.
- Handika, G., P. Yudono, and R. Rogomulyo. 2016. Effect of Weeding Time on the Growth and Yield of Green Beans (*Vigna radiate* (L.) R. Wilczek) in Samas Beach Sand Land in Bantul. *J. Vegeta*, 5(4): 25–36.

- Harmaeni and W. Wangiyana. 2018. Growth and Yield of Green Beans in Competition with Teki and Grasses in Sterile and Non-Sterile Soils. *Journal of Silva Samalas*, 1(2): 94–101.
- Hartiwi, Y. W., G. Wijana, and R. Dwiyani. 2017. Growth and Yield of Various Varieties of Green Beans (*Vigna radiata* (L.) Wilczek) at Different Water Contents. *Journal of Agrotop*, 7(2): 117 – 129.
- Hastuti, D. 2021. Control of Jajagoan Weed (*Echinochloa crus-galli*) with Vegetable Herbicides from Tembelekan Leaves Extract (*Lantana camara*). *Journal of Agricultural Sciences Tirtayasa*, 3(2): 327 – 338.
- Hindrawati, S., and H. Natalia. 2011. *The Advantages of Lamtoro as Animal Feed*. Sembawa: BPTU Sembawa. 44 pp.
- Indriyanto, 2010. *Forest Ecology*. Jakarta: PT. The Earth of Scripts. 210 pp.
- Khairunnisa, Indriyanto and M. Riniarti. 2018. Potential of Ketapang Leaves Extract, Mahogany, and Umbrella Shades as Bioherbicides against *Cyperus rotundus* L. *Enviro Scienteae*, 14(2): 106 – 113.
- Khare, N., A.D. Marak and S. Rout. 2016. Allelopathic effect of *Leucaena leucocephala* on Pansy (*Viola tricolor* L.). *Journal of Applied and Natural Science*, 8(2): 926–930.
- Khristiana, R. 2019. Studying the Role of Allegochemistry in Agriculture. *Journal of Biology Education*, 12(1): 41 – 46.
- Kristo, I., M. V. Nagy, A. Racz, M. Tar, and A. Ujj. 2022. Effects of Weed Control Treatments on Weed Composition and Yield Components of Winter Wheat (*Triticum aestivum* L.) and Winter Pea (*Pisum sativum* L.) Intercrops. *Agronomy*, 12(10): 2590.
- Kurniawan, A., Yulianti, and E. Nurcahyani. 2019. Bioherbicide Potential Test of Mahogany Leaves Extract (*Swietenia mahagoni* (L.) Jack) on the Growth of Purple Weed (*Cleome rutidosperma* D.C.). *Journal of Biology*, 10(1): 39–46.
- Kusumaningsih, K. R. 2021. Test the Effectiveness of Several Types of Plants with Bioherbicide Potential to Control Babadotan Weeds (*Ageratum conyzoides*). *Journal of Tropical Forests*, 16(2): 215–223.
- Mahardhika, M., A. T. Soejono, and Y. Th. Maria Astuti. Weed Control by Preplanting and Kailan Plants. *Journal of Agromast*, 2(1): 1 – 11

- Manehat, S. J., R. I. C. O. Taolin, and M. A. Lelang. 2015. Effect of Type and Dose of Manure on the Growth and Yield of Green Beans (*Vigna radiata*, L.). *Swan Savannah*, 1(1): 24–30.
- Manik, T. K., D. R. J. Sambodo, and D. Saputra. 2020. Effect of Rainfall Intensity on the Effectiveness of Glyphosate Herbicides in Weed Control of *Ageratum conyzoides*, *Rottboellia exaltata*, and *Cyperus rotundus*. *Agromet*, 34(1): 11–19.
- Maryani, A. T. 2012. The Effect of Water Supply Volume on Oil Palm Seedling Growth in Main Nurseries. *Journal of the University of Jambi*, 1(2): 64 – 73.
- Ningsih, N. E., T. Ekowati, and S. Nurfadillah. 2022. Analysis of the Competitiveness of Indonesian Green Beans (*Vigna radiata*) in the International Market. *Journal of Development Economics and Agribusiness*, 6(4): 1644 – 1654.
- Norman, D. J., R. J. Henny and J. M. F. Yuen. 1997. Dissertation Resistance in Twenty Dieffen Bachia Cultivars. *Hot Science*, 32(4): 709–710.
- Otieno, J. N., K. M. M. Hosea, H. V. Lyaruu, R. L. A. Mahunnah. 2008. Multi-Plant or Single-Plant Extracts, which is the Most Effective for Local Healing in Tanzania. *African Journal of Traditional*, 5(2): 165–172.
- Palijama, W., J. Riry, and A.Y. Wattimena. 2012. Weed Communities in Nutmeg Plantations (*Myristica fragrans* H.) Not Yet Producing and Producing in Hutumuri Village, Ambon City. *Agrologia*, 1(2): 134 – 142.
- Pangabea, N. H., M. Khairani, D. R. Sitepu, and Y. U. Nuzalifa. 2022. Analysis of Weed Plant Vegetation by Quadratic Method in the North Sumatra State Islamic University Area. *Serunai Journal of Education*, 8(2): 171 – 179.
- Pebriani, R. Linda, and Mukarlina. 2013. Potential of Semung Vine Leaves Extract (*Mikania micrantha* H.B.K.) As an Herbicide against Purple Maman Weeds (*Cleome rutidospermae* D.C.) and Bahia Grass (*Paspalum notatum* Flugge). *Protobiont*, 2(2): 32–38.
- Perdani, M. S and Sebayang H. T. 2019. Effect of Fertilizer Type and Weeding Time on Weed Growth in Green Bean Plants (*Vigna radiata* L.). *Journal of Plant Production*, 7(3): 376 – 383.
- Purwono and R. Hartono. 2005. *Green Beans*. Self-Sustaining Spreader. Jakarta. 59 pp.

- Reyndi, M. A., Chairul and Z. Syam. 2015. Test of Organic Mulching on Weeds and Production of Green Beans (*Phaseolus radiatus* L.). *Journal of Biology of Andalas University*, 4(2): 130 – 137.
- Rosida, D. F. 2018. *Lamtoro Gung as a Product of Today's Food Industry*. Surabaya: CV. Pandumedia. 54 pp.
- Sahid, I., M. S. Ishak, F. S. Bajrai, K. M. Jansar, and N. Yusoff. 2017. Quantification and Herbicidal Activity of Mimosine from *Leucaena leucocephala* (Lam.) de Wit. *Transactions on Science and Technology*, 4(2): 62–67.
- Sari, V. I., and R. Jainal. 2020. Test of the Effectiveness of Babadotan Extract (*Ageratum conyzoides*) as a Bioherbicide against the Germination of Green Beans (*Vigna radiate*). *Journal of Precision Agriculture*, 4(2): 18–28.
- Sari, V. I., and R. Ramadhan. 2022. The Utilization of Senduduk Weed (*Melastoma malabathricum*) as a Bioherbicide for Pre-Grown Weed Control. *Journal of Plantation Management*, 3(1): 12 – 16.
- Shofiyatin, S. U., S. W. A. Suedy, and S. Darmanti. 2018. Allelochemical Effect of Kirinyuh Leaves Extract (*Chromolaena odorata* L.) on Vegetative Growth of Soybeans (*Glycine max* (L.) Merr). *Bulletin of Anatomy and Physiology*, 5(2):183 – 189.
- Siburian, Z., H. G. Mawandha, and S. Suryanti. 2024. Weed Diversity of Oil Palm Plants in Flat and Sloping Land. *Agroforetech*, 2(1): 191 – 203.
- Samson, Mahfudz, and S. Samudin. 2019. Growth and Yield of Rice Field Plants (*Oryza sativa*) in Two Varieties and Planting Distance in Palolo District, Sigi Regency. *E-Journal of Science Partners*, 7(1): 36 – 46.
- Singh, R. K., S. R. K. Singh, and U. S. Gautama. Weed Control Efficiency of Herbicide in Irrigated Wheat (*Triticum aestivum*). *Indian Res. J. Ext. Edu*, 13(1): 126 – 128.
- Soltys D, U. Krasuska, R. Bogatek and A. Gniazdowska. 2013. Allelopathicals as Bioherbicides—Present and perspectives. In A. Price and J. A. Kelton. *Herbicide – Current research and Studies in Use*. Published by InTech. Croatia. 517–541.
- Talahatu, D. R., and P. M. Papilaya. 2015. Utilization of Clove Leaves Extract (*Syzygium aromaticum*) as a Natural Herbicide Against The Growth of Teki Grass Weed (*Cyperus rotundus* L.). *Biopendix*, 1(2): 149–159.

- Triharso. 2010. *Fundamentals of Plant Protection*. Yogyakarta: Gadjah Mada University Press. 357 pp.
- Wahyuni, D.T., and S.B. Widjanarko. 2015. "Effect of Solvent Type and Extraction Duration on Yellow Pumpkin Carotenoid Extract by Ultrasonic Wave Method. *Journal of Food and Agroindustry*, 3(2): 390 – 401.
- Xuan, T. D., A. A. Elzaawely, F. Deba, M. Fukuta, and S. Tawata. 2006. Mimosine in *Leucaena* as a Potent Bio-Herbicide. *Agronomy for Sustainable Development*, 26(2): 89–97.
- Yuliana, D. 2018. Effectiveness of the Utilization of Lamtoro Leaves Extract (*Leucaena leucocephala* (Lam.) de Wit) as a Bioherbicide in Controlling Spinach Weeds (*Amanranthus spinosus* L.). *Thesis*. Jember: University of Jember, Agrotechnology Study Program.
- Yuniarti, T. 2008. *Encyclopedia of Traditional Medicinal Plants*. Yogyakarta: Media Pressindo.