

## DAFTAR PUSTAKA

- Abong', G.O., Muzhingi, T., Okoth, M.W., Ng'ang'a, F., Ochieng', P.E., Mbogo, D.M., Malavi, D., Akhwale, M., Ghimire, S. 2020. Phytochemicals in leaves and roots of selected Kenyan orange fleshed sweet potato (OFSP) varieties. *Int. J. Food Sci.* 3567972: 1-11.
- Adam, S.I.Y., Ahmed, W.A.A., Esra, O.M., Nazik, E.Y., Eiman, F.A., Shaimaa, A.A., Abdelgadir, W.S. 2014. Antimicrobial activity of *Manihot esculenta* root methanolic and aqueous extract. *EJBPS*. 1(3): 390-401.
- Adeyemi, O.O., Yemitan, O.K., Afolabi, L. 2008. Inhibition of chemically induced inflammation and pain by orally and topically administered leaf extract of *Manihot esculenta* Crantz in rodents. *J. Ethnopharmacol.* 119(1): 6-11.
- Adibah, K.Z.M. dan Azzreena, M.A. 2019. Plant toxins: alkaloids and their toxicities. *GSC Biol. Pharm. Sci.* 6(2): 21-29.
- Amaza, I.B. 2021. Determination of proximate composition, amino acids, minerals and phytochemical profile of Cassava (*Manihot esculenta*) peel from sweet cassava variety grown in Yobe State of North Eastern Nigeria. *Niger. J. Anim. Prod.* 48(1): 124-134.
- Anbuselvi, S. dan Balamurugan, T. 2014. Phytochemical and antinutrient constituents of cassava and sweet potato. *World. J. Pharm. Pharm. Sci.* 3(3): 1440-1449.
- Artiningsih, N.L.B., Habibah, N., Mastra, N. 2018. Aktivitas Antibakteri Ekstrak Etanol Daun Gamal (*Gliricidia sepium*) pada Berbagai Konsentrasi Terhadap Pertumbuhan Bakteri *Streptococcus mutans* secara *In-Vitro*. *Jurnal Kesehatan*. 9(3): 336-345.
- Badan Pusat Statistik Kabupaten Bojonegoro. 2018. *Laporan Eksekutif Keadaan Angkatan Kerja Kabupaten Bojonegoro*. Bojonegoro: Badan Pusat Statistik Kabupaten Bojonegoro.
- Bahekar, S.E. dan Kale, R.S. 2016. Evaluation of antioxidant activity of *Manihot esculenta* Crantz in wistar rats. *J. Pharm. Bioallied. Sci.* 8(2): 119-123.
- Balouiri, M., Sadiki, M., Ibsouda, S.K. 2016. Methods for *in vitro* evaluating antimicrobial activity: A review. *J. Pharm. Anal.* 6(2): 71-79.
- Bamhare, C. 1998. Suspected cardiac glycoside intoxication in sheep and goats in Namibia due to *Ornithogalum nanodes* (Leighton). *Onderstepoort J. Vet. Res.* 65(1): 25-30.
- Butler, L.G. 1989. Effects of Condensed Tannin on Animal Nutrition. In: Hemingway, R.W., Karchesy, J.J., Branham, S.J. (eds) *Chemistry and Significance of Condensed Tannins*. Boston: Springer. 391-402.
- Camplesi, A.C., Bellodi, C., Socha, J.J.M., Hatayde, M.R., Sobreira, M.F. da R., Araujo, G.H.M., Araujo, C.F.M. 2017. Dogs poisoned with *Nerium oleander*

- fresh leaves: clinical and electrocardiographic findings. *Cienc. Rural.* 47(6): 1-6.
- Cressey, P. dan Reeve, J. 2019. Metabolism of cyanogenic glycosides: A review. *Food Chem. Toxicol.* 125(1): 225-232.
- Daniel, S.L., Cook, H.M., Hartman, P.A. and Allison, M.J. 1989. Enumeration of anaerobic oxalate-degrading bacteria in the ruminal contents of sheep. *FEMS Microbiol. Lett.* 62(5): 329-334.
- de Almeida, A.C.A., de-Faria, F.M., Dunder, R.J., Manzo, L.P.B., Souza-Brito, A.R.M., and Luiz-Ferreira, A. 2017. Recent trends in pharmacological activity of alkaloids in animal colitis: potential use for inflammatory bowel disease. *Evid. Based Complement. Alternat. Med.* 8528210:1-25.
- de Jesus, N.Z.T., Falcão, H. de S., Gomes, I. F., Leite, T. J. de A., Lima, G.R. de M., Barbosa-Filho, J.M., Tavares, J.F., da Silva, M.S., de Athayde-Filho, P.F., Batista, L.M. 2012. Tannins, peptic ulcers and related mechanisms. *Int. J. Mol. Sci.* 13(3): 3203–3228.
- Dinas Peternakan dan Perikanan Kabupaten Bojonegoro. 2021. *Data Populasi Hewan Ternak Kabupaten Bojonegoro Per Tahun.* <https://data.bojonegorokab.go.id/dinas-peternakan-dan-perikanan.html@detail=populasi-hewan-ternak>. Diakses pada 22 Desember 2021.
- Djeussi, D.E., Noumedem, J.A.K., Mihasan, M., Kuate, J.R., Kuete, V. 2020. Antioxidant activities of methanol extracts of thirteen cameroonian antibacterial dietary plants. *J. Chem.* 8886762: 1-13.
- Dusuki, N.J.S., Abu Bakar, M.F., Abu Bakar, F.I., Ismail, N.A., Azman, M.I. 2019. Proximate composition and antioxidant potential of selected tubers peel. *Food Res.* 4(1): 121-126.
- Ergina, Nuryanti, S., Pursitasari, I.D. 2014. Uji kualitatif senyawa metabolit sekunder pada daun palado (*Agave angustifolia*) yang diekstraksi dengan pelarut air dan etanol. *J. Akad. Kim.* 3(3): 165–172.
- Everest, M.A., Gonella, M.P., Bowler, H.G., Waschak, J.R. 2019. How toxic is milkweed when harvested and cooked according to Myaamia tradition?. *Ethnobiol. Lett.* 10(1): 50-56.
- Feliana, F., Laenggeng, A.H., Dhafir, F. 2014. Kandungan gizi dua jenis varietas singkong (*Manihot esculenta*) berdasarkan umur panen di Desa Siney Kecamatan Tinombo Selatan Kabupaten Parigi Moutong. *Jurnal E-Jipbiol.* 2(3): 1-14.
- Felicilda-Reynaldo, R.F. 2013. Cardiac glycosides, digoxin toxicity, and the antidote. *Medsurg Nurs.* 22(4): 258-261.

- Fishbein, G.A., Micheletti, R.G., Currier, J.S., Singer, E., Fishbein, M.C. 2008. Atherosclerotic oxalosis in coronary arteries. *Cardiovasc. Pathol.* 17(2): 117–123.
- Fitriani, H., Hartati, N.S., Sudarmonowati, E. 2019. Uji adaptasi dan produksi tiga kandidat ubi kayu (*Manihot esculenta* Crantz) unggul di lahan gambut Kalimantan Tengah. *Jurnal Ilmu Dasar.* 20(2): 75–82.
- Forero, L., Nader, G., Craigmill, A., Ditomaso, J.M., Puschner, B., Maas, J. 2010. Livestock-Poisoning Plants of California. *ANR.* 8398: 1-44.
- Francisco, I.A. and Pinotti, M.H.P. 2000. Cyanogenic glycosides in plants. *Braz. Arch. Biol. Technol.* 43(5): 487–492.
- Galey, F.D., Holstege, D.M., Plumlee, K.H., Tor, E., Johnson, B., Anderson, M.L., Blanchard, P.C., Brown, F. 1996. Diagnosis of oleander poisoning in livestock. *J. Vet. Diagn. Invest.* 8(3): 358–364.
- Gensa, U. 2019. Review on Cyanide Poisoning in Ruminants. *J. Biol. Agric. Healthc.* 9(6): 1–12.
- Hlaing, S. dan Kyaw, H.A. 2005. Phytochemical Studies OH *Momordica* spp. Linn, and extraction and isolation of charantin from the fruit of *M. charantia* L. *Jour. Myan. Acad. Arts and Sc.* 3(4): 225-236.
- Hwang, J.H., Choi, H., Woo, E.R., Lee, D.G. 2013. Antibacterial Effect of Amentoflavone and Its Synergistic Effect with Antibiotics. *J. Microbiol. Biotechnol.* 23(7): 953-958.
- International Plant Names Index. 2021. *Manihot glaziovii* Müll. Arg. <https://www.ipni.org/n/321511-2>. Diakses pada 7 Februari 2022.
- Islamiyati, R. dan Saputri, I.N. 2018. Uji Perbedaan Aktivitas Antioksidan Dengan Variasi Konsentrasi Pelarut Etanol 70% dan 96% pada Ekstrak Etanol Daun Salam Menggunakan Metode Perendaman Radikal Bebas DPPH. *Cendekia Journal of Pharmacy.* 2(2): 134-142.
- Ismail, A.M., Mohamed, E.A., Marghany, M.R., Abdel-Motaal, F.F., Abdel-Farid, I.B., El-Sayed, M.A. 2016. Preliminary phytochemical screening, plant growth inhibition and antimicrobial activity studies of *Faidherbia albida* legume extracts. *J. Saudi Soc. Agric. Sci.* 15(2): 112–117.
- Jam, N., Hajimohammadi, R., Gharbani, P., Mehrizad, A. 2021. Evaluation of antibacterial activity of aqueous, ethanolic and methanolic extracts of areca nut fruit on selected bacteria. *Biomed Res. Int.* 6663399: 1-8.
- Joseph, T., Yeoh, H.-H., Loh, C.-S. 2000. Somatic embryogenesis, plant regeneration and cyanogenesis in *Manihot glaziovii* Muell. Arg. (ceara rubber). *Plant Cell Rep.* 19(1): 535-538.

- Joshi, V., Penalosa, A., Joshi, M., Rodriguez, S. 2021. Regulation of Oxalate metabolism in spinach revealed by RNA-Seq-Based transcriptomic analysis. *Int. J. Mol. Sci.* 22(10): 1-17.
- Kapepula, P.M., Tshala-Katumbay, D., Mumba, D., Frédérick, M., Mbemba, T., Ngombe, N.K. 2018. *Traditional Foods as Putative Sources of Antioxidants with Health Benefits in Konzo in Antioxidants*. In: *Foods and Its Applications*. InTech, London. Edited by Emad Shalaby and Ghada Mostafa Azzam.
- Kementerian Pertanian. 2016. *Outlook Komoditas Pertanian Sub Sektor Tanaman Pangan: Ubi Kayu*. Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian. Jakarta.
- Kepp, O., Menger, L., Vacchelli, E., Adjemian, S., Martins, I., Ma, Y., Sukkurwala, A.Q., Michaud, M., Galluzzi, L., Zitvogel, L., Kroemer, G. 2012. Anticancer activity of cardiac glycosides. *Oncoimmunology*. 1(9): 1640-1642.
- Kgosana, K.G. 2019. The effects of extraction techniques and quantitative determination of oxalates in *Nerium oleander* and feeds. *Onderstepoort J. Vet. Res.* 86(1): 1-9.
- Kole, C. 2011. *Wild Crop Relatives: Genomic and Breeding Resources: Industrial Crops*. Berlin: Springer.
- Kuncoro, D.M. 1993. *Tanaman Yang Mengandung Zat Pengganggu*. Jakarta: Amalia.
- Lateef, A., Oloke, J.K., Kana, E.B.G., Oyeniyi, S.O., Onifade, O.R., Oyeleye, A.O., Oladosu, O.C., Oyelami, A.O. 2008. Improving the quality of agro-wastes by solid-state fermentation: Enhanced antioxidant activities and nutritional qualities. *World J. Microbiol. Biotechnol.* 24(1): 2369-2374.
- Liu, W., Yin, D., Li, N., Hou, X., Wang, D., Li, D., Liu, J. 2016. Influence of environmental factors on the active substance production and antioxidant activity in *Potentilla fruticosa* L. and its quality assessment. *Sci. Rep.* 6, 28591: 1-18.
- Madalena, Heriyanto, Hastuti, S.P., Limantara, L. 2007. Pengaruh lama pemanasan terhadap kandungan pigmen serta vitamin A daun singkong (*Manihot esculenta* Crantz) dan daun singkong karet (*Manihot glaziovii* Muell. Arg). *Indo. J. Chem.* 7(1): 105-110.
- Mangoale, R.M. dan Afolayan, A.J. 2020. Comparative phytochemical constituents and antioxidant activity of wild and cultivated *Alepidea amatymbica* Eckl & Zeyh. *Biomed Res. Int.* 5808624: 1-13.
- María, R., Shirley, M., Xavier, C., Jaime, S., David, V., Rosa, S., Jodie, D. 2018. Preliminary phytochemical screening, total phenolic content, and antibacterial activity of thirteen native species from Guayas province Ecuador. *J. King Saud Univ. Sci.* 30(4): 500–505.

- McKenzie, R.A. 2012. *Australia's Poisonous Plants, Fungi and Cyanobacteria: A guide to Species of Medical and Veterinary Importance*. Australia: CSIRO Publishing.
- Mohan, V.R., Tresina, P.S., Daffodil, E.D. 2016. Antinutritional Factors in Legume Seeds: Characteristics and Determination. In *Encyclopedia of Food and Health*. London: Elsevier. 211-220.
- Morsy, N. 2017. *Aromatic and Medicinal Plants*. In: *Aromatic and Medicinal Plants - Back to Nature*. Edited by Hany El-Shemy.
- Murugan, T., Wins, J.A., Murugan, M. 2013. Antimicrobial Activity and Phytochemical Constituents of Leaf Extracts of *Cassia auriculata*. *Indian J. Pharm. Sci.* 75(1): 122-125.
- Mustarichie, R., Sulistyaningsih, S., Runadi, D. 2020. antibacterial activity test of extracts and fractions of cassava leaves (*Manihot esculenta* Crantz) against clinical isolates of *Staphylococcus epidermidis* and *Propionibacterium acnes* causing acne. *Int. J. Microbiol.* 1975904: 1-9.
- Natesh, H.N., Abbey, L., Asiedu, S.K. 2017. An overview of nutritional and anti nutritional factors in green leafy vegetables. *Horticult Int J.* 1(2): 58-65.
- Nduche, M.U., Edeoga, H.O., Omusun, G. 2018. Phytochemical and trace heavy metal composition of *Manihot Esculenta* (Crantz) and *Manihot Glaziovii* (Muell. Arg) complex in Nigeria. *Sumerianz J. Agric. Vet.* 1(2): 43-47.
- Okoro, I.O. 2020. Effects of extraction solvents on the antioxidant and phytochemical activities of *Manihot esculenta* leaves. *Iran. J. Toxicol.* 14(1), 51-58.
- Patra, A.K. 2012. An overview of antimicrobial properties of different classes of phytochemicals. *Dietary Phytochem. Microbes.* 18(1): 1-32.
- Pereira, L.S., Gomes, V.M., Fernandes, K.V.S., Sales, M.P., Xavier-Filho, J. 1999. Insecticidal and antifungal proteins of the latex from *Manihot glaziovii* Muell. Arg. *Braz. J. Bot.* 22(1): 27-30.
- Pérez, V., Doce, R.R., García-Pariente, C., Hervás, G., Ferreras, M.C., Mantecón, A.R., Frutos, P. 2011. Oak leaf (*Quercus pyrenaica*) poisoning in cattle. *Res. Vet. Sci.* 91(2): 269-277.
- Perrut-Lima, P., Mühlen, G.S., Carvalho, C.R.L. 2014. Cyanogenic glycoside content of *Manihot esculenta* subsp. *flabellifolia* in south-central Rondônia, Brazil, in the center of domestication of *M. esculenta* subsp. *esculenta*. *Genet. Resour. Crop Evol.* 61(1): 1035–1038.
- Pizzi, A. 2021. Tannins medical/pharmacological and related applications: A critical review. *Sustain. Chem. Pharm.* 22,100481:1-14.
- Pratama, A.M., Herawati, O., Nuranisa, N.R., Hanifah, N., Wijayanti, A.D., Rahmatullah, S., Nuraini, E., Budiyo, A. 2022. Identification of poisonous

- plants and their solutions for traditional livestock in Bojonegoro District, East Java, Indonesia. *Biodiversitas*. 22(1): 446-452.
- Purwanto, D., Bahri, S., Ridhay, A. 2017. Uji aktivitas antioksidan ekstrak buah purnajiwa (*Kopsia arborea* Blume.) dengan berbagai pelarut. *Kovalen*. 3(1): 24–32.
- Purwono, M.S. dan Purnamawati, H. 2007. *Budidaya 8 Jenis Tanaman Pangan Unggul*. Jakarta: Penebar Swadaya.
- Rahman, M.M., Abdullah, R.B., and Khadijah, W.E.W. 2012. A review of oxalate poisoning in domestic animals: tolerance and performance aspects. *J. Anim. Physiol. Anim. Nutr.* 97(4): 605–614.
- Restiani, R., Roslim, D.I., Herman. 2014. Karakter Morfologi Ubi Kayu (*Manihot esculenta* Crantz) Hijau Dari Kabupaten Pelalawan. *JOM FMIPA*. 1(2): 619–623.
- Roberts, D.M., Gallapathy, G., Dunuwille, A., Chan, B.S. 2016. Pharmacological treatment of cardiac glycoside poisoning. *Br. J. Clin. Pharmacol.* 81(3): 488–495.
- Saleh, N., Taufiq, A., Widodo, Y., Sundari, T., Gusyana, D., Rajagukguk, R.P., Suseno, S.A. 2016. *Pedoman Budi Daya Ubi Kayu di Indonesia*. Jakarta: IAARD Press.
- Sasikala, M. dan Sundaraganapathy, R. 2017. Qualitative analysis of alkaloids exist in the hydroalcoholic extract of *Ipomoea aquatica* for SSK. in Tamil Nadu. *Int. J. Chemtech Res.* 10(7): 446–454.
- Savage, G.P., Vanhanen, L., Mason, S.M., Ross, A.B. 2000. Effect of cooking on the soluble and insoluble oxalate content of some New Zealand foods. *J. Food Compost. Anal.* 13(3): 201–206.
- Scalbert, A. 1991. Antimicrobial Properties of Tannins. *Phytochemistry*. 30(12): 3875-3883.
- Shahbazi, Y. 2017. Antibacterial and antioxidant properties of methanolic extract of apple (*Malus pumila*), grape (*Vitis vinifera*), pomegranate (*Punica granatum* L.) and common fig (*Ficus carica* L.) fruits. *Pharm. Sci.* 23: 308-315.
- Shirima, E.I.M., Njau, F.B.C., Buza, T.J., Kyamanywa, R.S. 2002. Cassava-like tree (*Manihot glaziovii*) in combating fodder, vegetable, and fuel wood shortage in rural communities: it's potential uses and limitations in semi-arid areas of Central Tanzania. *Discov. and Innov.* 1(1): 90-97.
- Siqueira, C.F. de Q., Cabral, D.L.V., Sobrinho, T.J. da S.P., de Amorim, E.L.C., de Melo, J.G., Araújo, T.A. de S., de Albuquerque, U.P. 2012. Levels of Tannins and Flavonoids in Medicinal Plants: Evaluating Bioprospecting Strategies. *Evid. Based Complementary Altern. Med.* 434782: 1-7.



- Suprpti, M.L. 2005. *Tepung Tapioka dan Pemanfaatannya*. Yogyakarta: Kanisius.
- Sutiningsih, D., Wuryanto, M.A., Susanto H.S., Hariyadi, S., Mustofa. 2020. Anticancer activity of linamarin from cassava leaves (*Manihot esculenta* Cranz) on raji cells. *Int. J. Cancer Res.* 16(1): 18–27.
- Tao, H.T., Qiu, B., Du, F.L., Xu, T.C., Liu, L.N., Lü, F., Li, K.M., Liu, W. 2015. The protective effects of cassava (*Manihot esculenta* crantz) leaf flavonoid extracts on liver damage of carbon tetrachloride injured mice. *Afr. J. Tradit. Complement. Altern. Med.* 12(1): 52-56.
- Tao, H., Cui, B., Zhang, H., Bekhit, A.E., Lu, F. 2019. Identification and characterization of flavonoids compounds in cassava leaves (*Manihot esculenta* Crantz) by HPLC/FTICR-MS. *Int. J. Food. Prop.* 22(1): 1134-1145.
- Tiwari, U. dan Cummins, E. 2013. Factors influencing levels of phytochemicals in selected fruit and vegetables during pre- and post-harvest food processing operations. *Food Res. Int.* 50(2):497-506.
- Truong, D.H., Nguyen, D.H., Ta, N.T.A., Bui, A.V., Do, T.H., Nguyen, H.C. 2019. Evaluation of the use of different solvent for phytochemical constituents, antioxidants, and *in vitro* anti-inflammantory activities of *Severinia buxifolia*. *J. Food Qual.* 8178294: 1-9.
- United States National Herbarium. (1891). *Contributions from the United States National Herbarium*. Washington: Smithsonian Institution Press.
- Wang, Q., Liu, L., Wang, L., Guo, Y., Wang, J. 2016. *Peanuts: Processing Technology and Product Development*. London: Elsevier Science.
- Widowati, W. 2011. Uji fitokimia dan potensi antioksidan ekstrak etanol kayu secang (*Caesalpinia sappan* L.) *JKM.* 11(1): 23-31.
- Xiao, L., Cao, S., Shang, X., Xie, X., Zeng, W., Lu, L., Kong, Q., Yan, H. 2021. Metabolomic and transcriptomic profiling reveals distinct nutritional properties of cassavas with different flesh colors. *Food Chem.: Molecular Science.* 100016: 1-8.
- Yacout, M.H.M. 2016. Anti-nutritional factors and its roles in animal nutrition. *J. Dairy Vet. Anim. Res.* 4(1). 237-239.
- Yanuartono, Nururrozi, A., Indarjulianto, S., Purnamaningsih, H., Raharjo, S. 2019. Metode tradisional pengolahan bahan pakan untuk menurunkan kandungan faktor antinutrisi: review singkat. *Jurnal Ilmu Ternak.* 19(2):13-23.
- Yildiz, K., Dokuzeylul, B., Gonul, R., O.R., M.E. 2017. Cyanide Poisoning in Cattle. *J. Dairy Vet. Anim.* 1(4):1-3.
- Zhang, Y.J., Gan, R.Y., Li, S., Zhou, Y., Li, A.N., Xu, D.P., Li, H.B. 2015. Antioxidant phytochemicals for the Prevention and Treatment of Chronic Disesease. *Molecules.* 20(12): 21138-21156.