

DAFTAR PUSTAKA

- Abidemi, O.O. 2013. Proximate composition and vitamin levels of seven medicinal plants. *Intl J. Eng. Sci. Invention*, 2(5): 47-50
- Alonso, M.F and R.K. Stephen. 2009. Predicting Water Use, Crop Growth and Quality of Bermuda Grass Under Saline Irrigation. California Department of Water Resources. California, Davis. Pp 8.
- Animut, G., A.L. Goetsch, G.E. Aiken, R. Puchala, G. Detweiler, R.C., Krehbiel, R.C. Merkel, T. Sahlu Dan L.J. Dawson. 2007. Effects of pasture inclusion of *Mimosa* growth by sheep and goats co-grazing grass/forb pastures. *Journal of Applied Animal Research*, 31:1, 1-10.
- Anoka, U. O., I. O. Akobundu and N. C. Okonkwo. Effects of *Gliricidia sepium* (Jacq.) Steud and *Leucaena leucocephala* (Lam.) de Wit on growth and development of *Imperata cylindrica* (L.) Raeuschel. *Agroforestry Systems* 16: 1-12.
- AOAC. 2005. Official Method of Analysis. 12th ed. Association of Official Analytical Chemist. Washington D.C.
- Ardiana, I., W. Widodo dan Y. Liman. 2015. Potensi pakan hasil limbah jagung (*Zea mays* L) di Desa Braja Harjosari, Kecamatan Braja Selehah, Kabupaten Lampung Timur. *Jurnal Ilmiah Peternakan terpadu* 3 (3): 170-174.
- Ajayi, D. A., J. A. Adeneye dan F. T. Ajayi. 2005. Intake and nutrient utilization of west african dwarf goats fed mango (*Mangifera indica*), ficus (*Ficus thonningii*), *gliricidia* (*Gliricidia sepium*) foliage and concentrates as supplements to basal diet of guinea grass (*panicum maximum*). *World J. Agric. Sci.*, 1 (2): 184-189.
- Acquaah, G. 2012. Principle of Plant Genetics and Breeding. 2nd ed. Jhon and Son, Ltd. West Sussex, UK.
- Aulia, F., Erwanto dan A. K. Wijaya. 2017. Pengaruh umur pemotongan terhadap kadar air, abu dan lemak kasar *Indogefera zollingeriana*. *Jurnal Riset dan Inovasi Peternakan* 1(3):1-4.
- Balseca, D.G., G.C. Eugenia, B.L. Hilda, P.G Hernan dan C.M. Juan. 2015. Nutritional value of *brachiaria* and forage legume in the humid tropics of ecuador. *Ciencia e Investigation Agraria* 42(1):57-63.
- Barnes, R.F. and C.J. Nelson. 2003. Forages and grassland in a Changing world in Forages and Introduction to Grassland Agriculture. Barnes F.B., C.J Nelson, C. Michael dan K.J. Moore. (eds). Vol 1. Blackwell publishing Company, 2121 State Avenue, Iowa.

- Belesky. D.P., H. D.Perry and W. R. Windham, 1991. Productivity and quality of bermuda grass in a cool temperate environment. *Agronomy Journal*. 83(5): 810-813.
- Bennison, J. J. and R. T. Paterson. 1993. Use of Trees by Livestock 3: *Gliricidia*. Natural Resources Institute. Chatham, UK.
- BPS Kabupaten Brebes. 2019. Kabupaten Brebes dalam Angka. Badan Pusat Statistik Kabupaten Brebes. Brebes, Jawa Tengah.
- Bruand, A., C. Hatmann and G. Lesturgez. 2005. Physical properties of tropical sandy soils: A large range of behaviours. In *Management of Tropical Sandy Soils for Sustainable Agriculture, Proceedings of the A Holistic Approach for Sustainable Development of Problem Soils in the Tropics*, Khon Kaen, Thailand, 27 November 2005–2 December 2005; FAO: Rome, Italy, 2005.
- Budimana, R.D. Soetrisno, S.P.S. Budhi. Dan A. Indrianto. 2011. Total non-structural carbohydrate (TNC) of three cultivars of Napier grass (*Pennisetum purpureum*) at vegetative and reproductive phase. *J. Indonesian Trop. Anim. Agric.* 36(2):126-130.
- Candra, A.A.,Y. Ridwan dan E.B. Retnani. 2005. Potensi anthelmintik akar tanaman putri malu (*mimosa pudica*. L) terhadap *Hymenolepis nana* pada mencit. *J. Media Peternakan*, 31(1): 29-35.
- Caro, J.A. 1982. Sinopsis taxonomic of the argentine grasses. *Dominguezia*, 4, (1): 1-51.
- Clayton, W.D dan, S.A. Renvoize. 1986. *Genera graminum : Grasses of the World* Additional Series XIII. Kew Bull. Royal Botanic Gardens, Kew.
- Cong, W. F., J. Jing, J. Rasmussen, K. Soegaard and J. Eriksen. 2017. Forbs enhance productivity of unfertilised grass clover leys and support loc carbon bioenergy. *Scientific Reports*, 7:1422. pp.1-10
- Cook, B. G., B. C. Pengelly, S. D. Brown, J. L. Donnelly, D. A. Eagles, M. A. Franco, J. Hanson, B. F. Mullen, I. J. Partridge, M. Peters and R. Schultze-Kraft. 2005. *Tropical Forages: An Interactive Selection Tool*. CSIRO, DPI&F(Qld), CIAT and ILRI. Brisbane, Australia.
- Coulloudon, B., E.G. James, H. Ned, J. Curt, P. Mike, P. Paul, R. Allen, R. Ben, S. Pat, S. Jhon dan W. Jhon. 1999. *Sampling Vegetation Attributes Interagency Technical Reference*. U.S. Department of Agriculture: Natural Resource Conservation Service, Grazing Land Technology Institute. Denver, Colorado. pp. 23-28.
- Craven, D., F. Isbell, P. Manning, J. Connolly, H. Bruelheide, A. Ebeling, C. Roscher, J.V. Ruijven, A. Weigelt, B. Wilsey, C. Beierkuhnlein, E.D. Luca, J.N. Griffin, Y. Hautier, A. Hector, A. Jentsch, J. Kreyling, V. Lanta, M. Loreau, S.T. Meyer, A.S. Mori, S. Naeem, C. Palmborg, H.W. Polley, P.B. Reich, B. Schmid, A. Siebenka's, E. Seabloom, M.P.

- Thakur, D. Tilman, A. Vogel and N. Eisenhauer. 2016. Plant diversity effects on grassland productivity are robust to both nutrient enrichment and drought. *Phil. Trans. R. Soc. B* 371.
- Crowder, L. V. and H. R. Cheda 1982. *Tropical Grasslands Husbandry (Tropical Agricultural Series)*. Longman Group. London. pp. 433
- Cruz, C., D. Driemeier, V.S. Pires, E.M. Colodel, A.T.C. Taketa, and E.P. Schenkel. 2000. Isolation of steroidal sapogenins implicated in experimentally induced cholangiopathy of sheep grazing *brachiaria decumbens* in Brazil. *Veterinary and Human Toxicology*, Manhattan, 42 (3): 142-145.
- Daryanto. 2016. *Kecamatan Bumiayu dalam Angka 2016*. Badan Pusat Statistik Kabupaten Brebes. Brebes, Jawa Tengah.
- Damayanti, E. 2017. *Pengukuran Produksi Rumput dan Forbs pada Musim Penghujan di Banyusoca, Playen, Gunungkidul, Yogyakarta*. Skripsi Sarjana Peternakan. Fakultas Peternakan, Universitas Gadjah Mada. Yogyakarta.
- Dasci, M and B. Comakli. 2011. Effect of fertilization on forage yield and quality in range sites with different topographic structure. *Turkish Journal of Field Crops*, 16(1): 15-22.
- Decoteau, D.R. 2005. *Principles of Plant Science: Environmental factor and Technology in Growing Plants*. Pearson Education, Inc. New Jersey.
- DKIS Brebes. 2017. *Brebes dalam Data 2017*. Dinas Komunikasi Informatika dan Statistik Kabupaten Brebes. Brebes, Jawa Tengah.
- DPSDAPR Brebes. 2018. *Banyaknya Curah Hujan Dan Hari Hujan Menurut Bulan dan Kecamatan di Kabupaten Brebes 2018*. Dinas Pengelolaan Sumber Daya Air dan Penataan Ruang Kabupaten Brebes. Brebes, Jawa Tengah.
- Dougherty, M.; Burger, J.A.; Feldhake, C.M. dan Abdelgadir, A.H. (2013) - Calibration and use of plate meter regressions for pasture mass estimation in an Appalachian silvopasture. *Archives of Agronomy and Soil Science*, 59 (2) : 305-315
- Downey, D., R. Ehsani, K. Giles, S. Haneklaus, D. Karimi, K. Panten, F. Pierce, E. Shugart, D. Slughter, S. Upadhyay, dan D. Wulfsohn. 2010. *Advanced Engineering Systems for Specialty Crops: A Review of Precision Agriculture for Water, Chemical, and Nutrient Application, and Yield Monitoring*. *Landbauforschung vTI Agriculture and Forestry Research*. Germany. Special issue 340.
- Ecocrop. 2019. *Ecocrop Database FAO*. Tersedia di <http://ecocrop.fao.org/>. Diakses tanggal 18 September, 2019.
- Ecoport. 2019. *Ecoport Database*. Tersedia di <http://www.ecoport.org/>. Diakses tanggal 17 September, 2019.

- Emawati, N. M. L. dan I. K. Ngawit. 2015. Eksplorasi dan indentifikasi gulma, hijauan pakan dan limbah pertanian yang dimanfaatkan sebagai pakan ternak di wilayah lahan kering Lombok Utara. Buletin Peternakan 39 (2): 92-102.
- FAO. 2019. Grassland Index. A searchable Catalogue of Grass and Forage Legumes. Tersediadi <http://www.fao.org/ag/AGP/AGPC/doc/GBASE/default.htm>. Diakses tanggal 17 September 2019.
- Forest and K. Starr. 2017. Signal grass (*Brachiaria decumbens*). Feedipedia, a programme by INRA, CIRAD, AFZ and FAO. <https://www.feedipedia.org/node/489> Last updated on July 3, 2017, 11:17
- Fachrul, M.F. 2012. Metode Sampling Bioekologi. Bumi Aksara. Jakarta.
- George, M. and R. Kevin. 2019. Plant Growth and Development in Ecology and Management of Annual Rangelands. Department of Plant Science, UC Davis. pp. 73.
- Garsetiasih, R dan N. Herlina. 2005. Evaluasi plasma nutfah rusa toto (Axis axis) di halaman istana Bogor. Buletin Plasma Nutfah 11 (1): 34-40.
- Gleason, H.A. and A. Cronquist. 1991. Manual of Vascular Plants of Northeastern United States and Adjacent Canada. 2nd ed. New York, New York Botanical Garden 910.
- Gulwa, U., N. Mgujulwa and S. T. Beyene. 2017. Effect of grass-legume intercropping on dry matter yield and nutritive value of pasture in the eastern Cape Province, South Africa. Journal of Agricultural Research 5(6): 355-362.
- Gulwa, U., N. Mgujulwa and S. T. Beyene. 2018. Benefits of grass legume inter-cropping in livestock system. African Journal of Agriculture Research 13(26):1311-1319
- Gutteridge, R.C., and H. M. Shelton. 1998. The Role of Forage Tree Legumes in Cropping and Grazing System. The Tropical Grassland Society of Australia Inc. CSIRO Cunningham Laboratory, Queensland.
- Godwin R.J. and P.C.H. Miller P.C.H. 2003. A review of the technologies for mapping within-field variability. Biosys. Eng., 84: 393–407.
- GPWG. 2001. Phylogeny and subfamilial classification of the grasses (Poaceae). Annals of the Missouri Botanical Garden, 88 (3): 373-457.
- Hall, J.B., W.W. Seay and S.M. Baker. 2009. Nutrition and Feeding of the Cow-Calf Herd: Production Cycle Nutrition and Nutrient Requirements of Cows, Pregnant Heifers and Bulls. Communications and Marketing, College of Agriculture and Life Sciences, Virginia Polytechnic Institute and State University, US.

- Hartadi, H., L. C. Kearl, S. Reksohadiprojo, L.E Harris dan S. Lebdosukoyo. Tabel-Tabel dari Komposisi Bahan Makanan Ternak untuk Indonesia. Gajah Madad University Press. Yogyakarta.
- Hassoun, P. 2015. *Leucaena* (*Leucaena leucocephala*). Feedipedia, a programme by INRA, CIRAD, AFZ and FAO. <https://feedipedia.org/node/282> Last updated on September 9, 2015, 10:46
- Heady, H.F. 1994. Summary: ecological implication pf livestock herbivory in thewest In *Ecological Implication of Livestock herbivory in the West*. M. Vavra, W.Laycock, dan R.D. Pieper (eds). Soc. Range Mgt., Denver, CO. pp.289-297.
- Heuze, V. and G. Tran. 2015. *Gliricidia* (*Gliricidia sepium*). Feedipedia, a Programme by INRA, CIRAD, AFZ and FAO. Tersedia di <https://www.feedipedia.org/node/552>. Diakses tanggal 18 September, 2019.
- Heuze, V., G Tran, R. Delagarde and F. 2016. Blanket grass (*Axonopus compressus*). Feedipedia, a programme by INRA, CIRAD, AFZ and FAO. Tersedia di <https://www.feedipedia.org/node/321>. Diakses tanggal 2 Oktober, 2019.
- Heuze, V. and G. Tran. 2016. *Centro* (*Centrosema molle*). Feedipedia, a Programme by INRA, CIRAD, AFZ and FAO. Tersedia di <https://www.feedipedia.org/node/321>. Diakses tanggal 18 September, 2019.
- Hidayat, O.T., I. Heliati dan I. Solihat. 1997. Teknik Budidaya Rumput *Brachiaria decumbens* (rumput Bede). Balai Penelitian Ternak Ciawi, Bogor
- Hitchcock, A.S. 1950. *Manual of the Grasses of the United States*. USDA. Miscellaneous, Washington.
- Holecheck, J.L. 2002. Do most livestock losses to poisonous plants result from poor range management. *J. Range Manage.* 55 (2): 70-76.
- Horrocks, R. D., and F.V. Jhon. 1999. *Harvested Forages*. Academic Press. San Diego, California. pp.384.
- Hocking, D., and Mattick, A. 1993. Dynamic *carrying capacity* analysis as tool for conceptualizing and planning range management improvements, with a case study from India. Tersedia di [http://www.odi.org.uk/netwo rks/pdn/paper s/34c.pdf](http://www.odi.org.uk/netwo%20rks/pdn/papers/34c.pdf). Diakses pada tanggal 18 Desember 2019.
- Humphrey, R. 1977. *Arizona Range Grasses; Their description, Forage Value, and Management*. University of Arizona Press, Tucson, Arizona. pp.159.

- Ibeh, B. O. and Ezeaja, M. L. 2011. Preliminary study antidiabetic activity of the methanolic leaf extract of *Axonopus compressus* (P. Beauv) in alloxin-induced diabetic rats. *Journal of Ethnopharmacology*, 138 (3): 713-716.
- Ibrahim, M. A., F. Holmann, M. Hernandez, and A. Camero. 2000. Contribution of *Erythrina* protein banks and rejected bananas for improving cattle production in the humid tropics. *Agrofor. Sys.*, 49 (3): 245-254.
- Iyayi, E. A., H. Kluth and M. Rodehutsord. 2008. Effect of heat treatment on antinutrients and precaecal crude protein digestibility in broilers of four tropical crop seeds. *Int. J. Food Sci. Technol.*, 43 (8): 610-616.
- Jones, A. 2000. Effects of cattle grazing on North American arid ecosystems: a quantitative review. *Western North American Naturalist* 60:155-164.
- Junaidi, M. dan D. Sawn. 2010. Keragaman Botanis dan Kapasitas Tampung Padang Penggembalaan Alami di Kabupaten Yapen. *Jurnal Ilmu Peternakan*. 5 (2): 92-97.
- Kamal, M. 1997. *Nutrisi Ternak*. Fakultas Peternakan UGM. Yogyakarta.
- Kaswati, Sumadi dan N. Ngadiyono. 2013. Estimasi nilai heritabilitas berat lahir, sapih, dan umur satu tahun pada sapi bali di Balai Pembibitan Ternak Unggu Sapi Bali. *Buletin Peternakan* 37(2): 74-78.
- Kelemen, J. and P. Warner. 1996. *Nature Conservation Management of Grasslands in Hungary*. Summary. Conservation Handbook Series of the Hungarian National Authority for Nature Conservation, pp.39.
- Kementrian Pertanian. 2012. Keputusan Menteri Pertanian No 2842/Kpts/LB.430/8/2012. Tentang Penetapan Rumpun Sapi Jabres. Kementrian Pertanian. Jakarta
- Kementrian Pertanian. 2015. *Petunjuk Teknis: Tata Cara Penetapan dan Pengelolaan Wilayah Sumber Bibit*. Direktorat Perbibitan Ternak: Kementrian Pertanian. Jakarta.
- Khalil. 2016. Crude nutrient and mineral composition of *Asystasia gangetica* (L.) as a predominant forage species for feeding of goats. *Pakistan Journal of Nutrition* 15(9): 867-872.
- Khan, Z.I., A. Kafeel, Z. Asma, B. Humayun, H. Abrar, H. Zile, A.S. Hazoor, S. Muhammad, H. Ghulam, R.K. Ijaz, A.A. Nudrat, A. Muhammad, A. Fahim, M. Irfan, T. Vincenzo, F. Mariano dan C. Eugeni. 2015. Assessment of poisonous and anti-nutritional compounds in wild edible forages consumed by ruminant species. *Journal of Environmental Science and Technology*, 8 (3): 91-101.

- Kismono, I .dan S. Susetyo. 1977. Pengenalan Jenis Hijaun Tropika Penting. Produksi Hijauan Makanan Ternak Untuk Sapi Perah. BPLPP. Lembang, Bandung.
- Koten, B. B. 2013. Tumpangsari legum arbila(*Phaseolus lunatus* L.) berinokulumrizobium dengan sorgum (*Sorghumbicolor* (L) Moench) dalam upayameningkatkan produktivitas hijauanpakan ruminansia. Disertasi ProgramPascasarjana UGM, Yogyakarta.
- Kothmann, M. 2009. Grazing methods: A viewpoint. *Rangelands* 31, 5-10.
- Kumhalova, J., S. Matejkova, M. Fiferova, J. Lipavsky and F. Kumhala. 2008. Topography impact on nutrition content in soil and yield. *Plant Soil Environ*, 54 (6): 255-261.
- Kumhalova J., F. Kumhala., M. Kroulik and S. Matejkova. 2011. The impact of topography on soil properties and yield and the effects of weather conditions. *Precision Agriculture*, 12: 813-830
- Kushartono, B. 2001. Pengaruh Curah Hujan dan Pola Pemupukan Terhadap Produksi Rumput Raja (*Pennisetum purpurephoides*). Temu Teknis Fungsional Non Peneliti. Balai Penelitian Ternak, Bogor.
- Labrada, R. 2003. Weed Management for Developing Countries. *Plant Production and Protection Papers N^o120*. FAO. Rome, Italy.
- Landeng, P.K., E. Suryanto dan L.I. Momuat. 2017. Komposisi proksimat dan potensi antioskidan dari bijiJagung manado kuning (*Zea mays* L.). *Chem. Prog.* 10(1): 36-44.
- Lascano, C. E., J.K.Teitzel and Eng-Pei-Kong. 1990. Nutritive value of centrosema in animal productionin centrosema in *Biology, Agronomy, and Utilization*. Schultze-Kraft Rainer (Ed). Ciat Publication No. 92. pp. 666
- Lascano, C.E.,A. Schmidt, and R. Barahona. 2001. Forage quality and the environment.In *International Grassland Congress. Proceedings: Grassland ecosystem: An outlook into the 21st Century*. Brazilian Society of Animal Husbandry, Sao Pedro, Sao Paulo, BR. pp. 1-19.
- Leal, E.S., C.V.I Luis, B.D.V. Cacilda, C.B.F.I. Camila, M.D. Alexandre, B.F. Marcos, M.S. Claudia, K.L.A.M. Gleice and B.N.F. Valquiria. 2016. Anti nutritional potential of protodioscin and kinetics of degradation in urochloa grasses. *Semina: Ciencias Agrarias, Londrina*, 37 (4): 2247-2258.
- Lestari, C.M.S., E. Purbowati, S. Dartosukarno dan E. Rianto. 2014. Sistem produksi dan produktivitas sapi Jawa-Brebes dengan pemeliharaan tradisional. *Jurnal Peternakan Indonesia*, 16 (1): 1-7.
- Lestari, C.M.S. 2012. Explorasi Potensi Produksi Sapi Jabres Sebagai Sapi PotongLokal dengan Metode In Vivo dan Noninvasive pada Pemeliharaan In Situ danEx Situ. Disertasi. Program Studi DoktorIlmu

Peternakan, Program Pasca Sarjana Universitas Diponegoro, Semarang.

- Lloyd, L. E., B. E. McDonald, and E. W. Crampton. 1978. *Fundamentals of Nutrition*^{2nd}ed. W. H. Freeman and Company. San Francisco, CA.
- Loch, D.S. 1977. *Brachiaria decumbens* (Signal grass) a review with particular reference to australia. *Tropical Grasslands* 11: 141–156.
- Luscher, A., I. M. Harvey, J. F. Soussana. R. M. Rees and J.L. Peyraud. 2014. Potential of legume based grassland livestock system in europe. *Grass Forage Sci.* 69(2): 206-228.
- Lyons, R.K. and R.V. Machen. 2001. Stocking rate: the key grazing management decision. *Texas Agr. Ext. Serv.* L-5400. Tersedia di http://rangeweb.tamu.edu/extension/rangedetect/l5400_sr.pdf. diakses tanggal 16 Oktober 2019.
- MacAdam, J.W. and C.J. Nelson. 2003. *Physiologi of forage in in Forages: an Introduction to Grassland Agriculture.* . Barnes F.B., C.J Nelson, C. Michael dan K.J. Moore. (eds). Vol 1. Blackwell publishing Company, 2121 State Avenue, Iowa.
- Manzoor, M.N., J.I. Sultan, M.U. Nisa, and M.Q. Bilal. 2013. Nutrietiive evaulation and in-situ diggestibility of irrigated. *The Journal of Animal and Plant Sciences*, 23(5): 1223-1227.
- Martin, F. W. 1993. *Forage.* ECHO: Agricultural Support Agency. Florida, USA.
- McCarthy, B., L. Delaby, K.M. Pierce, J. McCarthy, C. Fleming, A. Brennan and B. Horan. 2016. The multi-year cumulative effects of alternative stocking rate and grazing management practices on pasture productivity and utilization efficiency. *J. Dairy Sci.* 99: 3784-3797.
- Mcllory, R.J. 1976. *Pengantar Budidaya Padang Rumput Tropika.* Terjemahan. Tim Fakultas Peternakan Institut Pertanian Bogor. Pradnya Paramita. Jakarta.
- Meehan, M., K.K. Sedivec, J. Printz and F. Brummer. 2018. *Determining Carrying capacity and Stocking Rates.* NDSU Extension. Fargo, North Dakota.
- Melvina, S., I. G. S Budisatria dan C. Hanim. 2017. Ukuran Tubuh dan Pertumbuhan Sapih Sapi Jabres Jantan dan Betina di Kecamatan Bantarkawung, Brebes, Jawa Tengah. *Skrispi Sarjana Peternakan.* Fakultas Peternakan, Universitas Gadjah Mada.
- Meyer, T. L. 2010. *Estimating Livestock Forage Demand: Defining the Animal Unit.* Thesis. Master of Science The Graduate College at the University of Nebraska.

- Mohan, S.M., B. Pandey, and S.G. Rao. 2015. Phytochemical analysis and uses of *Mimosa pudica* Linn. In Chhattisgarh. Journal of Environmental Science, Toxicology and Food Technology. 1(3):1-4.
- Molnar, Z. S. and A. Borhidi. 2003. Hungarian alkali vegetation: Origins, landscape history, syntaxonomy, conservation. *Phytocoenologia* 33: 377-408.
- Mufarihin, A., D.R Lukiwati dan Sutarno. 2012. Pertumbuhan dan bobot bahan kering rumput raja pada perlakuan aras auksin yang berbeda. *Animal Agriculture Jurnal*, 1(2): 1-15.
- Muhajirin, Despal dan Khalil. 2017. Pemenuhan Kebutuhan Nutrien Sapi Potong Bibit yang Digembalakan di Padang Mengatas. *Bulmater*. 104 (1): 9-20.
- Munadi. 2010. Potensi dan alternatif pengembangan sapi Jawakhas Brebes (JABRES). Pros. Seminar Nasional Perspektif Pengembangan Agribisnis Peternakan di Indonesia. Fakultas Peternakan, Univ. Jenderal Soedirman, Purwokerto. pp. 348-353.
- Mutayoba, S.K., E. Dierenfeld, V.A. Mercedes, Y. Frances and C.D Knight. 2011. Determination of chemical composition and ant-nutritive components for tanzanian locally available poultry feed ingredients. *International Journal of Poultry Science* 10 (5): 350-357.
- Mithcell, R.B., and C.J. Nelson. 2003. Structure and morphology of legumes and other forbs in Forages: an Introduction to Grassland Agriculture. . Barnes F.B., C.J Nelson, C. Michael dan K.J. Moore. (eds). Vol 1. Blackwell publishing Company, 2121 State Avenue, Iowa.
- Nasrullah., M. Niimi, R. Akashi and O. Kawamura. 2003. Nutritive evaluation of forage plants grown in South Sulawesi, Indonesia. *Asian-Aust. J. Anim. Sci.* 2003. 16 (5): 693-701.
- Newman, Y. C., L. E. Sollenberger, W. E. Kunkle, and C. G. Chambliss. 2002. Canopy height and nitrogen supplementation effects on performance of heifers grazing limpograss. *Agron. J.* 94:1375-1380.
- Nining, A., N. Umami dan B. Suhartanto. 2016. Kondisi hijauan pakan padang penggembalaan alam di Doroncanga Kecamatan Pekat Kabupaten Dompu Provinsi Nusa Tenggara Barat. Prosiding Simposium Nasional dan Pengembangan Peternakan Tropik. 3 November 2016: 101-106
- Ngozi, I.M., C.J. Ikewuchi and C.C Ikewuchi. 2009. Chemical profile of *Chromolaena odorata* L. (King and Robinson) leaves. *Pakistan Journal of Nutrition* 8 (5): 521-524.
- Nortcliff, S., H. Hulpke, C.G. Bannick, K. Terytze, G. Knoop, M. Bredemeier and H. Schultze-Bisping. 2017. Definition, Function and Utilization of Soil. *Ullmann's: Encyclopedia of Industrial Chemistry*. Germany.

- Northam, F. E., R.H. Callihan and R.R. Olad. 1991. Range extensions of four introduced grasses in Idaho. *Journal of the Idaho Academy of Science*. 27 (1): 19-21.
- Norton, B. W. 1994. Anti-nutritive and toxic factors in forage tree legumes in Forage Tree Legumes in Tropical Agriculture. Gutteridge, R.C. and Shelton, H.M.(eds). Tropical Grassland Society of Australia Inc.
- NRC. 2000. Nutrient Requirements of Beef Cattle. 7th updated ed. Natl. Acad. Press, WashingtonD.C.
- NRCS. 1997. National Range and Pasture Handbook. NaturalResources Conservation Service's Grazing Lands Technology Institute(GLTI). Fort Worth, Texas.
- NSW Goverment. 2019. Categories of Pasture Plants. NSW Goverment: Department of Primary Industries. Tersedia di <https://www.dpi.nsw.gov.au/categories-of-pasture-plants>. Diakses tanggal 3 Oktober 2019.
- Nwokolo, E. 1987. Leaf meals of cassava (*Manihot esculenta*) and Siam weed (*Eupatorium odoratum*) as nutrient sources in poultry diets. *Nutri. Report Int.* 36: 819-826.
- Oakenfull, D. and G. Sidhu. 1990. Saponins be a useful treatment for hypercholesterolemia. *European Journal of Clinical Nutrition*, 44: 79-88.
- Parker, C. 2008. *Imperata cylindrica* (Cogon grass). CABI: Invasive Species Compendium. Tersedia di <https://www.cabi.org/isc/datasheet>. Diakses pada tanggal 16 September 2019.
- Pasiecznik, N. 2007. *Chromolaena odorata* (Siam weed). CABI: Invasive Species Compendium. Tersedia di <https://www.cabi.org/isc/datasheet>. Diakses pada tanggal 19 September 2019.
- Permana, H., S. Chuzaemi, Majuki dan Mariyono. 2015. Pengaruh pakan dengan level serat kasar berbeda terhadap konsumsi, pencernaan dan karakteristik VFA pada sapi Peranakan Ongole. *Fakultas Peternakan Universitas Brawijaya, Malang*. pp 1-10.
- Pieper, R. D. 1994. Ecological implications of livestock grazing. In: *Ecological implications of livestock herbivory*. M. Vavra, W. A. Laycock, and R. D. Pieper (eds). Denver, CO: Society of Range Management. pp. 176-211.
- Pizarro, E.A., C.B. Valle, G.G. Keler, K.R. Schultze, and A.H. Zimmer. 1996. Regional Experience with *Brachiaria*: Tropical America Savannas. *Brachiaria: Biology, Agronomy, and Improvement*: 225–243.

- Prawiradiputra, B.P. 2007. Ki Rinyuh (*Chromolaena odorata* (L) R.M King dan H. Robinson): gulma padang rumput yang merugikan. Wartazoa 17 (1).
- Priyanto, D. dan D. Yulistiani. 2005. Estimasi Dampak Ekonomi Penelitian Partisipatif Penggunaan Obat Cacing dalam Meningkatkan Pendapatan Peternak Domba di Jawa Barat. Seminar Nasional Teknologi Peternakan dan Veteriner. Pusat penelitian dan Pengembangan Peternakan. Bogor. pp. 512-520.
- Quattrocchi, U. 2006. CRC World Dictionary of Grasses: Common Names, Scientific Names, Eponyms, Synonyms, and Etymology. CRC Press, Taylor and Francis Group. Boca Raton, USA
- Rahman, M.M. and O. Kawamura, 2011. Oxalate accumulation in forage plants: some agronomic, climatic and genetic aspects. Asian Aust. J. Anim. Sci., 24(3): 439-448.
- Rao, I.M., P.C. Kerridge and M.C.M. Macedo. 1996. Nutritional requirements of brachiaria and adaptation to acid soils. *Brachiaria: biology, agronomy, and improvement*: 53–71.
- Reksohadiprodjo, S. 1985. Produksi Tanaman Hijauan Makanan Ternak Tropik. Badan Penerbitan Fakultas Ekonomi, Universitas Gadjah Mada. Yogyakarta.
- Reksohadiprodjo, S. 1994. Produksi Tanaman Hijauan Makanan Ternak Tropik. Bagian Penerbitan Fakultas Ekonomi, Universitas Gajah Mada, Yogyakarta.
- Rouse, J. E. 1976. Cattle of Africa and Asia. World Cattle II. CSIRO-Pusat Penelitian dan Pengembangan Peternakan, Ciawi, Bogor.
- Santos, J.C.A., F. Riet-Correa, S.V.D. Simoes and C.S.L Barros. 2008. Pathogenesis clinical signs and pathology of diseases caused by hepatotoxic plants in ruminants and horses in Brazil. Veterinary Research Brazilian, Seropedic, 28 (1): 1-14.
- Sao, V., W Nakbanpote and P. Thiravetyan. 2007. Cadmium accumulation by *Axonopus compressus* (Sw.) P. Beauv and *Cyperus rotundus* Linn growing in cadmium solution and Cadmium-Zinc contaminated soil. Songklanakarin J. Sci. Technol. 29 (3) : 881-892.
- Sasmita, R. N. 2016. Pengeringan Lembaran Karet dengan Cara Penjemuran, pengeringan rumah kaca., dan pengasapan. Skripsi. Fakultas Pertanian Universitas Lampung, Bandar Lampung.
- Sema, S. Hasan, S. Nampo, M. Rusdy, J.A. Syamsu and M. Nadir. 2019. Effect of defoliation interval on growth and quality of *Brachiaria brizantha*, *Brachiaria decumbens* cv. *mulato* and *Brachiaria decumbens* grass on critical dry land. International Journal of Scientific and Research Publications, 9 (1): 190-194.

- Siba, F. G., I. W. Suarna dan N. N. Suryani. 2017. Vvaluasi padang penggembalaan alami Maronggela di Kabupaten Ngada Provinsi Nusa Tenggara Timur. *Majalah Ilmiah Peternakan*, Vol 20 (1): 1-4.
- Sierra, J., M. Dulormne and L. Desfontaines. 2002. Soil nitrogen as affected by *Gliricidia sepium* in a silvopastoral system in Guadeloupe, French Antilles. *Agroforestry Systems* 54: 87–97.
- Siregar, M. E dan A. Djajanegara. 1974. Pengaruh tingkat pemupukan zwavelzuur kalium (ZK) terhadap produksi segar 5 jenis rumput. *Buletin L.P.P. Bogor* No 12: 1-8.
- Stiles, W. 2017. The Importance of Diversity in Grassland Plant Speciec. Tersedia di <https://sustainablefoodtrust.org/articles/the-importance-of-diversity-in-grassland-plant-species/>. Diakses tanggal 24 September 2019.
- Stur, W.W., J.M. Hopkinson and C.P. Chen. 1996. Regional experience with *Brachiaria*: Asia, the South Pacific, and Australia. *Brachiaria: Biology, Agronomy, and Improvement*: 258–271.
- Sufyan, A.B. 2018. Factors Affecting Digestibility of Feed. Tersedia di <https://en.engormix.com/feed-machinery/articles/factors-affecting-digestibility-feed-t41739.htm>. Diakses tanggal 14 Oktober 2019.
- Susetyo, S. 1980. Padang Penggembalaan. Departemen Ilmu Makanan Ternak Fakultas Peternakan IPB, Bogor.
- Suyitman., S. Jalaludin, M. H. D. Abudinar, N. Muis, H. R. Ifradi, N. Jamaran dan M. P. Tanamasni. 2003. *Agrostologi*. Fakultas Peternakan Universitas Andalas, Padang.
- Tana, D.N., H.N. Nastiti dan S.T. Temu. 2015. Komposisi botani dan produksi hijauan makanan ternak musim Hujan pada padang penggembalaan alam desa Oesao, kecamatan Kupang Timur kabupaten Kupang. *Jurnal Nukleus Peternakan*, 2 (2):144-151.
- Tandi, I. 2010. Analisis ekonomi pemeliharaan ternak sapi bali dengan sistem penggembalaan di Kecamatan Pattalassang Kabupaten Gowa Sulawesi Selatan. *Sekolah Tinggi Penyuluhan Pertanian (STPP) Gowa. Jurnal Agrisistem*, 6 (1): 2089-0036
- Teitzel, J. K. and C.P. Chen. 1992. *Centrosema pubescens* Benth in proseabase. Mannerje, L.'t dan Jones, R.M. (eds). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia.
- Torell, R., J. Davison and I. Hackett. 2019. Improving grass hay quality through fertilizer and irrigation management in Intermountain Pasture and Hay Meadow Handbook: Book, Hay and Profit. University of Nevada Cooperative Extension, Nevada.

- Tran, G. 2017. Alang-alang (*Imperata cylindrica*). Feedipedia, a programme by INRA, CIRAD, AFZ and FAO. <https://www.feedipedia.org/node/425> Last updated on August 22, 2017, 10:18
- Trivedi, B.K. 2002. Grasses and Legumes for Tropical Pastures. Indian Grassland and Fodder Research Institute. Jhansi, India.
- Tzvelev, N.N. 1989. The system of grasses (poaceae) and their evolution. *The Botanical Review*, 55 (3): 141-203.
- Umami, N., B. Suhartanto, M.P. Dewi, C. Noviandi, A. Hardining, N. Suseno dan R. Akashi. 2016. Productivity of two varieties *Brachiaria* sp on different level of fertilizer in Yogyakarta, Indonesia. The 17th Aisan-Australasian Association of Animal Production Societies Animal Science Congress. Fukuoka, Japan.
- USDA. 2010. GRIN - Germplasm Resources Information Network. National Germplasm Resources Laboratory. Beltsville, Maryland
- USDA. 2019. Classification for Kingdom Plantae Down to Family Poaceae. Tersedia di <https://plants.usda.gov/classification.html>. Diakses pada 14 September 2019.
- Valle, C.B., M.C.M. Macedo, V.P.B. Euclides, L. Jank, and R.M.S. Resende. 2010. *Brachiaria* genus in forage plants. Eds DM Fonseca, JAMartuscelo: 30–77.
- Vallentine, J. F. 2001. Grazing Managemnt. Academic Press: A Harcourt Science and Technology Company. San Diego, California.
- Vermeire, L.T., and R.L. Gillen. 2000. Western ragweed effects on herbaceous standing crop in great plains grassland. *J. Range Manage.* 53 (3): 35-41.
- Vincentini, A., J.C. Barber, S.S. Aliscioni, L.M. Gissani and E. Kellogg. 2008. The age of grasses and clusters of origins of C4 photosynthesis. *Global Change Biology*, 14(6): 2963-2977.
- Volenc, J.C and C.J Nelson. 2003. Environmental aspects of forage management in Forages an Introduction to Grassland Agriculture. Barnes F.B., C.J Nelson, C. Michael dan K.J. Moore. (eds). Vol 1. Blackwell publishing Company, 2121 State Avenue, Iowa.
- Watson, L., and M.J. Dallwitz. 1992. The Grass Genera Of The World: Descriptions, Illustrations, Identification, and Information Retrieval; Including Synonyms, Morphology, Anatomy, Physiology, Phytochemistry, Cytology, Classification, Pathogens, World and Local Distribution, and References. Tersedia di <http://delta-intkey.com>. Diakses pada 14 September 2019.
- Wei, H., J. Xu, G. Quan, J. Zhang, and Z. Qin. 2017. Invasion effects of *Chromolaena odorata* on soil carbon and nitrogen fractions in a tropical savanna. *Ecosphere* 8(5)

- Widiyanto, M., M. Soejono, M. Kamal, Su-dj atmogo dan Su-ranto. 2016. Pengaruh musim terhadap status mineral hijauan di ladang ternak bila river ranch, Sidrap. Sulawesi Selatan. *Agromedia*, 34 (1).
- Wiersum, K. F. and I.M. Nitis.1992. *Gliricidia sepium* (Jacq.) Kunth ex Walp in *Proseabase*. Mannetje, L.'t dan Jones, R.M. (Eds). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia.
- Wilson, C. G and E. B. Widiyanto. 2002. The biological control programme against *Chromolaena odorata* in eastern Indonesia. In: *Proceeding of the fifth International Workshop on Biological Control and Management of Chromolaena odorata*, Durban, South Africa, October 2000, eds. Costas Zachariades, Muniappan R, Strathie LW. pp. 34–39.
- Yonida, A.D. 2019. Faktor-Faktor yang Mempengaruhi Pertumbuhan dan Perkembangan Tanaman. Tersedia di <http://farming.id/faktor-faktor-yang-mempengaruhi-pertumbuhan-dan-perkembangan-tanaman/>. Diakses tanggal 21 September, 2019.
- Yuliantonika, A.T., C.M. Sri-Lestari dan E. Purbowati. 2013. Produktivitas sapi jawa yang diberi pakan basal jerami padi dengan berbagai level konsentrat. *Animal Agriculture Journal*, 2 (1):152-159.