

DAFTAR PUSTAKA

- Abqoriyah, R. Utomo, and B.Suwignyo. 2015. Productivity of calliandra (*Calliandra calothyrsus*) as a forage in the different defoliation time. Buletin Peternakan 39 (2): 103-108
- Agboola, A. A. and A. A. A. Fayemi, 1972. Fixation and ecretion of nitrogen by tropical legume. Agron. J. 64 (4) : 409-412
- Ahmed, S. dan N. R. Rao, 1982. Performance of maize soybean intercrop combination in the tropics result of a multi location study. Field Crop Res. 5 : 147-161.
- Ajayi, OC., Festus K. Akinnifesi., Gudeta Sileshi., and Sebastian Chakeredza. 2007. Adoption of renewable soil fertility replenishment technologies in the southern African region: Lessons learnt and the way forward. A United Nations Sustainable Development Journal. Vol.31: 306-317
- Albayrak, S. and H. Ekiz. 2005. An investigation on the establishment of artificial pasture under ankara's ecological conditions. Turk J Agric Forest. 29:69-74.
- Albayrak, S., M. Turk, O. Yuksel, and M. Yilmaz. 2011. Forage yield and the quality of perennial legume-grass mixtures under rainfed conditions. Not Bot Hort Agrobot Cluj. 39: 114-118.
- Awada, F. 2016. Assesment of Sorghum Response to Nitrogen Availability. Université Paris-Saclay. English.
- Beets, W. C. 1982. Multiple cropping and Tropical Faring System. Grower Pub. Co. Ltd., Aldershot..
- Crews, T.E, and M.B. Peoples. 2004. Legume versus fertilizer sources of itrogen: Ecological tradeoff s and human needs. Agric. Ecosyst Environ. 102:279-297.
- Djuned, H., Mansyur, dan H.B. Wijayanti. 2005. Pengaruh Umur Pemotongan Terhadap Kandungan Fraksi Serat Hijauan Murbei (*Morus indica* L. Var. *Kanva-2*). Seminar Nasional Teknologi Peternan dan Veteriner.
- Donald, C. M. 1963. Competition among crop and pasture plant. Adv. Agron. 15 :1-18.
- Ella, A., G.J. Blair, and W.W. Stur. 1991. Effect of Age of Forage Tree Legumes at The First Cutting on Subsequent Production Tropical Grasslands. Volume 25. Indonesia
- Francis, C. A., M. Prager and G. Tejada. 1982. Density interactions in tropical mixed cropping. I. Maize (*Zea mays* L) and climbing bean (*Phaseolus vulgaris* L). Field Crops Res. 5 : 163-176.
- Gardner, F.P., R.B. Pearce and R.L. Mitchell. 1985. Physiology of Crop Plants. Iowa State University Press.Iowa. p.271-318. Humphries,E.C. and A.W. Wheeler. 1963. Ann. Rev. Plants Physiol. 14 :385-410
- Haryadi, S,S. 1993. Pengantar Agronomi. PT Gramedia, Jakarta.
- Helsel, Z. R. and W. F. Wedin. 1981. Harvested dry matter from single and double cropping system. Agron. J. 73 : 895-900.

- Henzell, E. F. and I. Vallis. 1975. Transfer of nitrogen between legume and other crops. In A. Ayanaba and P. J. Dart (Ed). Biological Nitrogen Fixation in Farming System of Tropics. IITA. John Willey and Son, Ibadan.
- Hirpa, T. 2013. Maize productivity as affected by mixed cropping date of companion legume crops. *Peak J Agric Sci.* 1:70-82.
- Houlton, B. Z. and S. L. Morford. A new synthesis for terrestrial nitrogen inputs, *SOIL*, 1, 381– 397.
- Humphreys, L. R. 1979. Tropical Pasture and Fodder Crops. ITAS, Longman Group Ltd., London
- Hutasoit, R., J.Sirait, dan S.P. Ginting. 2009. Budidaya dan Pemanfaatan *Brachiaria ruziziensis* (Rumput ruzi) Sebagai Hijauan pakan Kambing. Pusat Penelitian dan Pengembangan Peternakan. Sumatera Utara
- Ismail. 2006. Fisiologi Tumbuhan. Jurusan Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Makassar. Makassar.
- Javanmard, A., A.D.M. Nasab, A. Javanshir, M. Moghaddam, and H. Janmohammadi. 2009. Forage yield and quality in mixed cropping of maize with different legumes as double cropped. *J Food Agr Environ.* 7:63-166.
- Kang, B. T., G. F. Wilson dan Sipkens. 1981. Alley cropping maize (*Zea mays L*) and *Leucaena (Leucaena leucocephala Lam)* in southern Nigeria. IITA, Ibadan.
- Kartasapoetra, A. G. 1991. Pengantar anatomi tumbuh-tumbuhan. Rineka Cipta. Jakarta.
- Knicker, H. 2011. Soil organic N – an under-rated player for C sequestration in soils?, *Soil Biol. Biochem.* 43: 1118–1129.
- Koten, B. B. 2013. Tumpangsari legum arbila (*Phaseolus lunatus L.*) berinokulum rizobium dengan sorgum (*Sorghum bicolor (L) Moench*) dalam upaya meningkatkan produktivitas hijauan pakan ruminansia. Disertasi Program Pascasarjana UGM, Yogyakarta
- Kurniawan, W. 2014. Potensi Sorgum Numbu, CTY-33, dan BMR sebagai Pakan pada Beberapa Level Pupuk Kandang di Tanah Sedimentasi Ultisol. Tesis. Sekolah Pascasarjana, Institut Pertanian Bogor. Bogor
- Lafarge, T.A., I. J. Broad and G.L. Hammer. 2002. Tillering in grain sorghum over a wide range of population densities: Identification of common hierarchy for tiller emergence, leaf area development and fertility. *Annals of Botany.* 90: 87-98.
- LeBauer, D. S. and K. K. Treseder. Nitrogen limitation of net primary productivity in terrestrial ecosystems is globally distributed. *Ecology.* 89: 371–379, 2008.
- Lithourgidis, A.S., C. A. Dordas, C.A. Damalas, and D.N. Vlachostergios. 2011. Annual intercrops: An alternative pathway for sustainable agriculture. *Aust J Crop Sci.* 5: 396-410.
- Mendoza, R.C., L.R. Escano and E. Q. Javier. 1981. Corn leucaena mixed cropping trial. *Leucaena Res. Report.* 2: 42-44.

- Middleton, C. H. 1981. The role of legume in legume-grass pasture in the wet tropics. *Trop. Grassl.* 15 (2) : 119-120.
- Narendra, E. M. 2006. Pengaruh penanaman beberapa jenis legum terhadap kondisi tanah pada areal bekas penambangan batu apung. *Info Hutan.* 3(3):173-180.
- Nworgu F.C., and F.O. Fasogbon. 2007. *Centrosema* (*Centrosema pubescens*) leaf meal as protein supplement for pullet chicks and growing pullets. *J Poul. Science.* 6(4):225-260.
- Ofori, F. and W. R. Stern. 1987. Cereal-legume mixed cropping system. *Adv. Agron.* 41 : 41-89.
- Oluokun, J. A. 2005. Intake digestion and nitrogen balance of diets blended with urea treated and untreated cowpea husk by growing rabbit. *Afr. J. of Biochemist* 4 (10): 1203-1208
- Parihar, S.S., and P.S. Pathak. 2006. Flowering phenology and seed biology of selected tropical perennial grasses. *Trop. Ecol.* 47 (1): 81–88.
- Purbajanti, E. D. 2013. Rumput dan Legum Sebagai Hijauan Makanan Ternak. Graha Ilmu. Yogyakarta
- Reksohadiprodo, S. 1985a. Produksi Tanaman Hijauan Makanan Ternak Tropik. BPFE Universitas Gadjah Mada. Yogyakarta.
- Santalla, M., A.P. Rodino, P.A. Casquero, and A.M. De Ron. 2001. Interactions of bush bean intercropped with field and sweet maize. *Eur J Agron.* 15:185-196
- Saragih, B. 2000. Agribisnis, Paradigma Baru Pembangunan Ekonomi Berbasis Pertanian. Yayasan Mulia Persada dan PT Surveyor Indonesia, Jakarta.
- Shelton, H. M. and L. R. Humphreys. 1979. Undersowing rice (*Oriza sativa*) with *Stylosanthes guyanensis*. *Expl. Agric.* 11 : 89-111.
- Shivakumar, B.G., and N.S. Kulkarni. 2015. The impact of Guinea grass, Congo signal and *Stylosanthes hamata* on soil physicochemical properties and beneficial micro fauna in Mango and Sapota plantations. In: XXIII International Grassland Congress on 'Sustainable Use of Grassland Resources for Forage Production, Biodiversity and Environmental Protection. Delhi NCR. November 20–24. (paper: 106)
- Sitanala, A. 1983. Pengawetan Tanah dan Air. Departemen Ilmu-Ilmu Tanah, Faperta IPB, Bogor (tidak dipublikasikan).
- Smith, D., R.J. Bulla, and R.P. Walgenbach. 1986. Forage Management. 5th. Edition. Dubuque – Iowa. Kendall/Hunt Publishing Company
- Soedarmadi, H. 1977. Persistence of overseded Legume into Guinea Grass (*Panicum maximum* Jacq) Pasture and their Effect on Herbage Yield and Quality. Thesis MS. UPLB, Los Banos.
- Soeriatmadja, S. 1981. Ilmu Lingkungan. Penerbit ITB, Bandung.
- Sumarsono. 1985. Studi Pola Tanam Tumpangsari Tiga Jenis Tanaman Hijauan Makanan Ternak dengan Varietas Tanaman Jagung Hibrida C1. Laporan Penelitian. Fakultas Peternakan UNDIP, Semarang.

- Sumarsono. 1989. Pengaruh Kepadatan Populasi Lamtoro (*Leucaena leucocephala* (Lam) de Wit) Cunningham terhadap Hasil Hijauan dan Jagung (*Zea mays* L) pada Dua Pola Tanam Tumpangsari. Disertasi Doktor. Fakultas Pasca Sarjana IPB, Bogor.
- Sumarsono. 1983. Pengaruh Pupuk TSP, Pupuk Kandang dan Interval Pemotongan terhadap Produksi dan Kualitas Hijauan Pertanaman Campuran *Setaria splendida* Staff dan *Centrosema pubescens* Benth. Thesis S2 Fakultas Pasca Sarjana IPB., Bogor.
- Sumarsono. 2001. Hasil hijauan setaria (*Setaria splendida* Staff) dalam pertanaman campuran dengan sentro (*Centrosema pubescens*) yang menerima pupuk fosfat dan kotoran ternak. J. Pengemb. Pet. Trop. Special Ed.: pp.129-136.
- Sumarsono. 1997. Simbiotik bakteri rhizobium tanaman legum lamtoro pada dua jenis tanah dengan peningkat kesuburan pupuk kandang. Prosiding Seminar INMT – AINI., Bogor.
- Sutanto, S. 2002. Pertanian Organik. Menuju Pertanian Alternatif dan Berkelanjutan. Penerbit Kanisius, Yogyakarta.
- Sutedi, E. 2005. Agronomi dan pemanfaatan *Centrosema pubescens*. Lokakarya Nasional Tanaman Pakan Ternak. Balai Penelitian Ternak.
- Tarigan, A., L. Abdullah, S.P. Ginting, dan I.G. Permana. 2010. Produksi dan komposisi nutrisi serta pencernaan in vitro Indigofera sp pada interval dan tinggi pemotongan berbeda. <http://peternakan.litbang>.
- Thamdrup, B. 2012. New pathways and processes in the global nitrogen cycle, Annu. Rev. Ecol. Evol. S. 43: 407–428,.
- Utomo, R. 2015. Konservasi Hijauan Pakan dan Peningkatan Kualitas Bahan Pakan Berserat Tinggi. Gadjah Mada University Press. Yogyakarta
- Van Groenigen, J. W. Huygens, D. Boeckx, P. Kuyper, W.Th, I.M. Lubbers, T. Rütting and P. M. Groffman. The soil N cycle: new insights and key challenges, SOIL, 1, 235–256
- Widjajanto, D. W. dan Sumarsono. 2005. Pertanian Organik. Badan Penerbit UNDIP, Semarang.
- Winarso, S. 2005. Kesuburan Tanah. Penerbit Gava Media. Yogyakarta
- Yakin, A. 1997. Ekonomi Sumberdaya dan Lingkungan. Akademika Persindo, Jakarta.