

DAFTAR PUSTAKA

- Abdullah, L. 2012. Meracik peluang bisnis inovatif pada komoditi tanaman dan hijauan pakan. *Jurnal Pastura* Vol. 12 (1): 1-7
- Affandi, 2004. Pengaruh pemupukan beberapa paket N, P dan K terhadap pertumbuhan dan produksi segar rumput gajah (*Pennisetum Purpureum*) cv. Taiwan pemotongan pertama pada tanah podzolik merah kuning (Pmk). Skripsi. Fakultas Peternakan. Universitas Andalas, Padang.
- Agustina, K. 2010. Tanggap fisiologi akar sorgum (*Sorghum bicolor* L. Moench) terhadap cekaman aluminium dan defisiensi fosfor di dalam rizotron. *Jurnal agronomi Indonesia*, 38(2) : 88-94
- Atis, I., Konuskan, O., Duru, M., Gozubenli, H. and Yilmaz S. 2012. Effect of harvesting time on yield, position and forage quality of some forage sorghum cultivars. *Int. J. Agric. Biol*, 14: 879–886.
- Ayub, M., Nadem M.A., Tanveer A. and Husnain A. 2002. Effect of different levels of nitrogen and harvesting times on the growth, yield and quality of sorghum fodder. *Asian Journal of Plant Science*. Vol 1 No 4: 304-307.
- Aneka Beti Y., A. Ispandi, dan Sudaryono. 1990. Sorgum. Monograf Balittan Malang No.5. Balai Penelitian Tanaman Pangan Malang.
- Balabanl, C., Albayrak, S. and Yuksel, O. 2010. Effects of nitrogen, phosphorus and potassium fertilization on the quality and yield of native rangeland. *Turkish Journal of Field Crops*. 15(2): 164-168.
- Balai Penelitian Tanah. 2003. Petunjuk Teknis Evaluasi Lahan Untuk Komuditas Pertanian. Bogor.
- Boyer, J.S. 1982. Plant protective and environment. *Science* 218:443-448
- Casler, M.D. 2001. Breeding forage crops for increased nutritional value. *Advan. Agron.* 71, 51–107.
- Cooke, G.W. 1982. Fertilizing for Maximum Yield. Granada Publishing Ltd. London
- De Wet, J.M.J., J.R. Harlan, and E.G. Price. 1970. Origin of variability in the Spontanea complex of *Sorghum bicolor*. *American Journal of Botany* 57(6):704-707
- Dahlan, M., Hariyono dan P. Soepangat. 1986. Produktivitas pertanaman ratun galur-galur sorgum introduksi. *Penelitian Palawija* 1(1).

- Du Plessis, J. 2008. Sorghum production. Republic of South Africa Department of Agriculture. www.nda.agric.za/publications. Diakses pada tanggal 10 Maret 2018 pukul 18.50 WIB.
- Dwijosepoetro, D. 1985. Pengantar Fisiologi Tumbuhan. Gramedia, Jakarta.
- Eckert D. 2009. Efficient fertilizer use manual - Nitrogen. School of Natural Resources Ohio State.
- Fitter A. H. Dan Hay, R. K. M. 1991. Fisiologi Lingkungan Tanaman, Universitas Gadjah Mada, Yogyakarta.
- Gardner, F.P., Pearce, R.B. and Mitchell, R.L. 2008. Fisiologi Tanaman Budidaya. Terjemahan. UI Press, Jakarta.
- Hakim, N., Nyakpa, M.Y., Lubis, A.M., Nugroho, S.G., Diha, M.A., Hong, G.B. dan Bailey, H.H. 1986. Dasar-Dasar Ilmu Tanah. Universitas Lampung. 488 hal.
- Henry, D.F. 1998. Dasar-Dasar Ilmu Tanah. Gadjah Mada University press.
- House, L.R. 1985. A Guide to Sorghum Breeding. 2nd Ed. International Crops Research Institute for Semi-Arid Tropics (ICRISAT). India. 206 p.
- Hoeman, S. 2012. Prospek dan potensi sorgum sebagai bahan baku bioetanol. Pusat Aplikasi Teknologi Isotop dan Radiasi (PATIR) dan Badan Tenaga Nuklir Nasional (BATAN). Jakarta Selatan.
- Hunter, E.L. and I.C. Anderson. 1997. Sweet sorghum. In J. Janick (Eds.) Horticultural reviews. Vol. 21 Department of Agronomy Iowa State University. John Willey & Sons, Inc. pp 73-104.
- ICRISAT (International Crop Research Institute for the Semi-arid Tropics). 2002. Annual report of sorghum research and dissemination. International Crops Research Institute for the Semi-arid Tropics.
- Irawan, B. dan N. Sutrisna. 2011. Prospek pengembangan sorgum di Jawa Barat mendukung diversifikasi pangan. Forum Penelitian Agro Ekonomi, 29 (2): 99-113.
- Ishak. 2012. Agronomic traits, heritability and G x E interaction of unland rice (*Oriza sativa L*) mutant lines. *J. Agron. Indonesia* 40:105-111
- Jun-feng, S., Guo, M.X., Lian, S.R., Xiaobin, P., Guo, W.Y. and Ping, C.X. 2010. Gene expression profiles of response to water stress at the jointing stage in wheat. *Agricultural Science in China* 9(3) : 323-330
- Khalil, S.R.A., A.A. Abdelhafez. and E.A.M. Amer. 2015. Evaluation of bioethanol production from juice and bagasse of some sweet sorghum varieties *Ann. Agric. Sci.*, 60 (2) (2015). PP. 317-324.

- Koten, B.B., R. D Soetrisno., N. Ngadiyono.dan B. Suwignyo. 2012. Produksi tanaman sorgum(*Sorghum bicolor* (L.) Moench) varietas lokal rote sebagai hijauan pakan pupuk urea yang berbeda. *Buletin Peternakan* Vol. 36 (3): 150-155.
- Kramer, P. J. 1969. *Plant and Soil Water Relationships*. Modern Synthesis Reprinter in India arrangement with Mc. Graw-Hill, Inc, Newyork Graw-Hill Inc. Newyork.
- Kurniawan, W. 2014. The Potential Value of Numbu, CTY-33 & bmr Sorghum as Feed Grown in Lateric Sedimentation Soil With Different Levels of Organic Fertilizer. Second Research Coordination Meeting (RCM) on Integrated Utilization of Cereal Mutant Varieties in Crop/ Livestock Production Systems for Climate Smart Agriculture and Workshop on Application of Nuclear Technique for Increased the Agriculture Production, 18-21 Agustus 2014, SEAMEO-BIOTROP, Bogor.
- Lakitan, B. 2004. *Dasar-Dasar fisiologi Tumbuhan*. Jakarta. Cetakankelima PT. Raja GrafindoPersada. Jakarta.
- Lucas, R.E and Davis, J.F. 1961. Relationships between pH values of organic soils and availabilities of 12 plant nutrient. *Soil Science* 92:177-182.
- Mastrolli, M., N. Katenji.and G. Rana. 1995. Produktifity and water use effeciency of sweet sorghum as effected bysoil water deficitoccurring at different vegetative growth stages. *Eur. J. Agron.* 11:207-215
- McDonald, P., Edward, R.A.and Greenhalgh, J.F.D. 2002. *Animal Nutrition*. Sixth Edition. Pearson Prentice Hall.
- Meki, N.M., Ogoshi, R.M., Kiniry, J.R., Crow, S.E., Youkhana, A.H., Nakahata, M.H. and Littlejohn, K. 2017. Performance evaluation of biomass sorghum in Hawaii and Texas. *Elsevier. J.* 103, 257-266.
- Miller, FR., Stroup J.A. 2003. Brown midrib forage sorghum, sudangrass, and corn:What is the potential? *Proc. 33rd California Alfalfa and Forage Symposium*, pp.143-151.
- Miron, J., Solomon, R., Adin, G., Ni, U., Nikbacha, M., Yosef, E., Carm, A., Weinberg, Z.G., Kipnis, T., Zuckerman, E.andBen-Ghedalia, D. 2006. Effects of harvest stage and re-growth on yield, composition, ensilage and *in vitro* digestibility of new forage sorghum varieties. *J.Sci. Food Agric.* 86: 140–147.

- Mustafa, A.F., Hassanat, F. and Seguin P. 2004. Chemical composition and in situ ruminal nutrient degradability of normal and brown midrib forage pearl millet grown in southwestern quebec. *Can. J. Anim. Sci.* 84 (2004) 737–740.
- Nyanjang, R., A. A. Salim. dan Y. Rahmiati. 2003. Penggunaan pupuk majemuk NPK 25-7-7 terhadap peningkatan produksi mutu pada tanaman di tanah andisols. PT. Perkebunan Nusantara XII. Prosiding Teh Nasional. Gambung. Hal 181-185.
- Oliver, A. L., R. J. Grant, J. F. Pedersen. and J. O'rear. 2004. Comparison of brown midrib-6 and -18 forage sorghum with conventional sorghum and corn silage in diets of lactating dairy cows. *J. Dairy Sci.* 87:637-644.
- Prasad R, Power J.F. 1997. *Soil Fertility Management for Sustainable Agriculture*. New York: John Wiley dan Sons. 384 hal.
- Setyorini, D. dan L.R. Widowati. 2008. Pemupukan Berimbang dengan Perangkat Uji Tanah sawah. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian Bogor.
- Shoemaker, C.E. and D.I. Bransby. 2010. Chapter 9: the role of sorghum as a bioenergy feedstock in R. Braun, D. Karlen and D. Johnson (Eds.) *Proceeding of the sustainable feedstocks for advance biofuels workshop: sustainable alternative fuel feedstock opportunities, challenges, and roadmaps for six U.S. regions*. Pp 149-160.
- Sirappa, M. P. 2003. Prospek Pengembangan sorgum di indonesia sebagai komoditas alternatif untuk pangan, pakan, dan industri. *Jurnal Litbang Pertanian*, 22(4), 133-140.
- Soetrisno, R. D. 2002. Potensi tanaman pakan untuk pengembangan ternak ruminansia. Pidato Pengukuhan Jabatan Guru Besar pada Fakultas Peternakan. Universitas Gadjah Mada. Yogyakarta.
- Sriagtula, R., Karti P. D. M. H., Abdullah, L., Supriyanto dan Astuti, D.A. 2016. Dynamics of fiber fraction in generative stage of M10-BMR sorghum mutant lines. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*, Vol 25, No 2, pp 58-69.
- Sriagtula, R. 2016. Evaluasi produksi, nilai nutrisi dan karakteristik serat galur sorgum mutan brown midrib sebagai bahan pakan ruminansia. Disertasi Sekolah Pascasarjana IPB, Bogor.
- Steel, R. G. D dan J. H. Torrie. 1995. *Analisis dan Prosedur Statistika*. Penerjemah Bambang Sumantri. Gramedia Pustaka. Jakarta.

- Sucipto. 2010. Efektifitas cara pemupukan terhadap pertumbuhan dan hasil beberapa varietas sorghum manis (*Sorghum bicolor* L.Moench). *Jurnal Embryo*.
- Sunarlim, N. dan Gunawan, W. 1989. Pengaruh pemupukan nitrogen dan pupuk kandang terhadap pertumbuhan, hasil dan komponen hasil kedelai di lahan kering kabupaten garut. *J. Penelitian Pertanian* 9(3): 127-132
- Suprpto. dan R. Mudjisihono. 1987. *Budidaya dan Pengolahan Tanaman Sorgum*. Jakarta : Penebar Swadaya.
- Supriyanto. 2014. Development of promising sorghum mutant lines for improved fodder yield and quality under different soil types, water availability and agroecological zones. *Integrated Utilization of Cereal Mutant Varieties in Crop/Livestock Systems for Climate Smart agriculture (D2.30.30) and Workshop on Application of Nuclear Techniques for Increased Agricultural Production*, 18-21 Agustus 2014, SEAMEO-BIOTROP, Bogor.
- Syarief, E.S. 1986. *Kesuburan Tanah dan Pemupukan Tanah Pertanian*. Pustaka Buana, Bandung.
- Tabri, F., Zubachtirodin. 2013. *Budidaya tanaman sorgum*. Di dalam: Sumarno, Damardjati D S, Syam M dan Hermanto, editor. *Sorghum Inovasi Teknologi dan Pengembangan*. Jakarta (ID): IAAD Press. hlm 175-187.
- University of Arkansas. 1998. *Grain Sorghum Production Handbook*. Guidelines and recommendations are based upon research. The Arkansas Corn and Grain Sorghum Promotion Board.
- USDA (United State Department of Agriculture). 2008. *Classification for Kingdom Plantae Down to Species Sorghum bicolor (L.) Moench* (online). Didapat dari : <http://plants.usda.gov/java/>. Diakses pada tanggal 2 Maret 2018 pukul 23.45
- Yoku, O. 2010. *Produksi hijauan dan nilai nutrisi wafer rumput sudan (sorghum sudanense) sebagai pakan ternak ruminansia*. Disertasi. Program Pascasarjana Universitas Gadjah Mada. Yogyakarta.
- Yulita, R. dan Risda. 2006. *Pengembangan sorgum di Indonesia*. Direktorat Budi daya Serealia. Ditjen Tanaman Pangan, Jakarta.