

DAFTAR PUSTAKA

- Abdurachman, Dariah, A., Mulyani, A. 2008. Strategi dan teknologi pengelolaan lahan kering mendukung pengadaan pangan nasional. *Jurnal Litbang Pertanian*, 27 (2) : 43-49.
- Adesina, A.A., & Chianu, J. 2002. Determinants of farmers' adoption and adaptation of alley farming technology in Nigeria. *Agroforestry Systems*, 55: 99-112.
- Adimassu, Z., Kessler, A., Hengsdijk, H. 2012. Exploring determinants of farmers' investments in land management in the central rift valley of Ethiopia. *Applied Geography*, 35 : 191-198.
- Adiningsih, J.S. dan Sudjadi, M. 1993. *Peranan sistem bertanam lorong (alley cropping) dalam meningkatkan kesuburan tanah pada lahan kering masam*. Risalah Seminar Hasil Penelitian Tanah dan Agroklimat. Pusat Penelitian Tanah dan Agroklimat, Bogor.
- Akinagbe, O.M., and Irohibe, I.J. 2014. Agricultural adaptation strategies to climate change impacts in Africa: A Review. *Bangladesh J. Agril. Res.*, 39(3): 407-418.
- Allen, V.G., Bakeer, M.T., Segarra, E., Brown, C.P. 2007. Integrated irrigated crop-livestock system in dry climates. *Agronomy Journal*, 99 (2) : 346 – 360.
- Allouche, J. 2011. The sustainability and resilience of global water and food system : Political analysis of the interplay between security, resource scarcity, political system and global trade. *Food Policy*, 36: 53-58.
- Altieri, M.A. 2004. Linking ecologists and traditional farmers in the search for sustainable agriculture. *Front Ecol Environ.*, 2(1): 35-42.
- Alting, H. 2011. Penguasaan tanah masyarakat hukum adat (Suatu kajian terhadap masyarakat hukum adat Ternate). *Jurnal Dinamika Hukum*, 11(1) : 87-98.
- Amare H, Peter C, Ramilan T, Shalander K, Anthony W, Abhishek R, Michael B, Polly E, Krishna RK. 2016. Empirical evaluation of sustainability of divergent farms in the dryland farming system of India. *Ecological Indicators*, 60 : 710-723.
- Amekawa, Y. 2009. Reflections on the growing influence of good agricultural practices in the global south. *Journal of Agricultural and Environmental Ethics*, 22(6): 531-557.
- Anderson, W.K., Hamza, M.A., Sharma, D.L., D'Antuono, M.F., Hoyle, F.C., Hill, N., Shackley, B.J., Amjad, M., & Zaicou-Kunesch. C. 2005. The Role of Management in Yield Improvement of The Wheat Crop - A Review With Special Emphasis on Western Australia. *Aust J Agric Res.*, 56: 1137-1149.
- Angeles-Agdeppa, I. 2002. Food and nutrition security and poverty alleviation in the Philippines. *Asia Pacific Journal of Clinical Nutrition*, 11(suppl.): 5335-5340.
- Anwarudin, O., & Maryani, A. (2017). The effect of Institutional Strengthening on Farmers Participation and Self-Reliance in Bogor Indonesia. *International Journal of Research in Social Sciences*, 7(4): 409-422.
- Anwas, O.M. 2013. Pengaruh pendidikan formal, pelatihan, dan intensitas pertemuan terhadap kompetensi penyuluh pertanian. *Jurnal Pendidikan dan Kebudayaan*, 19(1): 50-62.
- Ariani, R dan Haryati, U. 2018. Sistem alley cropping : Analisis SWOT dan strategi implementasinya di lahan kering DAS hulu. *Jurnal Sumberdaya Lahan*, 12(1): 13-31.
- Ariani, M dan Rachman, H.P.S. 2003. *Analisis tingkat ketahanan pangan rumah tangga*. Media Gizi. Jurusan GMSK, Fakultas Pertanian, IPB. Bogor.
- Arif, S Syukri, M., Holmes, R., Febriany, V. 2010. *Gendered risks, poverty and vulnerability Case study of the Raskin food subsidy programme in Indonesia*. Overseas Development Institute and SMERU Research Institute. London.
- Arifin, B. 2004. Penyediaan dan aksesibilitas ketahanan pangan dalam *Prosiding Widyakarya Nasional Pangan dan Gizi VIII*. Jakarta 17-19 Mei 2004.
- Ariningsih, E dan Rachman, H.P.S. 2008. Strategi peningkatan ketahanan pangan rumah tangga rawan pangan. *Analisis Kebijakan Pertanian*. 6(3): 239 – 255.



- Armah, F.A., Odoi, J.O., Yengoh, G.T., Obiri, S., Yawson, D.O., Afrifa, E.K.A. 2011. Food security and climate change in drought-sensitive savanna zones of Ghana. *Mitig.Adapt. Strateg. Glob.Change*, 16: 291–306.
- Arsal, T. 2014. Kemiskinan dan ketahanan pangan di kalangan petani. *Forum Ilmu Sosial*, 41(1): 54-66.
- Arsyad, S. 2010. *Konservasi Tanah dan Air*. Edisi Kedua Cetakan Kedua. IPB Press. Bogor.
- Asadi, A., Kalantari, Kh., Choobchian, Sh. 2013. Structural analysis of factors affecting agricultural sustainability in Qazvin Province, Iran. *J. Agr. Sci. Tech.*, 15 : 11-22.
- Ashok, L., Deepika, N., Sujatha, G. P., Shiva, P.S. 2011. Areca nut: to chew or not to chew? *E-Journal of Dentistry*, 1(3): 46-50.
- Ashraf, M., and Routray, J.K. 2013. Perception and understanding of drought and coping strategies of farming households in north-west Balochistan. *International Journal of Disaster Risk Reduction*, 5: 49-60.
- Asih, D.N. 2009. Analysis of Characteristics and Earning Level of Shallots Farming System in Central Sulawesi. *J. Agroland*, 16(1): 53–59.
- Asmarantaka, R.W. 2007. Analisis ekonomi rumah tangga petani tanaman pangan di Provinsi Lampung. *Jurnal Agribisnis dan Ekonomi Pertanian*, 1(1): 1 – 18.
- Asseng, S., & Pannell, D.J. 2013. Adapting Dryland Agriculture to Climate Change: Farming Implications and Research and Development Needs in Western Australia. *Climatic Change*, 118: 167–181.
- Asyari, M.A.H dan Dewi, R.K. 2018. Analisis faktor-faktor yang mempengaruhi keberlanjutan pengelolaan hutan kemasyarakatan (Social forestry) (Studi kasus di Kelompok Tani Hutan Bual Desa Aik Bual, Kecamatan Kopang, Lombok Tengah). *Jurnal Manajemen Agribisnis* 6(2) : 42-47.
- Antwi-Agyei, P., Stringer, L.C., and Dougill, A.J. 2014. Livelihood adaptations to climate variability: insights from farming households in Ghana. *Reg Environ Change*, 1-12.
- Auluck, A., Hislop, G., Poh, C., Zhang, L., Rosin, M.P. 2009. Areca nut and betel quid chewing among South Asian immigrants to Western countries and its implications for oral cancer screening. *Rural Remote Health*, 9(2): 11-18.
- Averbeke, W and Khosa, T.B. 2007. The contribution of smallholder agriculture to the nutrition of rural households in a semi-arid environment in South Africa. *Water SA*, 33(3): 413-418.
- Bachrein, S. 2008. Pengkajian pengembangan model agribisnis jagung pada lahan kering di Kabupaten Ciamis. *Jurnal Pengkajian dan Pengembangan Teknologi Pertanian*, 11 (13) : 11-28.
- Badan Ketahanan Pangan. 2006. *Pedoman umum program aksi desa mandiri pangan (MAPAN)*. Departemen Pertanian Republik Indonesia.
- Badan Ketahanan Pangan. 2015. *Aplikasi Harmonisasi Analisis Pola Pangan Harapan Berdasarkan Data Susenas*. Kementerian Pertanian.
- Baiphethi, M.N and Jacobs, P.T. 2009. The contribution of subsistence farming to food security in South Africa. *Agrekon*, 48(4): 459-482.
- Baliwati. 2004. Pengantar pangan dan gizi. Penebar Swadaya. Jakarta.
- Banerjee, A., Hanna R., Kyle J., Olken, B.A., Sumarto, S. 2018. Tangible Information and Citizen Empowerment : Identification Cards and Food Subsidy Programs in Indonesia. *Journal of Political Economy*, 126 (2): 451-491.
- Barbier, B., Yacouba, H., Karambiri, H., Zorome, M., and Some, B. 2009. Human vulnerability to climate variability in the Sahel: Farmers' adaptation strategies in Northern Burkina Faso. *Environmental Management*, 43: 790–803.
- Barrett-Lennard, E.G., George, R.J., Hamilton, G., Norman, H.C., Masters, D.G. 2005. Multi-disciplinary approaches suggest profitable and sustainable farming system for valley floors at risk of salinity. *Australian Journal of Experimental Agriculture*, 45: 1415 – 1424.
- Barry, S dan John, S. 1993. Sustainable Agriculture: Interpretations, analyses and prospects.

Canadian Journal of Regional Science/Revue canadienne des sciences régionales,
XVI:3 : 499-524.

- Battese, G., and Coelli, T.J. 1993. *A stochastic frontier production function incorporating a model for technical inefficiency effects*. No 69. Oktober.
- Baznet, J. 2015. A viable future: attracting the youth to agriculture. *AFA Issue Paper*, 7(1):1-12.
- Behera, U.K., Yates, C.M., Kebreab, E., France, J. 2008. Farming systems methodology for efficient resource management at the farm level : a review from an Indian perspective. *Journal of Agriculture Science*, 146 : 494.
- Belay, K. 2004. Management of Droughts and Famines in Ethiopia. *Journal of Social Development in Africa*, 19(1): 93–127.
- Bell, M and Hotchkiss, P. 1991. Garden cultivation, conservation and household strategies in Zimbabwe. *Africa*, 61(2): 202-221.
- Berhanu W, Colman D, Fayissa B. 2007. Diversification and livelihood sustainability in a semi-arid environment: A case study from southern Ethiopia. *Journal of Development Studies*, 43(5): 871–889.
- Berry, E.M., Dernini, S., Burlingame, B., Meybeck, A., Conforti, P. 2015. Food security and sustainability: can one exist without the other?. *Public Health Nutrition*: 18(13): 2293–2302.
- Bhutto, A.W. dan Bazmi, A.A. 2007. Sustainable agriculture and eradication of rural poverty in Pakistan. *Natural Resources Forum*, 31(4): 253-262.
- Biazin, B. dan Sterk, G. 2013. Drought vulnerability drives land-use and land cover changes in the Rift Valley dry lands of Ethiopia. *Agriculture, Ecosystem and Environment*, 164: 100-113.
- Boafo, Y.A., Saito, O., Jasaw, G.S., Otsuki, K., Takeuchi, K. 2016. Provisioning ecosystem services-sharing as a coping and adaptation strategy among rural communities in Ghana's semi-arid ecosystem. *Ecosystem Services*, 19: 92-102.
- Booth, S and Smith, A. 2001. Food security and poverty in Australia— Challenges for Dietitians. *Australian Journal of Nutrition and Dietetics*, 58(3) : 150 – 156.
- Bourgeois, R and Jesus, F. 2004. Participatory prospective analysis, exploring and anticipating challenges with stakeholders. Center for Alleviation of Poverty through Secondary Crops development in Asia and The Pacific and French Agricultural Research Center for International Development. *Monograph (46) : 1 – 29*.
- Bowers, J. 1995. Sustainability, agriculture, and agricultural policy. *Environment and Planning A*, 27: 1231–1243.
- BPS^a. 2019. *Nusa Tenggara Timur Province in figures*. Badan Pusat Statistik Nusa Tenggara Timur. Kupang.
- BPS^b. 2019. *Profil sektor pertanian Provinsi Nusa Tenggara Timur 2018*. Badan Pusat Statistik Nusa Tenggara Timur. Kupang.
- BPS. 2018. *Statistical yearbook of Indonesia 2018*. BPS-Statistics Indonesia. Jakarta.
- BPS. 2018. *Sumba Timur in figure 2018*. BPS Statistics of Sumba Timur Regency. Waingapu.
- BPS^a. 2017. *Ringkasan data dan informasi kemiskinan Provinsi Nusa Tenggara Timur 2017*. Badan Pusat Statistik Nusa Tenggara Timur. Kupang.
- BPS^b. 2017. *Nusa Tenggara Timur Province in figures*. Badan Pusat Statistik Nusa Tenggara Timur. Kupang.
- BPS^c. 2016. *Ringkasan pola konsumsi penduduk Provinsi Nusa Tenggara Timur September 2016*. Badan Pusat Statistik Nusa Tenggara Timur. Kupang.
- BPS. 2016. *Nusa Tenggara Timur Province in Figures*. BPS-Statistics Nusa Tenggara Timur. Kupang.
- BPS. 2009. *Profil Kemiskinan di Indonesia, Maret 2009*. Berita Resmi Statistik No. 43/07/Th.XII. Badan Pusat Statistik. Jakarta.
- Branca, G., Lipper, L., McCarthy, N., Jolejole, M.C. 2013. Food security, climate change, and

- sustainable land management. A review. *Agron. Sustain. Dev.*, 33: 635–650.
- Braun, V.J., Swaminathan, M.S, Rosegrant, M.W. 2004. *Agriculture, food security, nutrition and the millennium development goals*. International Food Policy Institute (IFPRI). Washington, D.C.
- Budiasa, I.W. 2010. Pendekatan sistem usahatani untuk pertanian berkelanjutan. *dwijenAGRO*, 1(2) : 21-30.
- Burton, R.J.F., and Peoples, S. 2014. Market liberalisation and drought in New Zealand : A case of double exposure for dryland sheep farmers?. *Journal of Rural Studies*. 33: 82-94.
- Butarbutar, T. 2012. Agroforestri untuk adaptasi dan mitigasi perubahan iklim. *Jurnal Analisis Kebijakan Kehutanan*, 9(1): 1-10.
- Canali, M., & Slaviero, F. 2010. *Food insecurity and risk management of smallholder farming systems in Ethiopia*. 9th European IFSA Symposium, 4-7 July 2010. Vienna, Austria : 1267–1278.
- Carlos, G.H.D dan Emiliano, M. 2014. Achieving global food security through sustainable development of agriculture and food systems with regard to nutrients, soil, land, and waste management. *Curr Sustainable Renewable Energy Rep.*, 1 : 57–65.
- Carolina dan Hidajat, E.W. 2016. Agroecological appraisal of community food security strategy in the District of Belu East Nusa Tenggara. *Pangan*, 25(2): 83 – 94.
- Cavatassi, R., Lipper, L., & Narloch, U. 2011. Modern variety adoption and risk management in drought prone areas: insights from the sorghum farmers of Eastern Ethiopia. *Agricultural Economics*, 42: 279–292.
- Ceunfina, S., Humoena, M.U., Boyfalaa, S.M.A., Serana, A.H., Lelang, A. 2018. Pengaruh model defoliasi daun jagung dan jumlah benih terhadap hasil jagung dan kacang nasi pada sistem tumpangsari salome (kearifan lokal Timor). *Jurnal Pertanian Konservasi Lahan Kering Savana Cendana*, 3 (1) 8-10.
- CGIAR Research Program on Dryland Systems. 2013. *New research approaches to improve drylands agriculture to deliver a more prosperous future*. International Center for Agricultural Research in the Dry Areas (ICARDA). Ethiopia.
- Cheng, X., Shuai, C., Liu, J., Wang, J., Liu, Y., Li, W., Shuai, J. 2018. Modelling environment and poverty factors for sustainable agriculture in the Three Gorges Reservoir Regions of China. *Land Degradation & Development*, 29(11): 3940-3953.
- Cherchye, L., Kuosmanen, T., 2002. *Benchmarking sustainable development: a synthetic meta-index approach*. Working Paper Others 0210001, EconWPA.
- Cherchye, L., Kuosmanen, T., 2006. *Benchmarking sustainable development: a synthetic meta-index approach*. In: McGillivray, M., Clarke, M. (Eds.), *Understanding Human Well-being*. United Nations University Press, Tokyo. : 139–168.
- Chung, K., Haddad, L., Ramakrishna, J., and Riely, F. 1997. *Identifying the food insecure: the application of mixed- method approaches in India*. International Food Policy Research Institute, Washington, D.C.
- Codjoe, F.N.Y., Ocansey, C.K., Boateng, D.O., and Ofori, J. 2013. Climate change awareness and coping strategies of cocoa farmers in rural Ghana. *Journal of Biology, Agriculture and Healthcare*. 3(11): 19-30.
- Colby, Michael E. 1990. *Environmental management in development: the evolution of paradigms*. World Bank Discussion Paper Number 80. The International Bank for Reconstruction and Development/The World Bank. Washington DC. U.S.A.
- Conway, G.R. 1987. The properties of agroecosystems. *Agric. Syst.*, 24 : 95–117.
- Coppo, G., Stemp, S., Reho, M. 2017. Urban food strategies and plans: Considerations on the assessment construction. *City Territ. Archit.*, 4 : 1–7.
- Darkoh, M.B.K. 2003. Regional perspectives on agriculture and biodiversity in the drylands of Africa. *Journal of Arid Environments*, 54: 261–279.



- Darnhofer, I., Bellon, S., Dedieu, B., & Milestad, R. 2011. Adaptiveness to enhance the sustainability of farming systems: A Review. *Agronomy for Sustainable Development*, 30: 545–555.
- Darwis, V. 2008. *Keragaan penguasaan lahan sebagai faktor utama penentu pendapatan petani*. Seminar Nasional. Dinamika Pembangunan Pertanian dan Perdesaan : Tantangan dan Peluang bagi Kesejahteraan Petani. 19 Nopember 2008. Bogor.
- Davies, S., Leach, M. 1991. *Food Security and Environment*. *IDS Bulletin*. 22(3):1-4.
- Dewan Ketahanan Pangan. 2015. *Peta ketahanan dan kerentanan pangan Indonesia 2015. versi rangkuman*. Dewan Ketahanan Pangan. Kementrian Pertanian dan World Food Programme (WFP). Jakarta.
- Dewan Ketahanan Pangan. 2015. *Peta ketahanan dan kerentanan pangan Nusa Tenggara Timur Tahun 2015*. Dewan Ketahanan Pangan. Pemerintah Propinsi Nusa Tenggara Timur dan World Food Programme (WFP). Kupang.
- Devendra, C., & Chantalakhana, C. 2002. Animals, poor people and food insecurity: opportunities for improved livelihoods through efficient natural resource management. *Agriculture*, 31(3): 161–75.
- Diagne, A., & Demont, M. 2007. Taking a new look at empirical models of adoption: Average treatment effect estimation of adoption rate and its determinants. *Agricultural Economics*, 37(2-3): 201–210.
- Dillon, E.J., Hennessy, T., Hynes, S. 2010. Assessing the sustainability of Irish agriculture. *International Journal of Agricultural Sustainability*, 8(3): 131–147.
- Dirgahayu, D. 2006. *Deteksi kekeringan lahan sawah berdasarkan indeks panas vegetasi menggunakan data satelit terra/aqua MODIS*. Prosiding Seminar Nasional Sumberdaya Lahan Pertanian. Bogor: 14-15 September 2006. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Departemen Pertanian.
- Dixon, J. 1988. *Farming system development as an approach to maximizing farm-household income*. Farm Management Notes for Asia and the Far East. Maliwan Mansion, Phra Atit Road: FAO (11): 1-12.
- Djunedi, P. 2016. Analisis asuransi pertanian di Indonesia: Konsep, tantangan dan prospek. *Jurnal Borneo Administrator*. 12(1) : 9-27.
- Dobermann, A. 2013. *Solutions for sustainable agriculture and food systems. Technical Report For The Post-2015 Development Agenda*. Sustainable Development Solution Network.
- Dolisca, F., Carter, D.R., McDaniel, J.M., Shannon, D.A., & Jolly, C.M. 2006. Factors influencing farmers' participation in forestry management programs: a case study from Haiti. *Forest Ecology and Management*, 236: 324–331.
- Dowler, E., Turner, S., Dobson, B. 2001. *Poverty bites : food, health and poor families*. CPAG. London.
- Downey, W. D dan Erickson, S.P. 1992. *Manajemen agribisnis*. Erlangga. Jakarta.
- Duraiappah, A. 1996. *Poverty and environmental degradation: a literature review and analysis*. CREED Working Paper Series No. 8. London: International Institute for Environment and Development.
- Earles, R. 2005. *Sustainable agriculture: An introduction*. National Center for Appropriate Technology. <http://www.unece.org/stats/documents/2001/10/env/wp.21.e.pdf>.
- Effendi, D.S. dan Abdurachman, A. 1992. Potensi lahan kering Banjarejo-Kalangdosari Kabupaten Grobogan bagi peluang pengembangan tanaman industri dan holtikultura. *Media Komunikasi Penelitian dan Pengembangan Tanaman Industri*, 1 (9) : 60-65.
- El-Beltagy, A., Hamdi, Y., El-Gindy, M., Hussein, A., Abou-Hadid, A. 1997. Dryland farming research in Egypt: Strategies for developing a more sustainable agriculture. *American Journal of Alternative Agriculture*, 12(3): 124–129.
- Enfors, E.I., and Gordon, L.J. 2008. Dealing with drought : The challenge of using water system technologies to break dryland poverty traps. *Global Environmental Change*, 18: 607-

- Erfandi, D. 2013. Teknik konservasi tanah lahan kering untuk mengatasi degradasi lahan pada Desa Mojorejo, Lamongan. *Jurnal Bumi Lestari*, 13(1): 91-97.
- Eriksen, S.H., Brown, K., and Kelly, P.M. 2005. The dynamics of vulnerability: locating coping strategies in Kenya and Tanzania. *Geogr J.*, 171(4): 287–305.
- Essex, J. 2010. Sustainability, Food Security, and Development Aid after the Food Crisis: Assessing Aid Strategies across Donor Contexts. *Sustainability*, 2: 3354-3382.
- Euriga, E., Amanah, S., Fatchiya, A., Asngari, P.S. 2018. Implementasi Penyuluhan Hortikultura Berkelanjutan di Provinsi D.I. Yogyakarta. *Jurnal Penyuluhan*, 14(2) : 289-307.
- Evet, S.R., & Tolk, J.A. 2009. Introduction: can water use efficiency be modeled well enough to impact crop management?. *Agronomy Journal*, 101(3): 423–425.
- Fachruddin, Setiawan, B.I., Prastowo, Mustafiril. 2015. Pemanenan Air Hujan Menggunakan Konsep Zero Runoff System (ZROS) dalam Pengelolaan Lahan Pala Berkelanjutan. *Jurnal Teknik Sipil*, 22(2): 127-136.
- Fahrizal. 2015. *Model perencanaan agroindustri gula tebu lahan kering berkelanjutan di Provinsi Nusa Tenggara Timur*. Disertasi. Sekolah Pascasarjana. Institut Pertanian Bogor. Bogor.
- Falo, M dan Nubatonis, A. 2017. Partisipasi anggota kelompok tani dalam berusaha tani bawang putih di Desa Sallu Kecamatan Miomaffo Barat Kabupaten Timor Tengah Utara. *Agrimor*, 2(2) :17-22.
- FAO. 1984. Farming system development: the FAO programme. *Farm Management Notes for Asia and the Far East*. Maliwan Mansion, Phra Atit Road: FAO (8, 1984): 1-8.
- FAO. 1985. The Role of FSD in farm management. *Farm Management Notes for Asia and the Far East*. Maliwan Mansion, Phra Atit Road: FAO (10, 1987): 1-7.
- FAO. 2004. *Carbon sequestration in dryland soils*. <http://www.fao.org/docrep/007/y5738e/y5738e00.htm> diakses pada tanggal 20 April 2018.
- FAO. 2008. Water and cereals in drylands. Rome : FAO
- FAO. 2010. *News release about world hunger*. FAO. Rome. Italy.
- FAO. 2013. *SAFA Sustainability assessment of food and agriculture systems indicators*. Food and Agriculture Organization of The United Nations. Rome.
- Fauzi, A., dan Oxtavianus, A. 2014. Pengukuran pembangunan berkelanjutan di Indonesia. *Jurnal Mimbar*, 30(1): 42-52.
- Ferdinand, A. 2006. *Structural equation modelling*. Universitas Diponegoro. Semarang.
- Firdaus, M., Harmini. Farid, M.A. 2008. *Aplikasi metode kuantitatif untuk manajemen dan bisnis*. IPB Press. Bogor.
- Firmansyah, I., Widiatmaka, Pramudya, B., Budiharsono, S. 2016. Sustainability status of rice fields in the rice production center of Citarum Watershed. *AAB Bioflux*, 8(1) : 13– 25.
- Fisheries Centre. 2002. *Rapid appraisal of the status of fisheries – RAPFISH*. 1993-2000 Fisheries Centre Report, Updated to March 2002, Fisheries Centre, University of British Columbia. Vancouver, BC, Canada
- Foraete, H.M. 2001. *Food security strategies for the Republic of Fiji*. Working Paper No. 55. The CGPRT Centre, Bogor.
- Foresta, H.D dan Michon, G. 1997. The agroforest alternative to Imperata grasslands : when smallholder agriculture and forestry reach sustainability. *Agroforestry Systems*, 36: 105 – 120.
- Fowler, R., Rockstorm, J. 2001. Conservation tillage for sustainable agriculture An agrarian revolution fathers momentum in Africa. *Soil & Tillage Research*, 61: 93–107.



- Fraser, E.D.G., Dougill, A.J., Hubacek, K., Quinn, C.H., Sendzimir, J., Termansen, M. 2011. Assessing vulnerability to climate change in dryland livelihood systems: Conceptual challenges and interdisciplinary solutions. *Ecology and Society*, 16(3): 3
- Fuglie, K.O., Wang, S.L., Ball, V.E. 2012. *Productivity growth in agriculture : an international perspective*. Cambridge, MA : CABI.
- Gaboury-Bonhomme, M.È. 2015. *Society oriented and sustainable agriculture: An emerging paradigm in Québec (Canada)?* In Proceedings of the Second International Conference on Agriculture in an Urbanizing Society Reconnecting Agriculture and Food Chains to Societal Needs, Rome, Italy, 14–17 September 2015.
- Gafsi, M., Brossier, J. 1997. Farm management and protection of natural resources: analysis of adaptation process and dependence relationships. *Agricultural Systems*, 55(1) : 71-97.
- Ghozali, I. 2011. *Model persamaan struktural konsep dan aplikasi dengan program Amos19*. Badan Penerbitan UNDIP. Semarang.
- Giller, K.E., Witter, E., Corbeels, M., Tittonell, P. 2009. Conservation agriculture and smallholder farming in Africa : The heretics' view. *Field Crop Research*, 114: 23–34.
- Girsang, W. 2009. Strategi pengentasan kemiskinan di pulau kecil di Maluku. *Jurnal Agrikultura*, 20(3).
- Godfray, H.C.J and Garnett, T. 2014. Food security and sustainable intensification. *Philosophical Transaction of the Royal Society B*, 369: 1-10.
- Goldman, A. 1995. Threats to sustainability in African agriculture: Searching for appropriate paradigms. *Human Ecology*, (23)3: 291–334.
- Ghosh, P.K., Das, A., Saha, R., Kharkrang, E., Tripathi, A.K., Munda, G.C., Ngachan, S.V. 2010. Conservation agriculture towards achieving food security in North East India. *Current Science*, 99(7) : 915-921.
- Graef, F., and Haigis, J. 2001. Spatial and temporal rainfall variability in the Sahel and its effects on farmers' management strategies. *Journal of Arid Environments*, 48: 221-231.
- Grando, S.; Brunori, G.; Colombo, L. 2015. *Quality, technology, sovereignty. discourses on food security in Italy*. In Proceedings of the Second International Conference on Agriculture in an Urbanizing Society Reconnecting Agriculture and Food Chains to Societal Needs, Rome, Italy, 14–17 September.
- Gregory, P.J., Ingram, J.S.I., Brklacich, M. 2012. Climate change and food security. *Philosophical Transaction of the Royal Society B*, 360: 2139–2148.
- Hair, J.F. 2010. *Multivariate data analysis*. Seventh Edition. Pearson Prentice Hall.
- Halavatau, S.M. and Halavatau, N.V. 2001. *Food security strategies for the Kingdom of Tonga*. Working Paper No. 57: The CGPRT Centre, Bogor.
- Hamadeh, S.K., Zurayk, R., El-Awar, F., Talhouk, S., Abi Ghanem, D., Abi-Said, M. 1999. Farming system analysis of drylands agriculture in Lebanon: An analysis of sustainability. *Journal of Sustainable Agriculture*, 15(2/3): 33–43.
- Hammel, J.E. 1996. Water conservation practices for sustainable dryland farming systems in the Pacific Northwest. *American Journal of Alternative Agriculture*, 11(2 and 3): 58–63.
- Hanani, N. 2012. Strategi pencapaian ketahanan pangan keluarga. *Ekonomi Pertanian*, 1(1) : 1 – 10.
- Hardinsyah dan Briawan, D. 1990. *Penilaian dan perencanaan konsumsi pangan*. Jurusan GMSK, Fakultas Pertanian, IPB. Bogor.
- Handriyadi, I., dan Wulandari, E. 2017. Keanggotaan kelompok tani dan kaitannya dengan akses terhadap sumber pembiayaan usaha tani pisang di Kabupaten Cianjur. *Agricore*, 2(2): 311 – 314.
- Harniati, H., & Anwarudin, O. (2018). The interest and action of young agricultural entrepreneur on agribusiness in Cianjur Regency, West Java. *Jurnal Penyuluhan*, 14(2): 189-198.
- Haro, G.O., & Doyo, G.J. 2005. Linkages between community, environmental, and conflict management : Experiences from Northern Kenya. *World Development*, 33(2): 285–299.



- Harris, F., Yusuf, M.A. 2001. Manure management by smallholder farmers in The Kano Close-Settled Zone, Nigeria. *Expl Agric.*, 37: 319–332.
- Harvey, C.A., Rakotobe, Z.L., Rao, N.S., Dave, R., Razafimahatratra, H., Rabarijohn, R.H., Rajaofara, H., & Mackinnon, J.L. 2014. Extreme Vulnerability of Smallholder Farmers to Agricultural Risks and Climate Change in Madagascar. *Phil. Trans. R. Soc. B.*, 369: 1–12.
- Hazell, P.B.R and Hess, U. 2010. Drought insurance for agricultural development and food security in dryland areas. *Food Sec.*, 2: 395–405.
- Herdiana, A., Darwanto, D.H., Mulyo, J.H. 2014. Ketahanan pangan rumah tangga di Kabupaten Ciamis. *SEPA*, 11(1) : 21-34.
- Hermawan, H dan Andrianyta, H. 2012. Lembaga keuangan mikro agribisnis: terobosan penguatan kelembagaan dan pembiayaan pertanian di perdesaan. *Analisis Kebijakan Pertanian*. 10(2) : 143-158.
- Hernanto, F. 1989. Ilmu Usahatani. Penerbit Swadaya, Jakarta.
- Hesselberg, J and Yaro, J.A. 2006. An assessment of the extent and causes of food insecurity in northern Ghana using a livelihood vulnerability framework. *GeoJournal*, 67(1): 41–55.
- Hillel, D and Rosenzweig, C. 1989. *The greenhouse effect and its implications regarding Global Agric.* In. Res. Bull. No. 724. Univer Massachusetts Agric Prepared for the Climate Change Team/ ENV The World Bank. Washington, DC.
- Hoang, M.H., Namirembe, S., Noordwijk, M., Catacutan, D., Öborn, I., Perez-Teran, A.S., Nguyen, H.Q., and Dumas-Johansen, M.K. 2014. Farmer portfolios, strategic diversity management and climate-change adaptation – implications for policy in Vietnam and Kenya. *Climate and Development*, 6(3): 216–225.
- Hoddinott, J., and Y. Yohannes. 2002. *Dietary diversity as a food security indicator*. International Food Policy Research Institute. Washington, D.C.
- Hou, J., P. Zhang, X. Yuan, dan Y. Zheng. 2011. Life cycle assessment of biodiesel from soybean, jatropha and microalgae in China conditions. *Renewable and Sustainable Energy Reviews*, 15(9): 5081–509.
- Hurni, H. 2000. Assessing sustainable land management (SLM). *Agriculture, Ecosystems & Environment*, 81(2) : 83–92.
- Huszar, P.C. 1992. *Government incentives for soil conservation. Conservation Policies for Sustainable Hillslope Farming*. Soil and Water Conservation Society. Ankeny, Iowa : 40-42.
- Ingram, J.S.I., Gregory, P.J, Brklacich, M. (eds). 2005. *GECAFS Science plan and implementation strategy*. ESSp report. Wallingfords, Vol 2.
- IUCN. 1991. *Fighting for survival: insecurity, people and the environment in the horn of Africa*. IUCN.
- Irawan, B dan Pranadji, T. 2002. Pemberdayaan lahan kering untuk pengembangan agribisnis berkelanjutan. *FAE*, 20(2) : 60 – 76.
- Irianto, G., Amien, L.I., Surmaini, E. 2005. *Keragaman iklim sebagai peluang diversifikasi sumberdaya lahan di Indonesia dan pengelolaan*. Pusat Penelitian Tanah dan Agroklimat. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian.
- Irianto, H., dan Mardikanto, T. 2011. *Metode penelitian dan evaluasi agribisnis*. Program Studi Agribisnis. Fakultas Pertanian. Universitas Sebelas Maret. Surakarta.
- Ishak, M., Sudirja, R., dan Ismail, A. 2012. Zonasi kesesuaian lahan untuk pengembangan tanaman sorgum manis (*Sorgum bicolor* (L) moench) di Kabupaten Sumedang berdasar analisis geologi, penggunaan lahan, iklim, dan topografi. *Bionatura-Jurnal Ilmu-ilmu Hayati dan Fisik*. 14(3): 173 – 183.
- Jama, B.A., Mohamed, A.M., Mulatya, J., Njui, A.N. 2008. Comparing the “Big Five” : A framework for the sustainable management of indigenous fruit tress in the drylands of East and Central Africa. *Ecological Indicators*, 8: 170–179.



- Jamal, E. 2008. Kajian kritis terhadap pelaksanaan pembangunan perdesaan di Indonesia. *Forum Penelitian Agro Ekonomi*, 26(2): 92-102.
- Jayati, L.D., Madanijah, S., Khomsan, A. 2014. Food consumption patterns, eating habits, and nutrient density on the Ciptagelar community West Java. *Penelitian Gizi Makan*, 37(1): 33-42.
- Jenrich, M. 2011. Potential of precision conservation agriculture as a means of increasing productivity and incomes for smallholder farmers. *Journal of Soil and Water Conservation*, 66(6) : 171A-174A.
- Jin, K., Cornelis, W.M., Schiettecatte, W., Lu, J., Yao, Y., Wu, H., Gabriels, D., Neve, S.D., Cai, D., Jin, J., & Hartmann, R. 2007. Effects of Different Management Practices on the Soil-Water Balance and Crop Yield for Improved Dryland Farming in the Chinese Loess Plateau. *Soil & Tillage*, 96: 131–144.
- Jiri, O., Mafongoya, P., and Chivenge, P. 2015. Smallholder Farmer Perceptions on Climate Change and Variability: A Predisposition for their Subsequent Adaptation Strategies. *Earth Science & Climatic Change*, 6(5): 1-7.
- Jodha, N.S. 1991. Drought Management : Farmers' Strategies and Their Policy Implications. *Economic and Political Weekly*, 26 (39) : A98-A104.
- Johns, T and Sthapit, B.R. 2004. Biocultural diversity in the sustainability of developing-country food systems. *Food and Nutrition Bulletin*, 25(2): 143–155.
- John, M., Pannell, D., & Kingwell, R. 2005. Climate Change and the Economics of Farm Management in the Face of Land Degradation: Dryland Salinity in Western Australia. *Canadian Journal of Agricultural Economics*, 53: 443–459.
- Kadigi, R.M.J., Mdoe, N.S.Y., and Ashimogo, G.C. 2007. Collective arrangements and social networks : Coping strategies for the poor households in the Great Ruaha Catchment in Tanzania *Physics and Chemistry of the Earth*, 32: 1315-1321.
- Kadir, A. 2006. Transportasi : Peran dan dampaknya dalam pertumbuhan ekonomi nasional. *Jurnal Perencanaan dan Pengembangan Wilayah Wahana Hijau*, 1(3) : 121-131.
- Karsidi, R. 2001. Paradigma baru penyuluhan pembangunan dalam pemberdayaan masyarakat. *Mediator*, 2(1): 115-125.
- Kartasapoetra, A.G. 1989. *Teknologi benih: pengolahan benih dan tuntunan praktikum*. Bina Aksara. Jakarta.
- Kasryno dan Soeparno. 2012. Pertanian lahan kering sebagai solusi untuk mewujudkan kemandirian pangan masa depan *dalam* Buku Prospek pertanian lahan kering dalam mendukung ketahanan pangan. Badan Penelitian Dan Pengembangan Pertanian. Kementerian Pertanian.
- Kassam, A., Friedrich, T., Derpsch, R., Lahmar, R., Mrabet, R., Basch, G., Sanchez, E.J.G., Serraj, R. 2012. Conservation agriculture in the dry Mediterranean climate. *Field Crops Research*, 132: 7–17.
- Kavanagh, P. 2001. *Rapid appraisal of fisheries (rapfish) project. rapfish software description (for microsof exel)*. Fisheries Centre, University of British Columbia. Vancouver, BC, Canada.
- Khalid, B.S., Antonio, C., Giuseppe, T., Salvatore, L.C., and Paolo, G. 2018. A sustainable organic production model for “food sovereignty” in the United Arab Emirates and Sicily-Italy. *Sustainability*, 10, 620.
- Khawaja, M.R., Mazahir, S., Majeed, A., Malik, F., Merchant, K.A., Maqsood, Malik, R., Ghaffar, S., Fatmi, Z. 2006. Chewing of betel, areca and tobacco: perceptions and knowledge regarding their role in head and neck cancers in an urban squatter settlement in Pakistan. *Asian Pacific Journal of Cancer Prevention*, 7: 95-100.
- Kingwell, R.S., Morrison, D. A., Bathgate, A. D. 1992. The effect of climatic risk on dryland farm management. *Agricultural Systems*, 39 : 153-175
- Kingwell, R.S., John, M., & Robertson, M. 2008. A review of a Community-Based Approach to

- Combating Land Degradation: Dryland Salinity Management in Australia. *Environ Dev Sustain.*, 10: 899–912.
- Kinseng. 2008. *Konflik Sosial*. Materi Workshop Resolusi Konflik di Bogor tanggal 26 27 November 2008. Pusat Kajian Resolusi Konflik (CARE) Lembaga Penelitian dan Pengabdian kepada Masyarakat Institut Pertanian Bogor.
- Kirwan, J and Maye, D. 2013. Food security framings within in UK and the integration of local food systems. *Journal of Rural Studies*, 29: 91–100.
- Knutson, C.L., Haigh, T., Hayes, M.J., Widhalm, M., Nothwehr, J., Kleinschmidt, M., Graf, L. 2011. Farmer perceptions of sustainable agriculture practices and drought risk reduction in Nebraska, USA. *Renewable Agriculture and Food Systems*, 26(3): 255–266.
- Kortright, R and Wakefield, S. 2011. Edible backyards: a qualitative study of household food growing and its contributions to food security. *Agric Hum Values*, 28: 39–53.
- Kostov, P and Lingard, J. 2002. Subsistence farming in transitional economies: lessons from Bulgaria. *Journal of Rural Studies*, 18: 83–94.
- Kreitner, R and Kinicki, A. 2001. *Organizational behavior*. Fifth Edition. Mc Graw-Hill companies. Inc.
- Krisdyatmiko. 2012. Kemampuan desa dalam mewujudkan ketahanan pangan: pembelajaran dari Indonesia Timur. *WELFARE, Jurnal Ilmu Kesejahteraan Sosial*, 1(2) : 183-201.
- Krisna, R dan Harry. 2014. Hubungan tingkat kepemilikan dan biaya usaha dengan pendapatan peternak sapi potong di Kabupaten Sukabumi Provinsi Jawa Barat (Studi Korelasi). *Jurnal Aplikasi Manajemen*, 12(2): 295-305.
- Kristjanson, P., Neufeldt H., Gassner, A., Mango J., Kyazze, FB., Desta S., Sayula G., Thiede B., Förch W., Thornton PK., Coe R. 2012. Are Food Insecure Smallholder Households Making Changes in Their Farming Practices? Evidence from East Africa. *Food Sec.*, 4: 381–397.
- Kropff, M.J., Boumab, J., Jones, J.W. 2001. Systems approaches for the design of sustainable agro-ecosystems. *Agricultural Systems*, 70: 369–393.
- Hesselberg, J., Yaro, J.A. 2006. An assessment of the extent and causes of food insecurity in northern Ghana using a livelihood vulnerability framework. *GeoJournal*, 67(1): 41–55.
- Latief, D., Atmarita, Minarto, A., Basuni, dan Tilden, R. 2000. Konsumsi Pangan Tingkat Rumah tangga Sebelum dan Selama Krisis Ekonomi. *Dalam* A.K. Seta et al. (eds.). Prosiding Widyakarya Nasional Pangan dan Gizi VII. Jakarta, 29 Februari – 2 Maret 2000. Lembaga Ilmu Pengetahuan Indonesia, Jakarta.
- Lefroy, R.D.B., Bechstedt, H.D. and Rais, M. 2000. Indicators for sustainable land management based on farmer surveys in Vietnam, Indonesia, and Thailand. *Agriculture, Ecosystems & Environment*, 81(2): 137–146.
- Lal, R. 2013. Food security in changing climate. *Ecohydrology & Hydrobiology*, 13: 8–21.
- Lema, M.A., and Majule, A.E. 2009. Impacts of climate change, variability and adaptation strategies on agriculture in semi arid areas of Tanzania: The case of Manyoni District in Singida Region, Tanzania. *African Journal of Environmental Science and Technology*, 3(8): 206-218.
- Leyna, G.H., Mmbaga, E.J., Mnyika, K.G., Hussain, A., and Klepp, K.L. 2010. Food insecurity is associated with food consumption patterns and anthropometric measures but not serum micronutrient levels in adults in rural Tanzania. *Public Health Nutrition*. 13:1438–1444.
- Lowrance, R., Hendrix, R.P, Odum, E.P. 1986. A hierarchical approach to sustainable agriculture. *American Journal of Alternative Agriculture*, 1(4): 169-173.
- Luedeling, E., Kindt, R., Huth, N, I., Koenig, K. 2014. Agroforestry systems in changing climate – challenges in projecting future performance. *Current Opinion on in Environmental Sustainability*. 6 : 1-7.
- MacMillan, T and Dowler, E. 2011. Just and sustainable? Examining the rhetoric and potential realities of UK food security. *Journal of Agricultural and Environmental Ethics Online*, 1-

- McGuire, S.J. 2007. Vulnerability in farmer seed systems: farmer practices for coping with seed insecurity for shorgum in Eastern Ethiopia. *Economic Botany*, 61(3): 211–222.
- Maina, I., Miruka, M., Rono, B., Njeru P.N.M., Amboga, S., Gitari, J., Mahasi M., & Murithi, F. 2012. Adaptive strategies and local innovations of smallholder farmers in selected agri-food systems of Central Kenya. *African Crop Science Journal*, 20(1): 77–84.
- Maji, C.C. 1991. Farming system approach to research. *Indian Journal of Agricultural Economic*, 46 (3): 403–411.
- Malhotra, N.K. 1992. *Marketing research*. Prentice Hall International, Inc. London.
- Mamuko, F., Walangitan, H., Tilaar, W. 2016. Persepsi dan partisipasi masyarakat dalam upaya rehabilitasi hutan dan lahan di Kabupaten Bolaang Mongondow Timur. *Eugenia*, 22(2): 80 – 91.
- Mandaka, S dan Hutagaol, M.P. 2016. Analisis fungsi keuntungan, efisiensi ekonomi, dan kemungkinan skema kredit bagi pengembangan skala usaha peternakan sapi perah rakyat di Kelurahan Kebon Pedes, Kota Bogor. *Jurnal Agro Ekonomi*, 23(2) : 191-208.
- Marsh, R. 1998. Building traditional gardening to improve household food security. *Food Nutr Agric.*, 22: 4–14.
- Marsigit, W. 2010. Pengembangan diversifikasi produk pangan olahan lokal Bengkulu untuk menunjang ketahanan pangan berkelanjutan. *AGRITECH*, 30(4) : 256 – 264.
- Maryani, A., Haryanto, Y., Anwarudin, O. 2017. Strategy of agricultural extension to improve participation of the farmers in special effort in increasing rice production. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*, 36(4): 163-174.
- Masrun. 1979. *Analisis item*. Fakultas Psikologi UGM. Yogyakarta.
- Maxwell, S. 1996. Food security: a post-modern perspective. *Food Policy*, 21(2) : 155-170.
- Maxwell, D., Levin, C., Klemesu, M.A., Ruel, M., Mouris, S., and Ahiadeke, C. 2000. *Urban livelihoods and food and nutrition security in Greater Accra, Ghana*. International Food Policy Research Institute In Collaboration with The Noguchi Memorial Institute for Medical Research and The World Health Organization. Research Report 112.
- Mbow, C., Noordwijk, M.V., Leudeling, E., Nuefeldt, H., Minang, P.A., Kowero, G. 2014. Agroforestry solutions to address food security and climate change challenges in Afrika. *Environmental Sustainability*, 6: 61-67.
- McCown, R.L., Parton, K.A. 2006. Learning from the Historical Failure of Farm Management Models to Aid Management Practice. Part 2. Three Systems Approaches. *Australian Journal of Agricultural Research*, 57: 157–172.
- Mengistu, D.J. 2011. Farmers' perception and knowledge of climate change and their coping strategies to the related hazards: Case study from Adiha, central Tigray, Ethiopia. *Agricultural Sciences*, 2(2): 138-145.
- Mertz, O., Mbow, C., Reenberg, A., Diouf, A. 2009. Farmers' perceptions of climate change and agricultural adaptation strategies in rural Sahel. *Environmental Management*, 43: 804–816.
- Miyan, M.A. 2015. Droughts in Asian Least Developed Countries: Vulnerability and sustainability. *Weather and Climate Extremes*, 7: 8–23.
- Mohammad, C dan Ahmad, R.O. 2009. The analysis of dryland sustainability. *Journal of Sustainable Agriculture*, 33:848–861
- Moussa-Machraoui, S.B., Errouissi, F., Ben-Hammouda, M., Nour, S. 2010. Comparative effects of conventional and no-tillage management on some soil properties under Mediterranean semi-arid conditions in northwestern Tunisia. *Soil & Tillage Research*, 106: 247–253.
- Mrabet, R., Moussadek, R., Fadlaoui, A., Ranst, E.V. 2012. Conservation agriculture in dry land areas of Morocco. *Field Crops Research*, 132: 84–94.



- Muhammad, H. 2012. Karakteristik Sosial Ekonomi Rumah Tangga dan Tingkat Ketahanan Pangan Rumah Tangga Petani di Kabupaten Barito Kuala. *Jurnal Agribisnis Perdesaan*, 02(04): 320 – 331.
- Mulyani, A., Hikmatullah, dan Subagyo, H. 2004. *Karakteristik dan potensi tanah masam lahan kering di Indonesia*. Prosiding Simposium Nasional Pendayagunaan Tanah Masam. Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor.
- Mulyani, A., Dedi, N., dan Irsal, L. 2014. Acceleration of agricultural development in dryland with dry climate in Nusa Tenggara. *Pengembangan Inovasi Pertanian*, 7(4): 187-198.
- Munasinghe, M. 1993. *Environmental economics and sustainable development*. World Bank Environment Paper Number 3. The International Bank for Reconstruction and Development/The World Bank. Washington DC. U.S.A.
- Munasinghe, M. 2004. *Sustainomics : A trans-disciplinary framework for making development more sustainable*. Munasinghe Institute for Development. Colombo Srilanka. <http://www.ecoeco.org/pdf/sustainomics.pdf>
- Murendo, C., Keil, A., & Zeller, M. 2011. Drought Impacts and Related Risk Management by Smallholder Farmers in Developing Countries: Evidence from Awash River Basin, Ethiopia. *Risk Management*, 13(4): 247–263.
- Mutekwa, V.T. 2009. Climate change impacts and adaptation in the agricultural sector: The case of smallholder farmers in Zimbabwe. *Journal of Sustainable Development in Africa*, 11 (2): 237–256.
- Mutoko, M.C., Hein, L., Shisanya, C.A. 2014. Farm diversity, resource use efficiency and sustainable land management in the western highlands of Kenya. *Journal of Rural Studies*, 36: 108–120.
- Nainggolan, K. 2005. Peningkatan ketahanan pangan masyarakat dalam rangka revitalisasi pertanian, perikanan, dan kehutanan. *Majalah Pangan*, XIV(45) : 3-14
- Najikama, C. 1989. *Subjective Equilibrium Theory Of The Farm Household*. Elsevier Science Publisher. Amsterdam.
- Nasir, M. 1988. *Metode penelitian*. Ghalia Indonesia. Jakarta.
- Nasrul, W. 2012. Pengembangan kelembagaan pertanian untuk peningkatan kapasitas petani terhadap pembangunan pertanian. *Manara Ilmu*, III(29) : 166-174.
- Nazam, M., Sabiham, Pramudya, Widiatmaka, & Rusastra. 2011. Penetapan luas optimum usahatani padi sawah mendukung kemandirian pangan berkelanjutan di Nusa Tenggara Barat. *Jurnal Agro Ekonomi*, 29(2): 113-145.
- Neill, S.P., Lee, D.R. 2001. Explaining the adoption and disadoption of sustainable agriculture: The case of cover crops in Northern Honduras. *Economic Development and Cultural Change*, 793–820.
- Njurumana, G.N.D., Mariana, T., Pamungkas, T.Y. 2003. *Kajian penerapan sistem kaliwu dalam pengelolaan tata air di Sumba Barat*. Buletin Penelitian Hutan 642. Pusat Penelitian dan Pengembangan Hutan dan Konservasi Alam. Bogor.
- Notoatmodjo, S. 2003. *Ilmu kesehatan masyarakat*. Rineka Cipta. Jakarta.
- Nurhemi, Soekro R.I.S, Suryani, R.G. 2014. Working Paper : Pemetaan ketahanan pangan Di Indonesia: Pendekatan Tfp Dan Indeks Ketahanan Pangan. WP/ 4 /2014. Bank Indonesia.
- Nursalam. 2010. Implementasi kebijakan peningkatan produksi tanaman pangan lokal dan ketahanan pangan di Provinsi Nusa Tenggara Timur (NTT). *Jurnal Administrasi Publik*, 1 (1).
- Nuryanti, S. 2005. Pemberdayaan petani dengan model cooperative farming. *Analisis Kebijakan Pertanian*, 3(2) : 152-158.

- Nuryanti, S dan Swastika, D.K.S. 2011. Peran kelompok tani dalam penerapan teknologi pertanian. *Forum Penelitian Agro Ekonomi*, 29(2) : 115 – 128.
- Nzila, C., Dewulf, J., Spanjers, H., Tuigong, D., Kiriamiti, H., Langenhove, H. 2012. Multi criteria sustainability assessment of biogas production in Kenya. *Applied Energy*, 93: 496-506.
- Oblinger, D. and Oblinger, J., Eds. 2005. *Educating the net gen*. Educause. Washington D.C, USA.
- Okonya, J.S., Syndikus, K., Kroschel, J. 2013. Farmers' perception of and coping strategies to climate change: Evidence from six agro-ecological zones of Uganda. *Journal of Agricultural Science*, 5(8): 252-263.
- Oni, S.A., Maliwichi, L.L., and Obadire, O.S. 2011. Assessing the contribution of smallholder irrigation to household food security, in comparison to dryland farming in Vhembe district of Limpopo province, South Africa. *African Journal of Agricultural Research*, 6(10): 2188-2197.
- Ozturk, I. 2017. The dynamic relationship between agricultural sustainability and food-energy-water poverty in a panel of selected Sub-Saharan African Countries. *Energy Policy*, 107: 289-299.
- Pakpahan, A., Saliem, H.P., Suhartini, S.H., Syafa'at, N. 1993. *Penelitian tentang ketahanan pangan masyarakat berpendapatan rendah*. Monograph Series No. 14. Pusat Penelitian Sosial Ekonomi Pertanian, Bogor.
- Pangeran, P. 2012. Sikap keuangan rumah tangga desa pada aspek perencanaan keuangan. *JRAK*. 8(1) : 35-50.
- Panichelli, L., A. Dauriat, Gnansounou, E. 2009. Life cycle assessment of soybean-based biodiesel in Argentina for export. *International Journal of Life Cycle Assessment*, 14(2): 144-159.
- Parikh, A., Farman, A., Shah, M.K. 1995. Measurement of economic efficiency in pakistani agriculture. *American Journal of Agricultural Economics*, 77: 675-885.
- Park, S.Y., Suzanne, P.M., Lynne, R.W., Jennifer, F.Y., Sangita, S., Jean, H.H. 2005. Dietary patterns using the food guide pyramid groups are associated with sociodemographic and lifestyle factors: the multiethnic cohort study. *Journal of Nutrition*, 135 : 843–849.
- Patil, S., Reidsma, P, Shah, P., Purushothaman, S., Wolf, J. 2014. Comparing conventional and organic agriculture in Karnataka, India : Where and when can organic farming be sustainable?. *Land Use Policy*, 37: 40-51.
- Pelawi, W.D.P., Rosnita, Yulida, R. 2016. Nalisis kelembagaan penyuluhan pertanian di Kabupaten Kampar. *Jurnal Ilmiah Pertanian*, 13(1) : 1-14.
- Peters C.J., Bills, N.L., Wilkins, J.L., Fick, G.W. 2008. Foodshed analysis and its relevance to sustainability. *Renewable Agriculture and Food Systems*, 24(1): 1–7.
- Pikul. 2015. *Kebijakan Pemda, Undang-Undang Desa dan Kedaulatan Pangan di Nusa Tenggara Timur*.
- Pitcher, T.J., and Preikshot, D. 2001. RAPFISH: a rapid appraisal technique to evaluate the sustainability status of fisheries. *Fisheries Research*, 49 : 255-270.
- Pitcher, T.J., Lam, M.E., Ainsworth, C., Martindale, A., Nakamura, K., Perry, R.I., Ward. T. 2013. Improvements to rapfish: A rapid evaluation technique for fisheries integrating ecological and human dimensions. *Journal of Fish Biology*, 83(4): 865–889.
- Pollock, C., Pretty, J., Crute, I., Leaver, C., dan Dalton, H. 2008. Introduction sustainable agriculture. *Philos Trans R Soc B*, 363: 445-446.
- Powell, J.M., Pearson, R.A., Hiernaux, P.H. 2004. Review And Interpretation Crop –livestock interactions in the West African Drylands. *Agronomy Journal*, (March–April): 469–493.
- Prawoto, M. 2012. Model pengembangan dan pemberdayaan masyarakat berbasis kemandirian untuk mewujudkan ketahanan ekonomi dan ketahanan pangan (Strategi pemberdayaan ekonomi pada masyarakat Dieng di Propinsi Jawa Tengah). *Jurnal Organisasi dan Manajemen*, 8(2): 135-154.



- Pretty, J.N., Morison, J.I.L., Hine, R.E. 2003. Reducing food poverty by increasing agricultural sustainability in developing countries. *Agriculture, Ecosystems and Environment*, 95: 217–234.
- Pretty, J.N. 2008. Agricultural sustainability : concepts, principle and evidence. *Phil. Trans. R. Soc. B*, 363: 447–465
- Priyanti, A., Sinaga, B.M., Syaikat, Y., Dan Kuntjoro, S.U. 2007. Model ekonomi rumah tangga petani pada sistem integrasi tanaman-ternak: Konsepsi dan studi empiris. *Wartazoa*, 17(2): 61 – 70.
- Pulido, J. 2014. Local perception of land degradation in developing countries: a simplified analytical framework of driving forces, processes, indicators and coping strategies. *Living Rev. Landscape Res.*, 8: 4-21.
- Pusat Data dan Informasi. 2015. *Buku data dan informasi perkembangan daerah tertentu, daerah rawan pangan*. Badan Penelitian dan Pengembangan, Pendidikan dan Pelatihan, dan Informasi. Kementerian Desa, Pembangunan Daerah Terpencil dan Transmigrasi.
- Pusat Data dan Sistem Informasi Pertanian. 2017. *Statistik lahan pertanian tahun 2012-2016*. Sekretariat Jenderal – Kementerian Pertanian.
- Pusat Penelitian dan Pengembangan Tanah dan Agroklimat. 2004. *Tehnologi konservasi tanah pada lahan kering berlereng*. Badan Penelitian dan Pengembangan Pertanian. Bogor.
- Quansah, C., Drechsel, P., Yirenyi, B.B., & Asante-Mensah, S. 2001. Farmers' Perceptions and Management of Soil Organic Matter – A Case Study from West Africa. *Nutrient Cycling in Agroecosystems*, 61: 205–213.
- Qureshi, M.E., Hanjra, M., Ward, J. 2013. Impact of water scarcity in Australia on global food security in an era of climate change. *Food Policy*, 38: 136–145.
- Rachman, H. dan Ariani, M. 2002. Ketahanan Pangan: Konsep, pengukuran dan strategi. *Forum Agro Ekonomi*, XX(1): 12-24.
- Rachman, H.P.S., Ariani, M., Purwantini, T.B. 2005. Distribusi provinsi di Indonesia menurut derajat ketahanan pangan rumah tangga. Diakses pada tanggal 23 Juli 2019. [www://pse.litbang.pertanian.go.id/ind/pdf/monograph_26_2005_2.pdf](http://pse.litbang.pertanian.go.id/ind/pdf/monograph_26_2005_2.pdf)
- Rachman, H.P.S. 2010. Aksesibilitas Pangan: Faktor Kunci Pencapaian Ketahanan Pangan di Indonesia. *Pangan*, 19(1): 147-156.
- Ramakrishna, R and Tata Rao, R. 2008. Strengthening Indian agriculture through dryland farming: need for reforms. *Indian Journal Of Agricultural Economics*, 63(3): 461 – 476.
- Rasul, G., and Thapa, G.B. 2004. Sustainability of ecological and conventional agricultural systems in Bangladesh: an assessment based on environmental, economic and social perspectives. *Agricultural Systems*, 79 (3): 327–351.
- Rathore, J.S. 2004. Drought and household coping strategies : A case of Rajasthan. *Indian Journal of Agricultural Economics*, 59(4): 689-708.
- Reijntjes, Z.C., Havekort, B., Water, B.A. 1992. *Farming for future. an introduction to low external input and sustainable agriculture*. The MacMillan Press. London, UK.
- Richard, T., Naomi, S., Thomas, S. 2014. *Drylands sustaining livelihoods and conserving ecosystem services*. Institute for Water, Environment and Health (UNU-INWEH). United Nations University. Canada.
- Richardson, R.B. 2010. Ecosystem services and food security: Economic perspectives on environmental sustainability. *Sustainability*, 2: 3520-3548.
- Rifqi, M. 2017. *Ladang berpindah dan model pengembangan pangan di Indonesia (Studi kasus daerah dengan ladang berpindah dan pertanian modern)*. Seminar Nasional Inovasi dan Aplikasi Tehnologi di Industri. 4 Pebruari ITN Malang.
- Rigby, D., Woodhouse, P., Young, T., Burton, M. 2001. Constructing a farm level indicator of sustainable agricultural practice. *Ecological Economics*, 39 : 463–478.
- Righi, E., Dogliotti, S., Stefanini, F.M., Pacini, G.C. 2011. Capturing farm diversity at regional level to up-scale farm level impact assessment of sustainable development options.

Agriculture, Ecosystem and Environment, 142: 63–74.

- Rinku Singh dan G. S. Singh. 2017. Traditional agriculture: a climate-smart approach for sustainable food production. *Energ. Ecol. Environ.*, 2(5) : 296–316.
- Riptanti, E.W. 2005. Karakteristik dan persoalan ekonomi masyarakat petani dan nelayan pada kawasan pantai di Torasia Kabupaten Pohuwatu. *Carakatani*, XX(2): 57 – 61.
- Riptanti, E.W., Masyhuri, Irham, Suryantini, A., Mujiyo. 2018. The development of leading food commodities based on local wisdom in food-insecure area in East Nusa Tenggara Province, Indonesia. *Applied Ecology and Environmental Research*, 16(6) : 7867-7882.
- Riptanti, E.W., Masyhuri, Irham, Suryantini, A., 2020. The ability of dryland farmer households in achieving food security in food-insecure area of East Nusa Tenggara, Indonesia. *AIMS Agriculture and Food*, 5(1): 30–45.
- Riptanti, E.W., Masyhuri, Irham, Suryantini, A., 2020. Dryland farming management in food-insecure areas in East Manggarai Regency. *Eurasia J Biosci*, 14: 5889-5897.
- Ritung, S., Nugroho, K., Mulyani, A., Suryani, E. 2011. *Petunjuk Teknis Evaluasi Lahan untuk Komoditas Pertanian (edisi Revisi)*. Bogor: Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Badan Penelitian dan Pengembangan Pertanian.
- Rockstrom, J., Barron, J., & Fox, P. 2002. Rainwater Management for Increased Productivity among Small-Holder Farmers in Drought Prone Environments. *Physics and Chemistry of the Earth*, 27: 949–959.
- Roidah, I.S. 2013. Manfaat penggunaan pupuk organik untuk kesuburan tanah. *Jurnal Bonorowo*, 1(1): 30-42.
- Roncoli C, Ingram K, Kirshen P. 2001. The costs and risks of coping with drought: Livelihood impacts and farmers' responses in Burkina Faso. *Climate Research*, 19: 119–132.
- Rosyadi, I dan Purnomo, D. 2012. Tingkat ketahanan pangan rumah tangga di desa tertinggal. *Jurnal Ekonomi Pembangunan*, 13(2): 303-315.
- Rosyadi, I dan Purnomo, D. 2012. Tingkat ketahanan pangan rumah tangga di desa tertinggal. *Jurnal Ekonomi Pembangunan*, 13(2): 303-315.
- Rozaita, S., Rosyani, R., & Sativa, F. 2018. Kearifan lokal dalam pengusahaan usahatani padi sawah di Desa Talang Kemulun Kecamatan Danau Kerinci Kabupaten Kerinci. *Jurnal Ilmiah Sosio-Ekonomika Bisnis*, 19(2), 1-6.
- Rozaq, D.A. 2019. Pengaruh moda transportasi terhadap perekonomian masyarakat secara spasial di Gunung Gambir, Kecamatan Sumberbaru, Kabupaten Jember. *Jurnal Geografi Gea*, 19(2) : 88 – 92.
- Rusastra, I.W. 2011. Reorientasi paradigma dan strategi pengentasan kemiskinan dalam mengatasi dampak krisis ekonomi global. *Pengembangan Inovasi Pertanian*, 4(2) : 87 – 102.
- Saad. 2006. Kontribusi pengembangan potensi pertanian daerah terhadap kesejahteraan masyarakat pedesaan. PT. Eresco, Bandung
- Sadono, D. 2008. Pemberdayaan petani: Paradigma baru penyuluhan pertanian di Indonesia. *Jurnal Penyuluhan*, 4(1): 65-74.
- SAFA. 2013. Sustainability assessment of food and agriculture systems (SAFA). Online Available at: <http://www.fao.org/nr/sustainability/sustainability-assessments-safa/en/>. (Accessed: 20 Agustus 2018).
- Safriel, U., and Adeel, Z. 2008. Development paths of drylands: thresholds and sustainability. *Sustain Sci.*, 3:117–123.
- Salim, F.D., and Darmawaty. 2016. Analysis of household food security of the fishers labors in the village of Bajo Sangkuang South Halmahera Regency. *J. Sosek KP.*, 11(1) : 121-132.
- Salvatore, D. 1996. *Managerial Economics in a Global Economy*. McGraw-Hill.
- Sanginga, N., Dashiell, K.E., Diels, J., Vanlauwe, B., Lyasse, O., Carsky, R.J., Tarawali, S., Asafo-Adjei, B., Menkir, A., Schulz, S., Singh, B.B., Chikoye, D., Keatige, D., Ortiz, R.

2003. Sustainable resource management couple to resilient germplasm to provide new intensive cereal-grain-legume-livestock systems in the dry savanna. *Agriculture, Ecosystem and Environment*, 100:305-314.
- Santosa, E and Sugiyama, N. 2016. *Amorphophallus* species in East Nusa Tenggara Islands, Indonesia. *Trop. Agr. Develop.*, 60(1): 53-57.
- Saputri, R., Lestari, L.A., Susilo, J. 2016. Pola konsumsi pangan dan tingkat ketahanan pangan rumah tangga di Kabupaten Kampar Provinsi Riau. *Jurnal Gizi Klinik Indonesia*. 12(3) : 123-130.
- Saragih, B. 2000. *Agribisnis Berbasis Peternakan*. USESE Foundation dan Pusat Studi Pembangunan. IPB. Bogor. Indonesia.
- Saragih, B. 2001. *Kumpulan pemikiran. agribisnis; paradigma baru pembangunan ekonomi berbasis pertanian*. Bogor 2001.
- Sawit, M.H. dan Ariani, M. 1997. *Konsep dan kebijaksanaan ketahanan pangan*. Makalah Pembanding pada Pra-WKNPG VI, di Bulog, Jakarta, 26-27 Juni.
- Sayogyo. 1977. Golongan miskin dan partisipasi dalam pembangunan (Poor household and their participation in development). *Prisma*, VI(3):10-17.
- Schleyer, C., Theesfeld, I., Hagedorn, K., Callois, J.M., Aznar, O. 2007. Approach towards an operational tool to apply institutional analysis for the assessment of policy feasibility within SEAMLESS-IF. SEAMLESS Report No. 29, SEAMLESS integrated project, EU 6th Framework Programme, contract no. 010036-2. <<http://www.SEAMLESS-IP.org>>.
- SEARCA. 1995. *Working Paper on sustainable agriculture indicators*. SEAMEO Regional Center for Graduate Study and Research in Agriculture (SEARCA). College, Laguna 4031, Philippines.
- Septian, D dan Anugrah, G.C. 2014. Perlindungan petani melalui konsep asuransi pertanian pada gabungan kelompok tani Desa Argorejo, Kabupaten Bantul. *Jurnal Penelitian Hukum*, 1(2): 92-108.
- Severin, J. W dan Tankard, J.W. 2001. *Communication theory: Origin, methods, and uses in the mass media*. Eddison Wesley Lngman, Inc.
- Shewmake, S. 2008. *Vulnerability and the impact of climate change in South Africa's limpopo river basin*. International Food Policy Research Institute Discussion. Paper No 804. Washington, DC.
- Shiferaw , B., Okello, J., Reddy, R.V. 2007. Adoption and adaptation of natural resource management innovations in smallholder agriculture: reflections on key lessons and best practices. *Environ Dev Sustain*, 11: 601–619.
- Shiferaw, B., Hellin, J., Muricho, G. 2011. Improving market access and agricultural productivity growth in Africa: what role for producer organizations and collective action institutions?. *Food Security*, 3: 475–489.
- Shiferaw, B., Tesfaye, K., Kassie, M., Abate, T., Prasanna, B.M., Menkir, A. 2014. Managing vulnerability to drought and enhancing livelihood resilience in sub-Saharan Africa: Technological, institutional and policy options. *Weather and Climate Extremes*, 3: 67–79.
- Sikdar, S.K. 2012. Measuring sustainability. *Clean Technology and Environmental Policy*, 14: 153–154.
- Simatupang, P. 2007. A Critical review on paradigm and framework of national food security policy. *Forum Penelitian Agro Ekonomi*, 25 (1) : 1 – 18.
- Singh, H.P. 1998. Sustainable development of the Indian desert: the relevance of the farming systems approach. *Journal of Arid Environments*, 39: 279–284.
- Singh, H.P., Sharma, K.D., Reddy, G.S., Sharma, K.L. 2004. Dryland agriculture in India. *Challenges and Strategies for Dry land Agriculture*, 32: 67–92.
- Sipayung, S.B. 2005. Dampak variabilitas iklim terhadap produksi pangan di Sumatera. *Jurnal Sains Dirgantara*. 2(2) : 111-126.



- Smit, B., and Smithers J. 1993. Sustainable agriculture: interpretations, analyses and prospects. *Canadian Journal of Regional Science*, 3: 499–524.
- Sri, H.S., dan Mohammad, M. 2012. Luas lahan usahatani dan kesejahteraan petani : Eksistensi petani gurem dan urgensi kebijakan reforma agrarian. *Analisis Kebijakan Pertanian*, 10(1): 17-30.
- Srivastava, P., Singh, R., Tripathi, S., Raghubanshi, A.S. 2016. An urgent need for sustainable thinking in agriculture – An Indian scenario. *Ecological Indicators*, 67: 611–622.
- Soepardi, H.G. 2001. *Strategi usaha tani agribisnis berbasis sumber daya lahan*. Prosiding Nasional Pengelolaan Sumber Daya Lahan dan Pupuk Buku I. Pusat Penelitian dan Pengembangan Tanah dan Agroklimat, Bogor.
- Soetrisno, N. 1995. Ketahanan pangan dunia: konsep, pengukuran dan faktor dominan. *Pangan*, V(21) : 27-33.
- Solimun, Fernandes, A.A.R., Nurjanah. 2017. *Metode Statistika Multivariat Permodelan Persamaan Struktural (SEM) Pendekatan WarpPLS*. UB Press. Malang.
- Solimun, Armanu, Fernandes, A.A.R. 2018. *Metodologi penelitian kuantitatif perspektif sistem*. UB Press. Malang.
- Sopacua, Y. 2014. Kemiskinan dan Pemberdayaan Masyarakat (Program di NTT, Indramayu dan Maluku). *Populis*, 8(1) : 83-93.
- Spangenberg, J.H., Bonniot, O., 1998. Sustainability indicators – a compass on the road towards sustainability. Wuppertal Paper No. 81. Wuppertal Institute, Cologne/Berlin.
- Spangenberg, J.H. 2002. Environmental space and the prism of sustainability: frameworks for indicators measuring sustainable development. *Ecol. Ind.*, 2: 295–309.
- Steigberger, E. 2015. *Sustainable food systems: community supported agriculture a socialecological analysis)?* In Proceedings of the Second International Conference on Agriculture in an Urbanizing Society Reconnecting Agriculture and Food Chains to Societal Needs, Rome, Italy, 14–17 September.
- Stoeglehner, G dan Narodoslawsky, M. 2009. How sustainable are biofuels? answers and further questions arising from an ecological footprint perspective. *Bioresource Technology*, 100(16): 3825-3830.
- Streiner DL dan Norman GR. 2000. *Health measurement scale : A practical guide to their development and use*. Oxford : Oxford University Press.
- Subagyo. 2007. *Konservasi air untuk adaptasi pertanian terhadap perubahan iklim*. Bunga Rampai Konservasi Tanah dan Air. Pengurus Pusat MKTI. Jakarta.
- Sudarmo, S. 2005. *Pestisida Nabati*. Kanisius. Yogyakarta.
- Sudaryanto, T dan Rusastra, I.W. 2006. Kebijakan strategis usaha pertanian dalam rangka peningkatan produksi dan pengentasan kemiskinan. *Jurnal Litbang Pertanian*, 25(4) : 115-122.
- Sugino, T dan Hutagaol, P. 2004. Policy framework for poverty reduction by realizing sustainable diversified agriculture through the development of secondary crops. *Palawija News*. The UNESCAP-CAPTA Newsletter. Bogor: UNESCAP-CAPTA Publication Section (21, 3 Sept 2004):1-6.
- Suhardianto, A., Baliwati, Y.F., Sukandar, D. 2007. Ketahanan pangan rumah tangga petani penghasil beras organik. *Jurnal Gizi dan Pangan*, 2(3): 1 - 12
- Suharyanto. 2015. Karakteristik tingkat ketahanan pangan rumah tangga petani berbasis agroekosistem lahan sawah irigasi di Propinsi Bali. *SEPA*, 11(3) : 191 – 199.
- Suhermanto, H. 2014. Pengelolaan Limbah/Residu Pertanian untuk Energi : Potensi Peran Koperasi. *Edisi 02 Tahun XX* : 10-29.
- Sullivan, P. 2003. *Applying the principles of sustainable farming*. National Center for Appropriate Technology. <http://www.attra.ncat.org/attra-pub/PDF/Transition.pdf>.
- Surmaini, E dan Syahbuddin, H. 2016. Kriteria awal musim tanam: Tinjauan prediksi waktu tanam padi di Indonesia. *J. Litbang Pert.*,35(2): 47-56.



- Suparmin, Handoko, B dan Ahmad, A. 2015. Analisis faktor determinan ketahanan pangan rumah tangga petani lahan kering di Kecamatan Gerung. *Agrimansion*, 16(3):198-210.
- Supriadi. 2013. Optimal Use of Various Kinds of Pesticides to Control Plant Pests and Diseases. *J. Litbang Pert.*, 32(1) : 1-9.
- Suprihatin, G., Syarief, H., Hartoyo, Puspitawati, H. 1993. *Pengembangan sumberdaya keluarga*. PT BPK Gunung Mulia. Jakarta.
- Suratiyah, K. 2006. *Ilmu Usahatani*. Penebar Swadaya. Jakarta.
- Suryana, A. 2007. *Menelisik upaya menggapai ketahanan pangan nasional*. Badan Penelitian dan Pengembangan Pertanian. Kementerian Pertanian. Jakarta.
- Suryantini, H. 2004. Pemanfaatan informasi teknologi pertanian oleh penyuluh pertanian: Kasus di Kabupaten Bogor, Jawa Barat. *Jurnal Perpustakaan Pertanian*, 13(1): 17-23.
- Susanto, D. 1997. *Dinamika Perilaku Kebiasaan Makan*. Makalah Pra Widyakarya Nasional Pangan dan Gizi VI. Konsumsi dan Kebiasaan Makanan. Pusat Penelitian Sosial Ekonomi Pertanian dan Biro Perencanaan Departemen Pertanian. Jakarta. 4 Nopember
- Susilo, E. 2013. Peran koperasi agribisnis dalam ketahanan pangan di Indonesia. *Jurnal Dinamika Ekonomi & Bisnis*, 10(1) : 95-103.
- Susilowati, S.H., Maulana, H. 2012. Luas lahan usahatani dan kesejahteraan petani : Eksistensi petani gurem dan urgensi kebijakan reforma agrarian. *Analisis Kebijakan Pertanian*. 10(1) : 17-30.
- Susilowati, S.H. 2016. Kebijakan insentif untuk petani muda: Pembelajaran dari berbagai negara dan implikasinya bagi kebijakan di Indonesia. *Forum Penelitian Agro Ekonomi*, 34(2): 103-123.
- Suyastiri, N.M.Y.P. 2008. Diversifikasi konsumsi pangan pokok berbasis potensi lokal dalam mewujudkan ketahanan pangan rumah tangga pedesaan di Kecamatan Semin Kabupaten Gunung Kidul. *Jurnal Ekonomi Pembangunan*, 13(1): 51-60.
- Suwarno, J. 2011. *Pengembangan kebijakan pengelolaan berkelanjutan DAS Ciliwung Hulu Kabupaten, Bogor*. (Disertasi). Program Studi Pengelolaan Sumberdaya Alam dan Lingkungan. Sekolah Pasca Sarjana Institut Pertanian Bogor. Bogor.
- Suwarto dan Anantanyu, S. 2012. Model partisipasi petani lahan kering dalam konservasi lahan. *Jurnal Ekonomi Pembangunan*, 13(2) : 218-234.
- Sydoorovych, O., Wossink, A. 2008. The meaning of agricultural sustainability: Evidence from a conjoint choice survey. *Agricultural Systems*, 98 : 10–20.
- Swastika, D.K.S., Wargiono, J., Soejitno, Hasanuddin, A. 2007. Analisis kebijakan peningkatan produksi padi melalui efisiensi pemanfaatan lahan sawah di Indonesia. *Analisis Kebijakan Pertanian*. 5(1): 36-52.
- Tedjaningsih, T., Suyudi, Nuryaman, H. 2018. Peran kelembagaan dalam pengembangan agribisnis mendong. *Mimbar Agribisnis*, 4(2): 210-226.
- Thamaga-Chitja, J.M., Hendriks, S.L., Ortmann, G.F., Green, M. 2004. Impact of maize storage on rural household food security in Northern Kwazulu-Natal. *Journal of Family Ecology and Consumer Sciences*, 32: 8–15.
- Thomas, R.J., Pauw, E., Qadir, M., Amri, A., Pala, M., Yahyaoui, A., El-Bouhssini, M., Baum, M., Iñiguez, L., and Shideed, K. 2007. Increasing the Resilience of Dryland Agro-ecosystems to Climate Change. *SAT eJournal*, 4(1): 1-37.
- Thomas, R.J. 2008. Opportunities to reduce the vulnerability of dryland farmers in Central and West Asia and North Africa to climate change. *Agriculture, Ecosystems and Environment*, 125: 36–45.
- Thrupp, L. A., Hecht, S. B., Browder, J. O.. 1997. *The diversity and dynamics of shifting cultivation: myths, realities, and policy implication*. World Resources Institute. New York.
- Tinaprilla, N., Kusnadi, N., Sanim, B dan Hakim, D.B. 2013. Analisis efisiensi teknis usahatani padi di Jawa Barat Indonesia. *Jurnal Agribisnis*, 7(1) : 15 – 34.
- Tjoe, Y. 2016. Measuring the livelihood vulnerability index of a dry region in Indonesia A case

- study of three subsistence communities in West Timor. *World Journal of Science, Technology and Sustainable Development*, 13(4) : 250-274.
- Torres, A.B. de and W.A. Shah. 1995. Household farming system for sustainable agriculture in Bangladesh. *Farm Management Notes for Asia and The Far East*, 20: 31-45.
- Trigestianto, M., Nur, S., dan Sugiarto, M. 2013. Analisis tingkat kesejahteraan peternak sapi potong di Kabupaten purbalingga. *Jurnal Ilmiah Peternakan I* (3): 1158 -1164.
- Turner, NC. 2004. Agronomic Options for Improving Rainfall-Use Efficiency of Crops in Dryland Farming Systems. *Journal of Experimental Botany*, 55(407): 2413–2425.
- Uaiene, R.N., Arndt, C., & Masters, W.A. 2009. *Determinants of agricultural technology adoption in Mozambique*. Discussion papers No. 67E. National Directorate of Studies and Policy Analysis. Ministry of Planning and Development. Republic of Mozambique.
- United Nations. 1997. *Earth Summit Agenda 21*. The United Nations Programme of Action from Rio : 297.
- USAID. 2014. *Environmentally sound design (ESD) sector environmental guidelines small-scale dryland agriculture*. Dryland Agriculture. International Development USAID.
- Unger , P.W., Stewart, B.A., Parr, J.F., & Singh, R.P. (1991). Crop Residue Management and Tillage Methods for Conserving Soil and Water in Semi-Arid Regions. *Soil & Tillage Research*, 20: 219–240.
- Uriel, S dan Zafar, A. 2008. Development paths of drylands: thresholds and sustainability. *Sustain Sci.*, 3:117–123.
- Van der Werf, H.M., and Petit, J. 2002. Evaluation of the environmental impact of agriculture at the farm level: a comparison and analysis of 12 indicator-based methods. *Agriculture, Ecosystems & Environment*, 93(1–3): 131–145.
- Van Cauwenbergh, N., Biala, K., Biolders, C., Brouckaert, V., Franchois, L., Garcia, V., Ciudad, Hermy, M., Mathijs, E., Muys, B., Reijnders, J., Sauvenier, X., Valckx, J., Vanclooster, M., Van der Veken, B., Wauters, E., Peeters, A. 2007. SAFE—A hierarchical framework for assessing the sustainability of agricultural systems. *Agriculture, Ecosystems and Environment*, 120 : 229–242.
- Van Passel, S., Nevens, F., Mathijs, E., Van Huylenbroeck, G. 2007. Measuring farm sustainability and explaining differences in sustainable efficiency. *Ecol.Econ.*, 62 : 149–161.
- Varcoe, V. J. 1990. A note on the computer simulation of crop growth in agricultural land evaluation. *Soil Use and Management*, 6 : 157-160.
- Virianita, R., Soedewo, T., Amanah, S., Fatchiya, A. 2019. Persepsi Petani terhadap Dukungan Pemerintah dalam Penerapan Sistem Pertanian Berkelanjutan. *Jurnal Ilmu Pertanian Indonesia (JIPI)*, 24(2): 168–177.
- Vittal, K.P.R, Singh, H.P., Prasad, J.V.N.S., Rao, K.V., Victor, U.S., Maruthi , S. G.R., Ravindra, C.G., Singh, G., Samra, J.S. 2003. *Bio-diverse farming system models for dryland agriculture*. Central Research Institute for Dryland Agriculture. Hyderabad (India)
- Wahlqvist, M.L. 2009. Connected community and household food-based strategy (CCH-FBS): Its importance for health, food safety, sustainability and security in diverse localities. *Ecology of Food and Nutrition*, 48: 457–481.
- Wahyu, I., Pranoto, H., Supriyanto, B. 2018. Kajian produktivitas tanaman semusim pada sistem agroforestri di Kecamatan Samboja Kabupaten Kutai Kartanegara. *Jurnal Agroekoteknologi Tropika Lembab*, 1(1): 24-33.
- Wahyudi. 2014. Teknik Konservasi Tanah serta Implementasinya pada Lahan Terdegradasi dalam Kawasan Hutan. *Jurnal Sains dan Teknologi Lingkungan*, 6 (2) : 71-85
- Wahyuningsih, T. 2011. Sistem bagi hasil maro sebagai upaya mewujudkan solidaritas masyarakat. *Komunitas*, 3 (2) : 197-204
- Wahyunto, Hilmatullah, Suryani, E., Tafakresnanto, C., Ritung, S., Mulyani, A., Nursyamsi. 2016. *Petunjuk Teknis Pedoman Penilaian Kesesuaian Lahan untuk Komoditas*

- Pertanian Strategis Tingkat Semi Detail Skala 1 : 50 . 000*. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Badan Penelitian dan Pengembangan Pertanian. Bogor.
- Wasdiyanta. 2018. Besarnya kontribusi tenaga kerja dalam keluarga terhadap pendapatan usahatani padi (*oryza sativa l*) sawah tadah hujan di Desa Pasar Kamis Kecamatan Kertak Hanyar Kabupaten Banjar Provinsi Kalimantan Selatan. *ZIRAA'AH*, 43(1) : 32-39.
- Watson, C.A., Atkinson, D., Gosling, P., Jackson, L.R., Rayns, F.W. 2001. Managing soil fertility in organic farming system. UK. <http://orgprints.org/8060>.
- Weaver, P.M., Rotmans, J., 2006. Integrated sustainability assessment: what is it, why do it, and how? *Int. J. Innov. Sust. Develop.*, 1 : 284-303.
- Whitbread, A.M., Robertson, M.J., Carberry, P.S., Dimes, J.P. 2010. How farming systems simulation can aid the development of more sustainable smallholder farming system in southern Africa. *European Journal of Agronomy*, 32: 51-58.
- Widayani, R., dan Rachman, N. A. 2013. Studi tentang kemunculan modal sosial. *Jurnal Kebijakan & Administrasi Publik*, 17(2) : 65- 75.
- Widiatmaka, Munibah, K, Sitorus, S.R.P. 2015. Appraisal keberlanjutan multidimensi penggunaan lahan untuk sawah di Karawang - Jawa Barat. *Kawistara*, 5(2): 99-220.
- Widodo, S. 1998. Farming system approach for sustainable agriculture. *Agro Ekonomi*, V (1): 1-6.
- Williams, D. L. 2000. Students' knowledge of and expected impact of sustainable agriculture. *Journal of Agricultural Education*, 41(2): 19-24.
- Winardi, Y. 2005. *Ilmu Ekonomi*. Yogyakarta: Penerbit Gajah Mada University Press.
- Winarso, B. 2012. Dinamika pola penguasaan lahan sawah di wilayah pedesaan di Indonesia. *Jurnal Penelitian Pertanian Terapan*, 12 (3): 137-149.
- Wu, W., Shibasaki, R., Yang, P., Tang, H., Sugimoto, K. 2010. Modeling changes in paddy rice sown areas in Asia. *Sustainable Science*, 5: 29-38.
- Yasar, M., Siwar, C., Firdaus, R.B.R. 2015. Assessing paddy farming sustainability in the Northern Terengganu integrated agricultural development area (IADA KETARA) : A structural equation modeling approach. *Pacific Science Review B: Humanities and Social Sciences*, 1 : 71-75.
- Yohe, G., and Tol, R.S.J. 2002. Indicators for social and economic coping capacity: moving toward a working definition of adaptive capacity. *Glob Environ Chang.*, 12(1): 25-40.
- Young, A. 1997. *Agroforestry for soil conservation*. CAB International. International Council for Research in Agroforestry
- Yulia, P. 2007. *Model pengelolaan lahan kering berkelanjutan pada sistem agribisnis tanaman pangan*. Disertasi. Sekolah Pascasarjana. Institut Pertanian Bogor. Bogor.
- Yuningsih, R. 2010. Perlindungan konsumen dari dampak buruk makanan tidak halal bagi kesehatan. *Aspirasi*, 1(2): 172-202.
- Yusdja, Y., Ariani,M., Basuno, E., Purwantini, T.B. 2004. Analisis Peluang Peningkatan Kesempatan Kerja dan Pendapatan Petani Melalui Pengelolaan Usahatani Bersama. *Jurnal Agro Ekonomi*, 22(1) : 1 – 25.
- Yusdja, Y dan Ilham, N. 2006. Arah kebijakan pembangunan peternakan rakyat. *Analisis Kebijakan Pertanian*, 4(1) : 18-38.
- Yustina, S. 2014. Kemiskinan dan pemberdayaan masyarakat (program di NTT, Bengkulu, Indramayu dan Maluku). *Jurnal Populis*, 8(1)
- Zainal, M dan Fahrurrozi. 2005. *Pendekatan agribisnis dalam optimalisasi pemanfaatan lahan kering di Propinsi Bengkulu*. Prosiding Seminar Nasional Inovasi Teknologi Pertanian Mendukung Pembangunan Pertanian Lahan Kering. Bengkulu 11-12 Nopember 2005.
- Zakaria, A.K dan Nurasa,T. 2013. Strategi penggalangan petani untuk mendukung program peningkatan produksi padi berkelanjutan. *Analisis Kebijakan Pertanian*. 11(2) : 75-87.



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- Zemedu, L., & Mesfin, W. 2014. Smallholders' vulnerability to food insecurity and coping strategies: In the face of climate change, East Hararghe, Ethiopia. *Journal of Economics and Sustainable Development*, 5(24): 86–100.
- Zhou, J., Erdal, Z.K., McCreanor, P.T., Montalto, F. 2010. Sustainability. *Water Environment Research*, 82 (10): 1376- 13