

REFERENSI

- Abdalla, I. F. (2012). *Socioeconomic Aspects of Urban and Peri-urban Agriculture: A Diagnostic Study in Khartoum, Sudan* [kassel university press]. <http://nbn-resolving.de/urn:nbn:de:0002-32698>
- Abdullah, Boceng, A., Latif, J., & Takwina, E. (2017). Analisis keberlanjutan pengembangan “Lorong Garden” (pertanian lorong) sebagai upaya optimalisasi pemanfaatan ruang terbuka perkotaan di Kota Makassar. *Seminar Ilmiah Nasional Teknik Sipil*, 55–66.
- Abdullah, Zhou, D., Shah, T., Ali, S., Ahmad, W., Din, I. U., & Ilyas, A. (2019). Factors affecting household food security in rural northern hinterland of Pakistan. *Journal of the Saudi Society of Agricultural Sciences*, 18(2), 201–210. <https://doi.org/10.1016/j.jssas.2017.05.003>
- Abebe, G., & Debebe, S. (2019). Factors affecting use of organic fertilizer among smallholder farmers in Sekela district of Amhara region, Northwestern Ethiopia. *Cogent Food & Agriculture*, 5(1), 1669398. <https://doi.org/10.1080/23311932.2019.1669398>
- Abokyi, E., Strijker, D., Asiedu, K. F., & Daams, M. N. (2020). The impact of output price support on smallholder farmers' income: evidence from maize farmers in Ghana. *Heliyon*, 6(9), e05013. <https://doi.org/10.1016/j.heliyon.2020.e05013>
- Abuiyada, R. (2018). Traditional Development Theories have failed to Address the Needs of the majority of People at Grassroots Levels with Reference to GAD. *International Journal of Business and Social Science*, 9(9), 115–119. <https://ijbssnet.com/journals>
- Adidja, M. W., Mwine, J., Majaliwa, J. G. M., & Ssekandi, J. (2019). The Contribution of Agro-ecology as a Solution to Hunger in the World: A Review. *Asian Journal of Agricultural Extension, Economics & Sociology*, 33(2), 1–22. <https://doi.org/10.9734/ajaees/2019/v33i230170>
- Afrizal, E. Irwan, Fatimah, I. S., & Sulistyantara, B. (2010). Studi potensi produksi oksigen hutan kota di Kampus Universitas Indonesia, Depok. *Jurnal Lanskap Indonesia*, 2(1), 23–29. <https://doi.org/10.29244/jli.2010.2.1.%25p>
- Ainembabazi, J. H., & Mugisha, J. (2014). The Role of Farming Experience on the Adoption of Agricultural Technologies: Evidence from Smallholder Farmers in Uganda. *The Journal of Development Studies*, 50(5), 666–679. <https://doi.org/10.1080/00220388.2013.874556>
- Akay, E. C., & Astar, M. (2012). A microeconometric analysis of household

- consumption expenditure determinants for both rural and urban areas in Turkey. *American International Journal of Contemporary Research*, 2(2), 27–34. <https://www.researchgate.net/publication>
- Akter, S., Rutsaert, P., Luis, J., Htwe, N. M., San, S. S., Raharjo, B., & Pustika, A. (2017). Women's empowerment and gender equity in agriculture: A different perspective from Southeast Asia. *Food Policy*, 69, 270–279. <https://doi.org/10.1016/j.foodpol.2017.05.003>
- Al-Azmeh, A. (2015). Civilization, Concept and History of. In *International Encyclopedia of the Social & Behavioral Sciences: Second Edition* (Second Edi, Vol. 3). Elsevier. <https://doi.org/10.1016/B978-0-08-097086-8.62080-9>
- Alapala Demirhan, S. (2019). Sheep farming business in Uşak city of Turkey: Economic structure, problems and solutions. *Saudi Journal of Biological Sciences*, 26(2), 352–356. <https://doi.org/10.1016/j.sjbs.2018.10.004>
- Ali, M. F., Situmorang, S., & Murniati, K. (2017). Analisis Efisiensi Pemasaran Kubis di Kecamatan Gisting Kabupaten Tanggamus. 5(3), 258–266. <https://dx.doi.org/10.23960/jiia.v5i3.%25p>
- Ampaw, S., Nketiah-Amponsah, E., & Senadza, B. (2017). Urban Farm-Nonfarm Diversification, Household Income and Food Expenditure in Ghana. *Studies in Business and Economics*, 12(2), 6–19. <https://doi.org/10.1515/sbe-2017-0017>
- Anantanyu, S. (2011). Kelembagaan Petani: Peran dan Strategi Pengembangan Kapasitasnya. *Sepa*, 7(2), 102–109. <https://agribisnis.fp.uns.ac.id/wp-content>
- Andriamasari, H., Mugnisjah, W. Q., & Munandar, A. (2015). Potensi dan strategi pengembangan pertanian periurban di Kabupaten Bogor. *Jurnal Ilmu Tanah Dan Lingkungan*, 17(2), 69. <https://doi.org/10.29244/jitl.17.2.69-74>
- Andrianyta, H., & Mardiharini, M. (2015). Sosial Ekonomi Pekarangan Berbasis Kawasan Di Perdesaan dan Perkotaan Tiga Provinsi Di Indonesia. *Jurnal Pengkajian Dan Pengembangan Teknologi Pertanian*, 18(3), 225–235. <https://dx.doi.org/10.21082/jpptp.v18n3.2015.p%p>
- Aprildahani, B. R., Hasyim, A. W., & Rachmawati, T. A. (2018). Motivasi Petani Mempertahankan Lahan Pertanian di Wilayah Pinggiran Kota Malang (Studi Kasus Kawasan Perkotaan Karangploso Kabupaten Malang). *Journal of Regional and Rural Development Planning*, 1(3), 258. <https://doi.org/10.29244/jp2wd.2017.1.3.258-269>
- Arifin, H. S., Munandar, A., Schultink, G., & Kaswanto, R. L. (2012). The

- Role and Impacts of Smallscale, Homestead Agro-forestry Systems (“Pekarangan”) on Household Prosperity: an Analysis of Agro-Ecological Zones of Jawa, Indonesia. *International Journal of AgriScience*, 2(10), 896–914.
- Artiola, J. F., Reynolds, K. A., & Brusseau, M. L. (2019). Urban and Household Pollution. In M. L. Brusseau, I. L. Pepper, & C. P. Gerba (Eds.), *Environmental and Pollution Science* (pp. 311–326). Elsevier. <https://doi.org/10.1016/B978-0-12-814719-1.00018-5>
- Aubry, C., Ramamonjisoa, J., Dabat, M.-H., Rakotoarisoa, J., Rakotondraibe, J., & Rabeharisoa, L. (2012). Urban agriculture and land use in cities: An approach with the multi-functionality and sustainability concepts in the case of Antananarivo (Madagascar). *Land Use Policy*, 29(2), 429–439. <https://doi.org/10.1016/j.landusepol.2011.08.009>
- Ayambire, R. A., Amponsah, O., Peprah, C., & Takyi, S. A. (2019). A review of practices for sustaining urban and peri-urban agriculture: Implications for land use planning in rapidly urbanising Ghanaian cities. *Land Use Policy*, 84, 260–277. <https://doi.org/10.1016/j.landusepol.2019.03.004>
- Azadi, H., Keramati, P., Taheri, F., Rafiaani, P., Teklemariam, D., Gebrehiwot, K., Hosseininia, G., Van Passel, S., Lebailly, P., & Witlox, F. (2018). Agricultural land conversion: Reviewing drought impacts and coping strategies. *International Journal of Disaster Risk Reduction*, 31, 184–195. <https://doi.org/10.1016/j.ijdrr.2018.05.003>
- Azunre, G. A., Amponsah, O., Peprah, C., Takyi, S. A., & Braimah, I. (2019). A review of the role of urban agriculture in the sustainable city discourse. *Cities*, 93, 104–119. <https://doi.org/10.1016/j.cities.2019.04.006>
- Babalola, D. A., & Isitor, S. U. (2014). Analysis of the Determinants of Food Expenditure Patterns among Urban Households in Nigeria: Evidence from Lagos State. *IOSR Journal of Agriculture and Veterinary Science*, 7(5), 71–75. <https://doi.org/10.9790/2380-07537175>
- Babatunde, R. O., Omoniwa, A. E., Adekunle, A. O., & Oyeleke, G. T. (2019). Effect of Food Expenditure on Farming Households’ Welfare in Osun State, Nigeria. *Cercetari Agronomice in Moldova*, 52(1), 79–90. <https://doi.org/10.2478/cerce-2019-0009>
- Badami, M. G., & Ramankutty, N. (2015). Urban agriculture and food security: A critique based on an assessment of urban land constraints. *Global Food Security*, 4, 8–15. <https://doi.org/10.1016/j.gfs.2014.10.003>
- Badan Ketahanan Pangan. (2019). *Direktori Perkembangan Konsumsi*

Pangan. <http://bkp.pertanian.go.id/storage>

Peraturan Daerah Kota Makassar No. 4 tentang Rencana Tata Ruang Wilayah Kota Makassar Tahun 2015-2034, Pub. L. No. 4 (2015). <https://www.academia.edu/38415757>

Badan Pusat Statistik. (2018). *Konversi Gabah ke Beras Tahun 2018*. <https://www.bps.go.id/publication>

Badan Pusat Statistik Kota Makassar. (2018). *Kota Makassar dalam Angka 2018*. <https://makassarkota.bps.go.id/publication>

_____. (2019). *Makassar dalam Angka*. <https://makassarkota.bps.go.id/publication>

_____. (2020a). *Kota Makassar dalam Angka 2020: Penyediaan Data untuk Perencanaan Pembangunan*. <https://makassarkota.bps.go.id/publication>

_____. (2020b). *Kota Makassar dalam Angka 2020*. <https://makassarkota.bps.go.id/publication>

_____. (2021). *Kota Makassar dalam Angka 2021*. <https://makassarkota.bps.go.id/publication>

Badan Pusat Statistik Sulawesi Selatan. (2015). *Statistik penggunaan lahan Provinsi Sulawesi Selatan 2014*. <https://sulsel.bps.go.id/publication>

_____. (2016). *Statistik penggunaan lahan Provinsi Sulawesi Selatan 2015*. <https://sulsel.bps.go.id/publication>

_____. (2017). *Statistik penggunaan lahan provinsi Sulawesi Selatan 2016*. <https://sulsel.bps.go.id/publication>

_____. (2018). *Statistik Penggunaan Lahan Provinsi Sulawesi Selatan 2017*. <https://sulsel.bps.go.id/publication>

_____. (2019). *Statistik Penggunaan Lahan Provinsi Sulawesi Selatan 2018*. <https://sulsel.bps.go.id/publication>

_____. (2020a). *Propinsi Sulawesi Selatan dalam Angka 2020: Penyediaan Data untuk Perencanaan Pembangunan*. <https://sulsel.bps.go.id/publication>

_____. (2020b). *Statistik Penggunaan Lahan Provinsi Sulawesi Selatan 2019*. <https://sulsel.bps.go.id/publication>

_____. (2021). *Propinsi Sulawesi selatan dalam Angka 2021*. <https://sulsel.bps.go.id/publication>

Badan Standardisasi Nasional. (2011). *Pengukuran dan Penghitungan Cadangan Karbon: Pengukuran Lapangan untuk Penaksiran Cadangan Karbon Hutan (Ground Based Forest Carbon Accounting)*.

<http://simlit.puspijak.org/files>

- Baiquni, M. (2009). Revolusi industri, ledakan penduduk dan masalah lingkungan. *Jurnal Sains & Teknologi Lingkungan*, 1(1), 38–59. <https://doi.org/10.20885/jstl.vol1.iss1.art3>
- Balnaves, M., & Caputi, P. (2001). *Introduction to Quantitative Research Methods: An Investigative Approach*. Sage. <http://www.corwin.com/upm-data>
- Barbieri, C., Xu, S., Gil-Arroyo, C., & Rich, S. R. (2016). Agritourism, Farm Visit, or . . . ? A Branding Assessment for Recreation on Farms. *Journal of Travel Research*, 55(8), 1094–1108. <https://doi.org/10.1177/0047287515605930>
- Baulcombe, D., Crute, I., Davies, B., Dunwel, I. J., Gale, M., Jones, J., Pretty, J., Sutherland, W., & Toulmin, C. (2009). *Reaping the Benefits: Science and the Sustainable Intensification of Global Agriculture*. Royal Society. London.
- Bell, S. (2004). *Elements of Visual Design in the Landscape* (2nd ed.). Spon Press. <https://pdf-drive.com/pdf>
- Bellemare, M. F., & Dusruth, V. (2020). Who Participates in Urban Agriculture? An Empirical Analysis. *Applied Economic Perspectives and Policy*, 43, 430–442. <https://doi.org/10.1002/aapp.13072>
- Benis, K., & Ferrão, P. (2018). Commercial farming within the urban built environment – Taking stock of an evolving field in northern countries. *Global Food Security*, 17, 30–37. <https://doi.org/10.1016/j.gfs.2018.03.005>
- Boediono. (2012). *Transformasi Pertanian untuk Memperkokoh Ketahanan Pangan Nasional*. <http://news.ipb.ac.id>
- Bonsdorff, P. von. (2005). *Agriculture, Aesthetic Appreciation and the Worlds of Nature*. 3. <https://www.contempaesthetics.org/newvolume>
- Bonsu, C. O., & Muzindutsi, P.-F. (2017). Macroeconomic determinants of household consumption expenditure in Ghana: A multivariate co-integration approach. *International Journal of Economics and Financial Issues*, 7(4), 737–745. <https://www.econjournals.com/index.php>
- Boossabong, P. (2019). Governing Bangkok's city food system: Engaging multi-stakeholders for smart, sustainable and inclusive growth. *City, Culture and Society*, 16, 52–59. <https://doi.org/10.1016/j.ccs.2018.05.001>
- Bopda, A., Brummett, R., Dury, S., Elong, P., Foto-Menbohan, S., Gockowski, J., Kana, C., Kengue, J., Ngonthe, R., Nolte, C., Soua, N., Tanawa, E., Tchouendjeu, Z., & Temple, L. (2010). Urban Farming

- Systems in Yaoundé – Building a Mosaic. In *African Urban Harvest* (pp. 39–59). Springer New York. https://doi.org/10.1007/978-1-4419-6250-8_3
- Boserup, E. (1981). . *Population and Technological Change: A Study of Long-term Trends*. University of Chicago Press. Chicago.
- Bosley, D. S. (1993). A Study of Gender and its Influence on Visual Design. *Technical Communication*, 40(3), 543–547. <https://www.jstor.org/stable/43091043>
- Brady, E. (2006). The Aesthetics of Agricultural Landscapes and the Relationship between Humans and Nature. *Ethics, Place & Environment*, 9(1), 1–19. <https://doi.org/10.1080/13668790500518024>
- Branson, W. H. (1989). *Macroeconomic Theory and Policy* (3th ed.). Harper and Row Publishers. New York.
- Budiyono, D., Nurisjah, S., & Adrianto, L. (2013). Perencanaan lanskap kawasan wisata Pesisir Lalong Kota Luwuk, Sulawesi Tengah. *Jurnal Lanskap Indonesia*, 5(2), 21–27. <https://doi.org/10.29244/jli.2013.5.2.21-27>
- Budiyono, D., & Soelistyari, H. T. (2016). Evaluasi kualitas visual lanskap wisata Pantai Balekambang Di Desa Srigonco, Kabupaten Malang. *Jurnal Lanskap Indonesia*, 8(2), 80–90. <https://doi.org/10.29244/jli.2016.8.2.81-90>
- Burns, A., Gleadow, R., Cliff, J., Zacarias, A., & Cavagnaro, T. (2010). Cassava: The Drought, War and Famine Crop in a Changing World. *Sustainability*, 2(11), 3572–3607. <https://doi.org/10.3390/su2113572>
- Burton, R. J. F. (2012). Understanding Farmers' Aesthetic Preference for Tidy Agricultural Landscapes: A Bourdieusian Perspective. *Landscape Research*, 37(1), 51–71. <https://core.ac.uk/download>
- Cahaya, D. L. (2014). Kajian Peran Pertanian Perkotaan Dalam Pembangunan Perkotaan Berkelanjutan (Studi Kasus: Pertanian Tanaman Obat Keluarga Di Kelurahan Slipi, Jakarta Barat. *Forum Ilmiah*, 11(3), 323–333.
- Carroll, C. D. (2001). A Theory of the Consumption Function, with and without Liquidity Constraints. *The Journal of Economic Perspectives*, 15(3), 23–45. <http://www.jstor.org/stable>
- Chagomoka, T., Drescher, A., Glaser, R., Marschner, B., Schlesinger, J., & Nyandoro, G. (2015). Vegetable production, consumption and its contribution to diets along the urban – rural continuum in Northern Ghana. *African Journal of Food Agriculture, Nutrition and Development*, 15(4), 10352–10367. <https://www.ajol.info/index.php>

- Chandrasekara, A., & Kumar, T. J. (2016). Roots and Tuber Crops as Functional Foods: A Review on Phytochemical Constituents and Their Potential Health Benefits. *International Journal of Food Science*, 2016, 1–15. <https://doi.org/10.1155/2016/3631647>
- Chenarides, L., Grebitus, C., Lusk, J. L., & Printezis, I. (2021). Who practices urban agriculture? An empirical analysis of participation before and during the COVID-19 pandemic. *Agribusiness*, 37(11), 142–159. <https://doi.org/10.1002/agr.21675>
- Chi, G., & Ho, H. C. (2018). Population stress: A spatiotemporal analysis of population change and land development at the county level in the contiguous United States, 2001–2011. *Land Use Policy*, 70, 128–137. <https://doi.org/10.1016/j.landusepol.2017.10.008>
- Child, I. L. (1964). Observations on the Meaning of Some Measures of Esthetic Sensitivity. *The Journal of Psychology*, 57(1), 49–64. <https://doi.org/10.1080/00223980.1964.9916671>
- Cohen, N., Reynolds, K., & Sanghvi, R. (2012). *Five Borough Farm: Seeding the Future of Urban Agriculture in New York City*. Design Trust for Public Space. <https://doi.org/10.13140/RG.2.1.2236.0806>
- Cohen, Nevin, & Reynolds, K. (2014). Urban Agriculture Policy Making in New York's "New Political Spaces." *Journal of Planning Education and Research*, 34(2), 221–234. <https://doi.org/10.1177/0739456X14526453>
- Conway, E. (2015). *Gagasan Ekonomi yang Perlu Anda Ketahui* (D. P. Purba, G. Gania, & N. Hananti (trans.)). Esensi Erlangga Group. Jakarta.
- Cook, J., Oviatt, K., Main, D. S., Kaur, H., & Brett, J. (2015). Re-conceptualizing urban agriculture: an exploration of farming along the banks of the Yamuna River in Delhi, India. *Agriculture and Human Values*, 32(2), 265–279. <https://doi.org/10.1007/s10460-014-9545-z>
- Cordell, D., Drangert, J.-O., & White, S. (2009). The story of phosphorus: Global food security and food for thought. *Global Environmental Change*, 19(2), 292–305. <https://doi.org/10.1016/j.gloenvcha.2008.10.009>
- Creswell, J. W. (2014). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches Fourth Edition*. Sage. Washington.
- Dal Bó, E., Hernández, P., & Mazzuca, S. (2015). *The Paradox of Civilization: Pre-Institutional Sources of Security and Prosperity* (NBER Working Paper Series). <https://doi.org/10.3386/w21829>
- Daniel, T.C., & Boster, R. S. (1976). *Measuring Landscape Aesthetic: The Scenic Beauty Estimation Method*. USDA Forest Service.

<https://www.fs.fed.us/rm>

- Daniel, Terry C. (2001). Whither scenic beauty? Visual landscape quality assessment in the 21st century. *Landscape and Urban Planning*, 54(1–4), 267–281. [https://doi.org/10.1016/S0169-2046\(01\)00141-4](https://doi.org/10.1016/S0169-2046(01)00141-4)
- Darma, R. (2014). Kedaulatan Pangan. In D. Dachlan & S. Suhab (Eds.), *Pembangunan Kawasan Timur Indonesia dalam Konteks Kekinian Indonesia*. Pusat Penelitian dan Pengembangan Kebijakan dan Manajemen Universitas Hasanuddin. Makassar.
- de Amorim, W. S., Borchardt Deggau, A., do Livramento Gonçalves, G., da Silva Neiva, S., Prasath, A. R., & Salgueirinho Osório de Andrade Guerra, J. B. (2019). Urban challenges and opportunities to promote sustainable food security through smart cities and the 4th industrial revolution. *Land Use Policy*, 87, 104065. <https://doi.org/10.1016/j.landusepol.2019.104065>
- de Bon, H., Parrot, L., & Moustier, P. (2009). Sustainable Urban Agriculture in Developing Countries: A Review. In *Sustainable Agriculture* (Vol. 30, pp. 619–633). Springer Netherlands. https://doi.org/10.1007/978-90-481-2666-8_38
- Deakin, M., Diamantini, D., & Borrelli, N. (2019). The governance of a smart city food system: The 2015 Milan World Expo. *City, Culture and Society*, 16, 5–11. <https://doi.org/10.1016/j.ccs.2018.05.004>
- Dearden, P. (1984). Factors influencing landscape preferences: An empirical investigation. *Landscape Planning*, 11(4), 293–306. [https://doi.org/10.1016/0304-3924\(84\)90026-1](https://doi.org/10.1016/0304-3924(84)90026-1)
- Debertin, D. L. (2012). *Agricultural Production Economics Second Edition*. CreateSpace Independent Publishing Platform. California.
- Demenois, J., Torquebiau, E., Arnoult, M. H., Eglin, T., Masse, D., Assouma, M. H., Blanfort, V., Chenu, C., Chapuis-Lardy, L., Medoc, J.-M., & Sall, S. N. (2020). Barriers and Strategies to Boost Soil Carbon Sequestration in Agriculture. *Frontiers in Sustainable Food Systems*, 4. <https://doi.org/10.3389/fsufs.2020.00037>
- Demont, M., Jouve, P., Stessens, J., & Tollens, E. (2007). Boserup versus Malthus revisited: Evolution of farming systems in northern Côte d'Ivoire. *Agricultural Systems*, 93(1–3), 215–228. <https://doi.org/10.1016/j.agsy.2006.05.006>
- Despommier, D. (2013). Farming up the city: the rise of urban vertical farms. *Trends in Biotechnology*, 31(7), 388–389. <https://doi.org/10.1016/j.tibtech.2013.03.008>
- Dewi, N. K., & Rudiarto, I. (2013). Identifikasi Alih Fungsi Lahan Pertanian dan Kondisi Sosial Ekonomi Masyarakat Daerah Pinggiran di

- Kecamatan Gunungpati Kota Semarang. *Jurnal Wilayah Dan Lingkungan*, 1(2), 175. <https://doi.org/10.14710/jwl.1.2.175-188>
- Dewi, R. R., & Santoso, E. B. (2016). Arahan Peningkatan Pengelolaan Program Urban Farming di Kelurahan Made Kecamatan Sambikerep Surabaya. *Jurnal Teknik ITS*, 5(2). <https://doi.org/10.12962/j23373539.v5i2.18167>
- Dharmawan, A. H., Sihaloho, M., & Rusli, S. (2007). Konversi Lahan Pertanian Dan Perubahan Struktur Agraria (Studi Kasus di Kelurahan Mulyaharaja, Kecamatan Bogor Selatan, Kota Bogor, Jawa Barat). *Sodality: Jurnal Sosiologi Pedesaan*, 1(2). <https://doi.org/10.22500/sodality.v1i2.5928>
- Dhingra, M., & Chattopadhyay, S. (2016). Advancing smartness of traditional settlements-case analysis of Indian and Arab old cities. *International Journal of Sustainable Built Environment*, 5(2), 549–563. <https://doi.org/10.1016/j.ijbsbe.2016.08.004>
- DiDomenica, B., & Gordon, M. (2016). Food Policy: Urban Farming as a Supplemental Food Source. *Journal of Social Change*, 8(1). <https://doi.org/10.5590/JOSC.2016.08.1.01>
- Diehl, J., Oviatt, K., Chandra, A., & Kaur, H. (2019). Household Food Consumption Patterns and Food Security among Low-Income Migrant Urban Farmers in Delhi, Jakarta, and Quito. *Sustainability*, 11(5), 1378. <https://doi.org/10.3390/su11051378>
- Dieleman, H. (2017). Urban agriculture in Mexico City; balancing between ecological, economic, social and symbolic value. *Journal of Cleaner Production*, 163, S156–S163. <https://doi.org/10.1016/j.jclepro.2016.01.082>
- Dimitri, C., Oberholtzer, L., & Pressman, A. (2015). The promises of farming in the city: Introduction to the urban agriculture themed issue. *Renewable Agriculture and Food Systems*, 30(1), 1–2. <https://doi.org/10.1017/S174217051400043X>
- Dong, X., & Hu, B. (2010). Regional Difference in Food Consumption Away from Home of Urban Residents: A Panel Data Analysis. *Agriculture and Agricultural Science Procedia*, 1, 271–277. <https://doi.org/10.1016/j.aaspro.2010.09.034>
- Duncan, J. S., Savage, N., & Street, A. (2014). Nanotechnology Applications for Clean Water. In A. Street, R. Sustich, J. Duncan, & N. Savage (Eds.), *Nanotechnology Applications for Clean Water: Solutions for Improving Water Quality* (second, pp. 529–555). Elsevier. <https://doi.org/10.1016/C2012-0-00675-8>
- Edirisinghe, J. C. (2015). Smallholder farmers' household wealth and

- livelihood choices in developing countries: A Sri Lankan case study. *Economic Analysis and Policy*, 45, 33–38. <https://doi.org/10.1016/j.eap.2015.01.001>
- Ehrlich, A. H. (1995). Implications of Population Pressure on Agriculture and Ecosystems. In J. A. Callow, J. H. Andrews, & I. C. Tommerup (Eds.), *Advances in Botanical Research* (pp. 79–104). Academic Press. [https://doi.org/10.1016/S0065-2296\(08\)60009-9](https://doi.org/10.1016/S0065-2296(08)60009-9)
- Fanariotu, I., & Skuras, D. (2004). The Contribution of Scenic Beauty Indicators in Estimating Environmental Welfare Measures: A Case Study. *Social Indicators Research*, 65, 145–165. <https://doi.org/10.1023/A:1025802610622>
- Farouki, N. (2018). Biotechnologies: The Ideal Victim? In M. K. Kuntz (Ed.), *Advances in Botanical Research* (Vol. 86, pp. 325–336). <https://doi.org/10.1016/bs.abr.2017.11.008>
- Fathun, L. M. (2015). Paradiplomasi Menuju Kota Dunia: Studi Kasus Pemerintah Kota Makassar. *Indonesian Perspective*, 1(1), 75–94. <https://dx.doi.org/10.14710/ip.v1i1.10430>
- Fauzi, A. R., Ichniarsyah, A. N., & Agustin, H. (2016). Pertanian Perkotaan : Urgensi, Peranan, Dan Praktik Terbaik. *Jurnal Agroteknologi*, 10(1), 49–62. <https://jurnal.unej.ac.id/index.php>
- Ferreira, A. J. D., Guilherme, R. I. M. M., Ferreira, C. S. S., & Oliveira, M. de F. M. L. de. (2018). Urban agriculture, a tool towards more resilient urban communities? *Current Opinion in Environmental Science & Health*, 5, 93–97. <https://doi.org/10.1016/j.coesh.2018.06.004>
- Frank, S., Fürst, C., Koschke, L., Witt, A., & Makeschin, F. (2013). Assessment of landscape aesthetics—Validation of a landscape metrics-based assessment by visual estimation of the scenic beauty. *Ecological Indicators*, 32, 222–231. <https://doi.org/10.1016/j.ecolind.2013.03.026>
- Galimberti, A., Cena, H., Campone, L., Ferri, E., Dell'Agli, M., Sangiovanni, E., Belingheri, M., Riva, M. A., Casiraghi, M., & Labra, M. (2020). Rethinking Urban and Food Policies to Improve Citizens Safety After COVID-19 Pandemic. *Front. Nutr.*, 7, 569542. <https://doi.org/10.3389/fnut.2020.569542>
- García-Palacios, P., Gattinger, A., Bracht-Jørgensen, H., Brussaard, L., Carvalho, F., Castro, H., Clément, J.-C., De Deyn, G., D'Hertefeldt, T., Foulquier, A., Hedlund, K., Lavorel, S., Legay, N., Lori, M., Mäder, P., Martínez-García, L. B., Martins da Silva, P., Muller, A., Nascimento, E., ... Milla, R. (2018). Crop traits drive soil carbon sequestration under organic farming. *Journal of Applied Ecology*, 55(5), 2496–2505. <https://doi.org/10.1111/1365-2664.13113>

- Gattinger, A., Muller, A., Haeni, M., Skinner, C., Fliessbach, A., Buchmann, N., Mader, P., Stolze, M., Smith, P., Scialabba, N. E.-H., & Niggli, U. (2012). Enhanced top soil carbon stocks under organic farming. *Proceedings of the National Academy of Sciences*, *109*(44), 18226–18231. <https://doi.org/10.1073/pnas.1209429109>
- Gea, A. A. (2011). Environmental Stress: Usaha Mengatasi Stress yang Bersumber dari Lingkungan. *Humaniora*, *2*(1), 874–884. <http://journal.binus.ac.id/index.php>
- Gebrewahid, Y., Gebre-Egziabhier, T.-B., Teka, K., & Birhane, E. (2018). Carbon stock potential of scattered trees on farmland along an altitudinal gradient in Tigray, Northern Ethiopia. *Ecological Processes*, *7*(1), 40. <https://doi.org/10.1186/s13717-018-0152-6>
- Geng, D. (Christina), Innes, J., Wu, W., & Wang, G. (2020). Impacts of COVID-19 pandemic on urban park visitation: a global analysis. *Journal of Forestry Research*. <https://doi.org/10.1007/s11676-020-01249-w>
- Gimenez, M. E. (1977). Population and Capitalism. *Latin American Perspectives*, *4*(4), 5–40. <https://doi.org/10.1177/0094582X7700400402>
- Gnanavelrajah, N., Shrestha, R. P., Schmidt-Vogt, D., & Samarakoon, L. (2008). Carbon stock assessment and soil carbon management in agricultural land-uses in Thailand. *Land Degradation & Development*, *19*(3), 242–256. <https://doi.org/10.1002/ldr.838>
- Goldstein, B., Hauschild, M., Fernández, J., & Birkved, M. (2016). Testing the environmental performance of urban agriculture as a food supply in northern climates. *Journal of Cleaner Production*, *135*, 984–994. <https://doi.org/10.1016/j.jclepro.2016.07.004>
- Gómez, C., Currey, C. J., Dickson, R. W., Kim, H.-J., Hernández, R., Sabe, N. C., Raudales, R. E., Brumfield, R. G., Laury-Shaw, A., Wilke, A. K., Lopez, R. G., & Burnett, S. E. (2019). Controlled Environment Food Production for Urban Agriculture. *HortScience*, *54*(9), 1448–1458. <https://doi.org/10.21273/HORTSCI14073-19>
- Goodman, W., & Minner, J. (2019). Will the urban agricultural revolution be vertical and soilless? A case study of controlled environment agriculture in New York City. *Land Use Policy*, *83*, 160–173. <https://doi.org/10.1016/j.landusepol.2018.12.038>
- Gore, C. D. (2018). How African cities lead: Urban policy innovation and agriculture in Kampala and Nairobi. *World Development*, *108*, 169–180. <https://doi.org/10.1016/j.worlddev.2018.03.011>
- Grebitus, C., Chenarides, L., Muenich, R., & Mahalov, A. (2020). Consumers' Perception of Urban Farming—An Exploratory Study.

- Front. Sustain. Food Systems*, 4.
<https://doi.org/10.3389/fsufs.2020.00079>
- Gujarati, D. N., & Porter, D. C. (2009). *Basic Econometrics* (5th ed.). McGraw-Hill Irwin. Boston.
- Guo, G., Wen, Q., & Zhu, J. (2015). The Impact of Aging Agricultural Labor Population on Farmland Output: From the Perspective of Farmer Preferences. *Mathematical Problems in Engineering*, 2015, 1–7. <https://doi.org/10.1155/2015/730618>
- Hairiah, K., Ekadinata, A., Sari, R. R., & Rahayu, S. (2011). *Petunjuk Praktis Pengukuran Cadangan Karbon dari Tingkat Lahan ke Bentang Lahan* (kedua). World Agroforestry Centre. <http://www.worldagroforestry.org/sea>
- Haletky, N., Taylor, O., Weidner, J., & Gerbing, S. (2006). Urban Agriculture as a Solution to Food Insecurity: West Oakland and People's Grocery. *Urban Action*, 49–57. <https://doi.org/doi=10.1.1.120.1606&rep=rep1&type=pdf#page=61>.
- Hallett, S., Hoagland, L., & Toner, E. (2016). Urban Agriculture: Environmental, Economic, and Social Perspectives. In *Horticultural Reviews* (pp. 65–120). John Wiley & Sons, Inc. <https://doi.org/10.1002/9781119281269.ch2>
- Hamzens, W. P. S., & Moestopo, M. W. (2018). Pengembangan Potensi Pertanian Perkotaan di Kawasan Sungai Palu. *Jurnal Pengembangan Kota*, 6(1), 75. <https://doi.org/10.14710/jpk.6.1.75-83>
- Han, M. Y., Chen, G. Q., & Dunford, M. (2019). Land use balance for urban economy: A multi-scale and multi-type perspective. *Land Use Policy*, 83, 323–333. <https://doi.org/10.1016/j.landusepol.2019.01.020>
- Hartmann, J., Sutcliffe, A., & Angeli, A. De. (2008). Towards a theory of user judgment of aesthetics and user interface quality. *ACM Transactions on Computer-Human Interaction*, 15(4), 1–30. <https://doi.org/10.1145/1460355.1460357>
- Hassan, A. M., & Lee, H. (2015). The paradox of the sustainable city: definitions and examples. *Environment, Development and Sustainability*, 17(6), 1267–1285. <https://doi.org/10.1007/s10668-014-9604-z>
- Helen, Jarzebski, M. P., & Gasparatos, A. (2019). Land use change, carbon stocks and tree species diversity in green spaces of a secondary city in Myanmar, Pyin Oo Lwin. *PLOS ONE*, 14(11), e0225331. <https://doi.org/10.1371/journal.pone.0225331>
- Herdiyanto, D., & Setiawan, A. (2015). Upaya Peningkatan Kualitas Tanah Melalui Sosialisasi Pupuk Hayati, Pupuk Organik, dan Olah Tanah

- Konservasi di Desa Sukamanah dan Desa Nanggerang Kecamatan Cigalontang Kabupaten Tasikmalaya. *Jurnal Aplikasi Ipteks Untuk Masyarakat*, 4(1), 47–53. <https://doi.org/10.24198/dharmakarya.v4i1.9039>
- Heshmati, Maasoumi, & Wan. (2019). An Analysis of the Determinants of Household Consumption Expenditure and Poverty in India. *Economies*, 7(4), 96. <https://doi.org/10.3390/economies7040096>
- Hidayat, I. W. (2009). Uji Scenic Beauty Estimation terhadap Konfigurasi Tegakan-Tegakan Vegetasi di Kebun Raya Bogor. *Prosiding Seminar Nasional Sains MIPA Dan Aplikasinya*, 49–54. <https://doi.org/10.13140/2FRG.2.1.4679.0560>
- Hill, D., & Daniel, T. C. (2007). Foundations for an Ecological Aesthetic: Can Information Alter Landscape Preferences? *Society & Natural Resources*, 21(1), 34–49. <https://doi.org/10.1080/08941920701655700>
- Hillel, D. (2005). CIVILIZATION, ROLE OF SOILS. In *Encyclopedia of Soils in the Environment* (pp. 199–204). Elsevier. <https://doi.org/10.1016/B0-12-348530-4/00006-0>
- Ho, S. P. S. (1986). Off-Farm Employment and Farm Household in Taiwan. In R. T. Shand (Ed.), *Off-Farm Employment in The Development of Rural Development of Rural Asia* (pp. 95–133). National Centre for Development Studies, Australian National University. Canberra.
- Höjer, M., & Wangel, J. (2015). Smart Sustainable Cities: Definition and Challenges. In L. Hilty & B. Aebischer (Eds.), *ICT Innovations for Sustainability* (pp. 333–349). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-319-09228-7_20
- Hubeis, A. V. S. (2012). Relasi Gender dan Ketahanan Pangan. In R. Poerwanto, I. Z. Siregar, & A. Suryani (Eds.), *Merevolusi Revolusi Hijau* (pp. 713–729). IPB Press. Bogor.
- Ibrahim, L., & Salim, S. A. (2020). The Framework of Urban Farming Towards Enhancing Quality of Life In Malaysia. *International Journal of Supply Chain Management*, 9(1), 520–526. <http://www.ojs.excelingtech.co.uk/index.php>
- Ikerd, J. E. (1990). Agriculture's search for sustainability and profitability. *Journal of Soil and Water Conservation*, 45(1), 18 LP – 23. <http://www.jswconline.org/content>
- Ilhami, W. T., & Gunawan, A. (2011). Persepsi dan preferensi warna dalam lanskap. *Jurnal Lanskap Indonesia*, 3(2), 73–79. <https://journal.ipb.ac.id/index.php>
- Jacobsen, T. (2010). Beauty and the brain: culture, history and individual differences in aesthetic appreciation. *Journal of Anatomy*, 216(2), 184–

191. <https://doi.org/10.1111/j.1469-7580.2009.01164.x>
- James, H. S. (2005). For a Sustainable Agriculture, We Need More Adam Smith, Not Less. *SSRN Electronic Journal*. <https://doi.org/10.2139/ssrn.742465>
- Jashari, A. S., Brand, A., Roinishvili, M., Kunchulia, M., Sierro, G., Willemin, J., Chkonia, E., Iannantuoni, L., Pilz, K., Mohr, C., & Herzog, M. (2016). Gender differences in visual perception. *Journal of Vision*, *16*(12), 207. <https://doi.org/10.1167/16.12.207>
- Jashari, A. S., Roinishvili, M., Grzeczkowski, L., Chkonia, E., Pilz, K., Mohr, C., Brand, A., Kunchulia, M., & Herzog, M. H. (2018). Sex-related differences in vision are heterogeneous. *Scientific Reports*, *8*(1), 7521. <https://doi.org/10.1038/s41598-018-25298-8>
- Jati, W. . (2015). Bonus Demografi sebagai Mesin Pertumbuhan Ekonomi: Jendela Peluang atau Jendela Bencana di Indonesia? *Populasi*, *23*(1), 1–19. <https://journal.ugm.ac.id/populasi>
- Jayanti, E. (2017). Hubungan Pertumbuhan Penduduk dengan Tujuan Pembangunan Berkelanjutan di Sumatera. *Jurnal Ekonomi Dan Kebijakan Publik Indonesia*, *4*(2), 136–155. <http://www.jurnal.unsyiah.ac.id/EKaPI>
- JIAO, X., Mongol, N., & ZHANG, F. (2018). The transformation of agriculture in China: Looking back and looking forward. *Journal of Integrative Agriculture*, *17*(4), 755–764. [https://doi.org/10.1016/S2095-3119\(17\)61774-X](https://doi.org/10.1016/S2095-3119(17)61774-X)
- Juita, S., Lumangkun, A., & Dewantara, I. (2016). Penilaian Ekonomi Jasa Lingkungan Hutan Kota pada Kawasan Universitas Tanjungpura Pontianak. *Jurnal Hutan Lestari*, *4*(3), 380–386. <http://jurnal.untan.ac.id/index.php>
- Kansiime, M. K., Tambo, J. A., Mugambi, M. I., Bundi, M. M., Kara, A., & Owuor, M. C. (2020). COVID-19 implications on household income and food security in Kenya and Uganda: Findings from a rapid assessment. *World Development*, 105199. <https://doi.org/10.1016/j.worlddev.2020.105199>
- Kaputra, I. (2013). Alih Fungsi Lahan, Pembangunan Pertanian dan Kedaulatan Pangan. *Strukturasi*, *1*(1), 25–39. <https://www.researchgate.net/publication>
- Karmini, K., & Karyati, K. (2018). The various sources of household income of paddy farmers in East Kalimantan, Indonesia. *Biodiversitas Journal of Biological Diversity*, *19*(2), 357–363. <https://doi.org/10.13057/biodiv/d190201>
- Kartasasmita, G. (1996). *Pembangunan untuk Rakyat: memadukan*

- Pertumbuhan dan Pemerataan*. Pustaka CIDESINDO.
<https://issuu.com/ginandjarkartasasmita>
- Kaufman, J., & Bailkey, M. (2000). *Farming Inside Cities: Entrepreneurial Urban Agriculture in the United States* No Title.
<http://www.urbantilth.org/wp-content>
- Kekana, D. S. (2006). *A Socio-economic analysis of Urban Agriculture: The Soshanguve Project Case Study* [University of Pretoria].
<https://repository.up.ac.za/bitstream>
- Khan, M. M., Akram, M. T., Janke, R., Qadri, R. W. K., Al-Sadi, A. M., & Farooque, A. A. (2020). Urban Horticulture for Food Secure Cities through and beyond COVID-19. *Sustainability*, 12(22), 9592.
<https://doi.org/10.3390/su12229592>
- Kinasih, R. S., Roessali, W., & Prasetyo, E. (2020). Visitors' satisfaction and development strategy of agrotourism: evidence from Semarang, Indonesia. *Journal of Socioeconomics and Development*, 3(2), 101.
<https://doi.org/10.31328/jsed.v3i2.1450>
- Kosaka, S., Suda, K., Gunawan, B., Raksanagara, A., Watanabe, C., & Umezaki, M. (2018). Urban-rural difference in the determinants of dietary and energy intake patterns: A case study in West Java, Indonesia. *PLOS ONE*, 13(5), e0197626.
<https://doi.org/10.1371/journal.pone.0197626>
- Koscica, M. (2014). Agropolis: the role of urban agriculture in addressing food insecurity in developing cities. *Journal of International Affairs*, 67(2), 177–186. <http://www.jstor.org/stable/24461745>
- Krisnamurthi, B. (2006). Revitalisasi Pertanian: Sebuah Konsekuensi Sejarah dan Tuntutan Masa Depan. In J. Sutanto (Ed.), *Revitalisasi Pertanian dan Dialog Peradaban* (p. 6). Kompas Media Nusantara. Jakarta.
- Kulak, M., Graves, A., & Chatterton, J. (2013). Reducing greenhouse gas emissions with urban agriculture: A Life Cycle Assessment perspective. *Landscape and Urban Planning*, 111, 68–78.
<https://doi.org/10.1016/j.landurbplan.2012.11.007>
- Lal, R. (2020). Home gardening and urban agriculture for advancing food and nutritional security in response to the COVID-19 pandemic. *Food Sec.*, 12, 871–876. <https://doi.org/10.1007/s12571-020-01058-3>
- Lansigan, F. ., de los Santos, W. ., & Coladilla, J. . (2000). Agronomic impacts of climate variability on rice production in the Philippines. *Agriculture, Ecosystems & Environment*, 82(1–3), 129–137.
[https://doi.org/10.1016/S0167-8809\(00\)00222-X](https://doi.org/10.1016/S0167-8809(00)00222-X)
- Latruffe, L., Diazabakana, A., Bockstaller, C., Desjeux, Y., Finn, J., Kelly,

- E., Ryan, M., & Uthes, S. (2016). Measurement of sustainability in agriculture: a review of indicators. *Studies in Agricultural Economics*, 118(3), 123–130. <https://doi.org/10.7896/j.1624>
- Lattre-Gasquet, M., Mouël, C. L., & Mora, O. (2018). The 'Land Use and Food Security' System. In M. Lattre-Gasquet, C. L. Mouël, & O. Mora (Eds.), *Land Use and Food Security in 2050: A Narrow Road* (p. 15). Éditions Quæ. <https://www.cirad.fr/en>
- Lau, L. J., & Yotopoulos, P. A. (1971). A Test for Relative Efficiency and Application to Indian Agriculture. *The American Economic Review*, 61(1), 94–109. <http://www.jstor.org/stable>
- Leach, J. M., Mulhall, R. A., Rogers, C. D. F., & Bryson, J. R. (2019). Reading cities: Developing an urban diagnostics approach for identifying integrated urban problems with application to the city of Birmingham, UK. *Cities*, 86, 136–144. <https://doi.org/10.1016/j.cities.2018.09.012>
- Lee, G.-G., Lee, H.-W., & Lee, J.-H. (2015). Greenhouse gas emission reduction effect in the transportation sector by urban agriculture in Seoul, Korea. *Landscape and Urban Planning*, 140, 1–7. <https://doi.org/10.1016/j.landurbplan.2015.03.012>
- Li, C., Shen, S., & Ding, L. (2020). Evaluation of the winter landscape of the plant community of urban park green spaces based on the scenic beauty estimation method in Yangzhou, China. *PLOS ONE*, 15(10), e0239849. <https://doi.org/10.1371/journal.pone.0239849>
- Li, E., Endter-Wada, J., & Li, S. (2019). Dynamics of Utah's agricultural landscapes in response to urbanization: A comparison between irrigated and non-irrigated agricultural lands. *Applied Geography*, 105, 58–72. <https://doi.org/10.1016/j.apgeog.2019.02.006>
- Li, L., Li, X., Chong, C., Wang, C.-H., & Wang, X. (2020). A decision support framework for the design and operation of sustainable urban farming systems. *Journal of Cleaner Production*, 268, 121928. <https://doi.org/10.1016/j.jclepro.2020.121928>
- Li, M., Gan, C., Ma, W., & Jiang, W. (2020). Impact of cash crop cultivation on household income and migration decisions: Evidence from low-income regions in China. *Journal of Integrative Agriculture*, 19(10), 2571–2581. [https://doi.org/10.1016/S2095-3119\(20\)63161-6](https://doi.org/10.1016/S2095-3119(20)63161-6)
- Li, S., Nadolnyak, D., & Hartarska, V. (2019). Agricultural land conversion: Impacts of economic and natural risk factors in a coastal area. *Land Use Policy*, 80, 380–390. <https://doi.org/10.1016/j.landusepol.2018.10.016>
- Li, Z., & Liao, Q. (2018). Economic solutions to improve cybersecurity of

- governments and smart cities via vulnerability markets. *Government Information Quarterly*, 35(1), 151–160. <https://doi.org/10.1016/j.giq.2017.10.006>
- Lindén, L., Riikonen, A., Setälä, H., & Yli-Pelkonen, V. (2020). Quantifying carbon stocks in urban parks under cold climate conditions. *Urban Forestry & Urban Greening*, 49, 126633. <https://doi.org/10.1016/j.ufug.2020.126633>
- Liu, C., Xu, Y., Huang, A., Liu, Y., Wang, H., Lu, L., Sun, P., & Zheng, W. (2018). Spatial identification of land use multifunctionality at grid scale in farming-pastoral area: A case study of Zhangjiakou City, China. *Habitat International*, 76, 48–61. <https://doi.org/10.1016/j.habitatint.2018.05.010>
- López-Martínez, F. (2017). Visual landscape preferences in Mediterranean areas and their socio-demographic influences. *Ecological Engineering*, 104, 205–215. <https://doi.org/10.1016/j.ecoleng.2017.04.036>
- Lothian, A. (1999). Landscape and the philosophy of aesthetics: is landscape quality inherent in the landscape or in the eye of the beholder? *Landscape and Urban Planning*, 44(4), 177–198. [https://doi.org/10.1016/S0169-2046\(99\)00019-5](https://doi.org/10.1016/S0169-2046(99)00019-5)
- Loupias, C., & Wigniolle, B. (2013). Population, Land, and Growth. *Economic Modelling*, 31, 223–237. <https://doi.org/10.1016/j.econmod.2012.11.006>
- Loupias, Claire, & Wigniolle, B. (2019). Technological changes and population growth: The role of land in England. *Economic Modelling*, 79, 198–210. <https://doi.org/10.1016/j.econmod.2018.10.014>
- Lu, H., Xie, H., & Yao, G. (2019). Impact of land fragmentation on marginal productivity of agricultural labor and non-agricultural labor supply: A case study of Jiangsu, China. *Habitat International*, 83, 65–72. <https://doi.org/10.1016/j.habitatint.2018.11.004>
- Lu, S., Bai, X., Li, W., & Wang, N. (2019). Impacts of climate change on water resources and grain production. *Technological Forecasting and Social Change*, 143, 76–84. <https://doi.org/10.1016/j.techfore.2019.01.015>
- Lugato, E., Bampa, F., Panagos, P., Montanarella, L., & Jones, A. (2014). Potential carbon sequestration of European arable soils estimated by modelling a comprehensive set of management practices. *Global Change Biology*, 20(11), 3557–3567. <https://doi.org/10.1111/gcb.12551>
- Luo, J., Zhang, X., Wu, Y., Shen, J., Shen, L., & Xing, X. (2018). Urban land expansion and the floating population in China: For production or for

- living? *Cities*, 74, 219–228. <https://doi.org/10.1016/j.cities.2017.12.007>
- Lyle, P., Choi, J., & Foth, M. (2013). HCI for City Farms: Design Challenges and Opportunities. *14th International Conference on Human-Computer Interaction*, 109–116. <https://doi.org/10.1007/978-3-642-40498>
- Manyaja, R. S., Anim, F. D. K., & Gwata, E. T. (2018). Factors Contributing to Rural Household Consumption Expenditure of Farmers Cultivating Legumes in the Limpopo Province of South Africa. *Journal of Human Ecology*, 62(1–3). <https://doi.org/10.31901/24566608.2018/62.1-3.3072>
- Margolin, V. (2015). The Good City: Design for Sustainability. *She Ji: The Journal of Design, Economics, and Innovation*, 1(1), 34–43. <https://doi.org/10.1016/j.sheji.2015.07.001>
- Marroquín, B., Vine, V., & Morgan, R. (2020). Mental health during the COVID-19 pandemic: Effects of stay-at-home policies, social distancing behavior, and social resources. *Psychiatry Research*, 293, 113419. <https://doi.org/10.1016/j.psychres.2020.113419>
- Marsden, T., & Sonnino, R. (2008). Rural development and the regional state: Denying multifunctional agriculture in the UK. *Journal of Rural Studies*, 24(4), 422–431. <https://doi.org/10.1016/j.jrurstud.2008.04.001>
- Marshall, W. (2016). Growing Food and Building Power: Urban Agriculture in New York City. *Journal of Agriculture, Food Systems, and Community Development*, 7(1), 145–147. <https://doi.org/10.5304/jafscd.2016.071.014>
- Martín, J.A. Rodríguez, Álvaro-Fuentes, J., Gonzalo, J., Gil, C., Ramos-Miras, J. J., Grau Corbí, J. M., & Boluda, R. (2016). Assessment of the soil organic carbon stock in Spain. *Geoderma*, 264, 117–125. <https://doi.org/10.1016/j.geoderma.2015.10.010>
- Martín, Jose Antonio Rodríguez, Álvaro-Fuentes, J., Gabriel, J. L., Gutiérrez, C., Nanos, N., Escuer, M., Ramos-Miras, J. J., Gil, C., Martín-Lammerding, D., & Boluda, R. (2019). Soil organic carbon stock on the Majorca Island: Temporal change in agricultural soil over the last 10 years. *CATENA*, 181, 104087. <https://doi.org/10.1016/j.catena.2019.104087>
- Martin, M., & Molin, E. (2019). Environmental Assessment of an Urban Vertical Hydroponic Farming System in Sweden. *Sustainability*, 11(15), 4124. <https://doi.org/10.3390/su11154124>
- Maru, R., Nasaruddin, Ikhsan, M., & Laka, B. M. (2015). Perubahan Penggunaan Lahan Kota Makassar Tahun 1990-2010. *Sainsmat*, 4(2), 113–125.
- Marzuki, S. (2017). *RTH Kota Makassar Masih Jauh dari Target*.

- Maye, D. (2019). 'Smart food city': Conceptual relations between smart city planning, urban food systems and innovation theory. *City, Culture and Society*, 16, 18–24. <https://doi.org/10.1016/j.ccs.2017.12.001>
- Mitchell, R., & Hanstad, T. (2004). *Small Homegarden Plots and Sustainable Livelihoods for the Poor* (FAO LSP Working Paper).
- Mo, L., Chen, J., & Xie, Y. (2020). Assessment of landscape resource using the scenic beauty estimation method at compound ecological system. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-020-10978-8>
- Mohareb, E., Heller, M., Novak, P., Goldstein, B., Fonoll, X., & Raskin, L. (2017). Considerations for reducing food system energy demand while scaling up urban agriculture. *Environmental Research Letters*, 12(12), 125004. <https://doi.org/10.1088/1748-9326/aa889b>
- Mok, H.-F., Williamson, V. G., Grove, J. R., Burry, K., Barker, S. F., & Hamilton, A. J. (2013). Strawberry fields forever? Urban agriculture in developed countries: a review. *Agron. Sustain. Dev*, 34(1), 21–43. <https://doi.org/10.1007/s13593-013-0156-7>
- Molden, D., Oweis, T., Steduto, P., Bindraban, P., Hanjra, M. A., & Kijne, J. (2010). Improving agricultural water productivity: Between optimism and caution. *Agricultural Water Management*, 97(4), 528–535. <https://doi.org/10.1016/j.agwat.2009.03.023>
- Molnárová, J. K., Skřivanová, Z., Kalivoda, O., & Sklenička, P. (2017). Rural identity and landscape aesthetics in exurbia: Some issues to resolve from a Central European perspective. *Moravian Geographical Reports*, 25(1), 2–12. <https://doi.org/10.1515/mgr-2017-0001>
- Moratti, M., & Natali, L. (2012). *Measuring household welfare: short versus long consumption modules* (No. 4). <https://www.unicef-irc.org/publications>
- Morgan, K. (2009). Feeding the City: The Challenge of Urban Food Planning. *International Planning Studies*, 14(4), 341–348. <https://doi.org/10.1080/13563471003642852>
- Morissan. (2012). *Metode Penelitian Survei* (2nd ed.). Kencana. Jakarta.
- Mosher, A. T. (1991). *Menggerakkan dan Membangun Pertanian* (S. Krisnandhi & B. Samad (trans.)). Yasaguna. Jakarta.
- Mulyani, A., Kuncoro, D., Nursyamsi, D., & Agus, F. (2016). Konversi Lahan Sawah Indonesia sebagai Ancaman terhadap Ketahanan Pangan. *Jurnal Tanah Dan Iklim*, 40(2), 121–133. <https://dx.doi.org/10.2017/jti.v40i2.5708>
- Mulyani, H. S., Agustin, H., & Zulfan, I. (2019). Implementation of

Community Empowerment Communication in the Need of Environmental Food Security through the Program “Bandung Agri Market.” *International Journal of Psychosocial Rehabilitation*, 23(2), 289–297. <https://doi.org/10.37200/IJPR/V23I2/PR190290>

Mursalim. (2013). *Teknologi Pertanian Motor Penggerak Pembangunan Pertanian*. Masagena. Makassar.

Murtala, D., Manaf, L. A., Ramli, M. F., Yacob, M. R., & Makmom, A. A. (2019). Quantifying the aboveground biomass and carbon storage of urban tree species in Sokoto Metropolis, North-Western Nigeria. *Planning Malaysia Journal*, 17(2), 179–190. <https://dx.doi.org/10.21837/pm.v17i10.639>

Muspiroh, N. (2012). Peran Sektor Pertanian dalam Memenuhi Kecukupan Pangan Nasional. *Scientiae Educatia*, 1(2), 1–15.

Ndubueze-Ogaraku, M. E., Oyita, G. E., & Anyanwu, S. O. (2016). Analysis of Household Consumption Expenditure on Selected Staple Foods in Ika North East Local Government Area of Delta State, Nigeria. *Direct Research Journal of Agriculture and Food Science*, 4(10), 300–307. <http://directresearchpublisher.org/aboutjournal>

Ngafifi, M. (2014). Advances in Technology and Patterns of Human Life in Socio-Cultural Perspective. *Kemajuan Teknologi Dan Pola Hidup Manusia*, 2(1), 33–47. <https://doi.org/10.21831/JPPFA.V2I1.2616>

Ngahdiman, I., Terano, R., Mohamed, Z., & Sharifuddin., J. (2017). Factors Affecting Urban Dwellers to Practice Urban Agriculture. *International Journal of Advanced Research*, 5(7), 1580–1587. <https://doi.org/10.21474/IJAR01/4872>

Nguyen, T. H. T., Tran, V. T., Bui, Q. T., Man, Q. H., & Walter, T. de V. (2016). Socio-economic effects of agricultural land conversion for urban development: Case study of Hanoi, Vietnam. *Land Use Policy*, 54, 583–592. <https://doi.org/10.1016/j.landusepol.2016.02.032>

Noor, I. H. (2011). Pemanfaatan Ilmu Pengetahuan dan Teknologi Dalam Kegiatan Pengabdian Masyarakat di Perguruan Tinggi Idris HM Noor. *Jurnal Pendidikan Dan Kebudayaan*, 17(3), 306. <https://doi.org/10.24832/jpnk.v17i3.27>

Norman, J. F., Dowell, C. J., Higginbotham, A. J., Fedorka, N. W., & Norman, H. F. (2018). Sex and age modulate the visual perception of distance. *Attention, Perception, & Psychophysics*, 80(8), 2022–2032. <https://doi.org/10.3758/s13414-018-1542-7>

Nugent, R. (2000). The impact of urban agriculture on household and local economies. In S. Gundel, M. Dubbeling, H. de Zeeuw, N. Bakker, & U. Sabel-Koschella (Eds.), *Growing Cities, Growing Food: Urban*

Agriculture on the Policy Agenda. Deutsche Stiftung fur internationale Entwicklung. <http://wentfishing.net/farmlit>

- Nugraha, S. (2012). Inovasi Teknologi Pascapanen untuk Mengurangi Susut Hasil dan Mempertahankan Mutu Gabah/Beras di Tingkat Petani. *Buletin Teknologi Pascapanen Pertanian*, 8(1), 48–61. <http://pascapanen.litbang.pertanian.go.id/assets>
- Nugroho, I., Negara, P. D., & Yuniar, H. R. (2018). The planning and the development of the ecotourism and tourism village in Indonesia: A policy review. *Journal of Socioeconomics and Development*, 1(1). <https://doi.org/10.31328/jsed.v1i1.532>
- Nurfaida, Arifin, H. S., Sitorus, S. R. P., & Eriyatno, A. (2019). Assessing scenic beauty of culture-based landscapes in North Toraja Regency. *IOP Conference Series: Earth and Environmental Science*, 399, 012040. <https://doi.org/10.1088/1755-1315/399/1/012040>
- O'Sullivan, C. A., Bonnett, G. D., McIntyre, C. L., Hochman, Z., & Wasson, A. P. (2019). Strategies to improve the productivity, product diversity and profitability of urban agriculture. *Agricultural Systems*, 174, 133–144. <https://doi.org/10.1016/j.agsy.2019.05.007>
- Odoh, N. E., & Nwibo, S. U. (2017). Socio-Economic Determinants of Rural Non-Farm Households Income Diversification in Southeast Nigeria. *International Research Journal of Finance and Economics*, 164, 117–128. <http://internationalresearchjournaloffinanceandeconomics.com>
- Ofwona, A. C. (2013). An estimation of the consumption function for Kenya using Keynes' Absolute Income Hypothesis for the period 1992-2011. *Journal of Emerging Trends in Economics and Management Sciences*, 4(1), 103–105. https://journals.co.za/content/sl_jetems/4/1/EJC132584
- Ojoko, E., & Umbugadu, G. (2016). Factors Influencing Household Expenditure Patterns on Cereal Grains in Nasarawa State, Nigeria. *International Journal of Economics and Management Engineering*, 10(4), 1132–1137. <https://doi.org/10.5281/zenodo.1123761>
- Opitz, I., Berges, R., Piorr, A., & Krikser, T. (2016). Contributing to food security in urban areas: differences between urban agriculture and peri-urban agriculture in the Global North. *Agriculture and Human Values*, 33(2), 341–358. <https://doi.org/10.1007/s10460-015-9610-2>
- Osarfo, D., Senadza, B., & Nketiah-Amponsah, E. (2016). The Impact of Nonfarm Activities on Rural Farm Household Income and Food Security in the Upper East and Upper West Regions of Ghana. *Theoretical Economics Letters*, 06(03), 388–400. <https://doi.org/10.4236/tel.2016.63043>
- Ozturk, M., Saba, N., Altay, V., Iqbal, R., Hakeem, K. R., Jawaid, M., &

- Ibrahim, F. H. (2017). Biomass and bioenergy: An overview of the development potential in Turkey and Malaysia. *Renewable and Sustainable Energy Reviews*, 79, 1285–1302. <https://doi.org/10.1016/j.rser.2017.05.111>
- Palmer, S. E., Schloss, K. B., & Sammartino, J. (2013). Visual Aesthetics and Human Preference. *Annual Review of Psychology*, 64(1), 77–107. <https://doi.org/10.1146/annurev-psych-120710-100504>
- Pandey, J., & Pandey, U. (2009). Accumulation of heavy metals in dietary vegetables and cultivated soil horizon in organic farming system in relation to atmospheric deposition in a seasonally dry tropical region of India. *Environmental Monitoring and Assessment*, 148(1–4), 61–74. <https://doi.org/10.1007/s10661-007-0139-8>
- Pandey, S. V., & Sarajar, A. N. (2017). Pentingnya Pembangunan Sarana Prasarana Transportasi sebagai Upaya Membangun Desa di Kabupaten Minahasa Utara Provinsi Sulawesi Utara. *Jurnal Sipil Statik*, 5(10), 649–656. <https://ejournal.unsrat.ac.id/index.php>
- Park, A. G., McDonald, A. J., Devkota, M., & Davis, A. S. (2018). Increasing yield stability and input efficiencies with cost-effective mechanization in Nepal. *Field Crops Research*, 228, 93–101. <https://doi.org/10.1016/j.fcr.2018.08.012>
- Paschalidou, A., Tsatiris, M., & Kitikidou, K. (2016). Energy crops for biofuel production or for food? - SWOT analysis (case study: Greece). *Renewable Energy*, 93, 636–647. <https://doi.org/10.1016/j.renene.2016.03.040>
- Passidomo, C. (2016). Community gardening and governance over urban nature in New Orleans's Lower Ninth Ward. *Urban Forestry & Urban Greening*, 19, 271–277. <https://doi.org/10.1016/j.ufug.2016.01.001>
- Pattis, A. T. (2010). *Motivating Sustainable Agriculture Change Applied to the Island of Samsø*. Aalborg University. Denmark.
- Undang-undang No.26, Pub. L. No. 26 (2007). <http://www.gitews.org/tsunami-kit>
- Pender, J. (1998). Population growth, agricultural intensification, induced innovation and natural resource sustainability: An application of neoclassical growth theory. *Agricultural Economics*, 19(1–2), 99–112. [https://doi.org/10.1016/S0169-5150\(98\)00024-3](https://doi.org/10.1016/S0169-5150(98)00024-3)
- Peng, J., Liu, Z., Liu, Y., Hu, X., & Wang, A. (2015). Multifunctionality assessment of urban agriculture in Beijing City, China. *Science of The Total Environment*, 537, 343–351. <https://doi.org/10.1016/j.scitotenv.2015.07.136>
- Peng, S.-H., & Han, K.-T. (2018). Assessment of Aesthetic Quality on Soil

- and Water Conservation Engineering Using the Scenic Beauty Estimation Method. *Water*, 10(4), 407. <https://doi.org/10.3390/w10040407>
- Pickett, S. T. A., Boone, C. G., McGrath, B. P., Cadenasso, M. L., Childers, D. L., Ogden, L. A., McHale, M., & Grove, J. M. (2013). Ecological science and transformation to the sustainable city. *Cities*, 32, S10–S20. <https://doi.org/10.1016/j.cities.2013.02.008>
- Piezer, K., Petit-Boix, A., Sanjuan-Delmás, D., Briese, E., Celik, I., Rieradevall, J., Gabarrell, X., Josa, A., & Apul, D. (2019). Ecological network analysis of growing tomatoes in an urban rooftop greenhouse. *Science of The Total Environment*, 651, 1495–1504. <https://doi.org/10.1016/j.scitotenv.2018.09.293>
- Pirro, C., & Anguelovski, I. (2017). Farming the urban fringes of Barcelona: Competing visions of nature and the contestation of a partial sustainability fix. *Geoforum*, 82, 53–65. <https://doi.org/10.1016/j.geoforum.2017.03.023>
- Poepplau, C., & Don, A. (2015). Carbon sequestration in agricultural soils via cultivation of cover crops – A meta-analysis. *Agriculture, Ecosystems & Environment*, 200, 33–41. <https://doi.org/10.1016/j.agee.2014.10.024>
- Pölling, B., Sroka, W., & Mergenthaler, M. (2017). Success of urban farming's city-adjustments and business models—Findings from a survey among farmers in Ruhr Metropolis, Germany. *Land Use Policy*, 69, 372–385. <https://doi.org/10.1016/j.landusepol.2017.09.034>
- Pólya, É., & Szűcs, R. S. (2013). Examining the role of family members in family buying center in adult hungarian population. *European Scientific Journal*, 9(19), 1857–1881. <http://real.mtak.hu/13411>
- Prastowo, B. (2007). Potensi Sektor Pertanian sebagai Penghasil dan Pengguna Energi Terbarukan. *Perspektif*, 6(2), 84–92. <https://dx.doi.org/10.21082/p.v6n2.2007.%25p>
- Pratt, T., Allen, L. N., Rosenberg, D. E., Keller, A. A., & Kopp, K. (2019). Urban agriculture and small farm water use: Case studies and trends from Cache Valley, Utah. *Agricultural Water Management*, 213, 24–35. <https://doi.org/10.1016/j.agwat.2018.09.034>
- Pribadi, D. O., & Pauleit, S. (2015). The dynamics of peri-urban agriculture during rapid urbanization of Jabodetabek Metropolitan Area. *Land Use Policy*, 48, 13–24. <https://doi.org/10.1016/j.landusepol.2015.05.009>
- Pribadi, D. O., & Pauleit, S. (2016). Peri-urban agriculture in Jabodetabek Metropolitan Area and its relationship with the urban socioeconomic system. *Land Use Policy*, 55, 265–274.

<https://doi.org/10.1016/j.landusepol.2016.04.008>

- Prigogine, I. (1986). Science, civilization and democracy. *Futures*, 18(4), 493–507. [https://doi.org/10.1016/0016-3287\(86\)90074-1](https://doi.org/10.1016/0016-3287(86)90074-1)
- Priyadarshini, R., Hamzah, A., & Widjajani, B. W. (2019). Carbon Stock Estimates due to Land Cover Changes at Sumber Brantas Sub-Watershed, East Java. *Caraka Tani: Journal of Sustainable Agriculture*, 34(1), 1. <https://doi.org/10.20961/carakatani.v34i1.27124>
- Priyono, P., & Priyanti, A. (2018). Perspective on the Production Availability of Animal Protein Source from Livestock in Indonesia. *Indonesian Bulletin of Animal and Veterinary Sciences*, 28(1), 23. <https://doi.org/10.14334/wartazoa.v28i1.1410>
- Pudup, M. B. (2008). It takes a garden: Cultivating citizen-subjects in organized garden projects. *Geoforum*, 39(3), 1228–1240. <https://doi.org/10.1016/j.geoforum.2007.06.012>
- Purba, R. P. C., Sitorus, B., & Sembiring, M. (2014). Kajian Kesuburan Tanah di Desa Sihiong, Sinar Sabungan dan Lumban Lobu Kecamatan Bonatua Lunasi Kabupaten Toba Samosir. *Jurnal Agroekoteknologi*, 2(4), 1490–1499. <https://jurnal.usu.ac.id/index.php>
- Purbasari, D. P. (2016). *Transformasi Pertanian Indonesia 2.0*. <http://www.perhepi.org/wp-content>
- Putri, R. K., Nurmalina, R., & Burhanuddin, B. (2018). Analisis efisiensi dan faktor yang memengaruhi pilihan saluran pemasaran. *Mix: Jurnal Ilmiah Manajemen*, 8(1), 109. <https://doi.org/10.22441/mix.2018.v8i1.007>
- Rabearisoa, A. L., & Zorzi, E. (2013). An Economic Return to Education In Small-Scale Fisheries In North-East Madagascar. *Western Indian Ocean Journal Marine Sciences*, 12(2), 185–188.
- Radhinal, Y., & Ariyanto. (2017). Koeksistensi Dualisme Ekonomi di Kawasan Metropolitan Mamminasata. *Plano Madani*, 6(1), 97–107. <http://journal.uin-alauddin.ac.id/index.php>
- Rahim, A., Hastuti, D. R. D., & Bustanul, N. (2018). Estimation of household consumption expenditure of small-scale fishermen in Indonesia. *Russian Journal of Agricultural and Socio-Economic Sciences*, 83(11), 375–383. <https://doi.org/10.18551/rjoas.2018-11.45>
- Rahim, A., Hastuti, D. R. D., Firmansyah, Sabar, W., & Syam, A. (2019). The Applied of Cobb-Douglas Production Function with Determinants Estimation of Small-Scale Fishermen's Catches Productions. *International Journal of Oceans and Oceanography*, 13(1), 81–85. <https://www.ripublication.com/ijoo.htm>

- Rahim, Abd., & Hastuti, D. R. D. (2018). Applied Multiple Regression Method with Exponential Functions: an Estimation of Traditional Catch Fishermen Household Income. *Journal of Physics: Conference Series*, 1028, 012177. <https://doi.org/10.1088/1742-6596/1028/1/012177>
- _____. (2018). Applied Multiple Regression Method with Exponential Functions: An Estimation of Traditional Catch Fishermen Household Income. *Journal of Physics: Conference Series*, 1028(1). <https://doi.org/10.1088/1742-6596/1028/1/012177>
- Rahim, Abd., Hastuti, D.R.D., & Syam, U. (2019). Estimation Comparison of Small-Scale Fisherman Decision on Choice Fishing Gear and Outboard Engine Power. *Journal of Engineering and Applied Sciences*, 15(2), 574–580. <https://doi.org/10.36478/jeasci.2020.574.580>
- Ramdhanie, V., Pemberton, C., & Granderson, I. (2017). Socio-economic factors affecting household food expenditure in North Trinidad. *Tropical Agriculture*, 94(1), 20–30. <https://www.mcgill.ca/globalfoodsecurity>
- Rani, O. M., & Hidayat, M. A. (2020). Budaya konsumerisme petani perkotaan: studi gaya hidup petani di Kelurahan Jeruk, Lakarsantri, Surabaya. *Jurnal Analisa Sosiologi*, 9(2), 452–477. <https://jurnal.uns.ac.id/jas>
- Rauf, A., Rahmawaty, & Said, D. B. T. J. (2013). Sistem pertanian terpadu di lahan pekarangan mendukung ketahanan pangan berkelanjutan dan berwawasan lingkungan. *Jurnal Pertanian Tropik*, 1(1), 1–8. <https://doi.org/10.32734/jpt.v1i1.2864>
- Rauf, J., & Rasbawati. (2015). Kajian Potensi Limbah Pertanian sebagai Pakan Ternak Sapi Potong di Kota Pare-Pare. *Jurnal Galung Tropika*, 4(3), 173–178. <https://dx.doi.org/10.31850/jgt.v4i3.121>
- Redies, C. (2014). Beauty: Neglected, but alive and kicking. *British Journal of Psychology*, 105(4), 468–470. <https://doi.org/10.1111/bjop.12083>
- Rezai, G., Jones, M., Saadé, R. G., Roschk, H., & Hosseinpour, M. (2019). Urban Agriculture as Cooperative Service and Its Contribution to Food Security -- Participants and Nonparticipants Perspective. In M. Bruhn & K. Hadwich (Eds.), *Kooperative Dienstleistungen: Spannungsfelder zwischen Service Cooperation und Service Coopetition* (pp. 113–129). Springer Fachmedien Wiesbaden. https://doi.org/10.1007/978-3-658-26389-8_6
- Ridwan, I. R. (2016). Faktor-faktor penyebab dan dampak konversi lahan pertanian. *Jurnal Geografi Gea*, 9(2). <https://doi.org/10.17509/gea.v9i2.2448>
- Rijal, S. (2018). Kebutuhan Ruang Terbuka Hijau di Kota Makassar Tahun 2017. *Jurnal Hutan Dan Masyarakat*, 3(1), 65–77.

- Riyadi, & Bratakusumah, D. S. (2005). *Perencanaan Pembangunan Daerah*. Gramedia Pustaka Utama. Jakarta
- Rizal, F., & Herdiansyah, G. (2016). Analisis Potensi Lahan Pertanian Pangan untuk Mendukung Ketahanan Pangan Kota Bandung. *Teknotan*, 10(1), 61–67. <http://jurnal.unpad.ac.id/teknotan>
- Rokhmah, N. A., Ammatillah, C. S., & Sastro, Y. (2014). Vertiminaponik, Mini Akuaponik untuk Lahan Sempit di Perkotaan. *Buletin Pertanian Perkotaan*, 4(2), 14–22. <http://jakarta.litbang.pertanian.go.id/ind>
- Rompas, J., Engka, D., & Tolosang, K. (2015). Potensi Sektor Pertanian dan Pengaruhnya terhadap Penyerapan Tenaga Kerja di Kabupaten Minahasa Selatan. *Jurnal Berkala Ilmiah Efisiensi*, 15(4), 124–136. <https://ejournal.unsrat.ac.id/index.php>
- Rungkat, F., & Zakaria. (2006). Ketahanan Pangan Sebagai Wujud Hak Asasi Manusia atas Kecukupan Pangan. In J. Sutanto (Ed.), *Revitalisasi Pertanian dan Dialog Peradaban* (pp. 236–270). Kompas Media Nusantara. Jakarta.
- Rusdiana, S., Adiati, U., & Hutasoit, R. (2016). Analisis ekonomi usaha ternak sapi potong berbasis agroekosistem di Indonesia. *Agriekonomika*, 5(2), 137–149. <https://doi.org/10.21107/agriekonomika.v5i2.1794>
- Rusdiana, S., & Maesya, A. (2017). Pertumbuhan ekonomi dan kebutuhan pangan di Indonesia. *Agriekonomika*, 6(1), 12–25. <https://doi.org/10.21107/agriekonomika.v6i1.1795>
- Rusida. (2016). Potensi Pengembangan Pertanian Perkotaan untuk Mewujudkan Kawasan Perkotaan Belopa yang Berkelanjutan. *Plano Madani*, 5(2), 125–135. <https://dx.doi.org/10.24252/planomadani.5.2.3>
- Sacson, P. (2018). Water for agriculture, irrigation management. *Applied Soil Ecology*, 123, 793–796. <https://doi.org/10.1016/j.apsoil.2017.10.037>
- Salisbury, F. B., & Ross, C. W. (1978). *Plant Physiology*. Wadsworth Publishing Company. Belmont.
- Salman, D. (2016). *Sosiologi Desa: Revolusi Senyap dan Tarian Kompleksitas*. Innawa. Makassar.
- Samadi, S., Usman, Y., & Delima, M. (2010). Kajian Potensi Limbah Pertanian Sebagai Pakan Ternak Ruminansia di Kabupaten Aceh Besar. *Jurnal Agripet*, 10(2), 45–53. <https://doi.org/10.17969/agripet.v10i2.644>
- Sampeliling, S., Sitorus, S. R. P., Nurisyah, S., & Pramudya, B. (2012). Kebijakan Pengembangan Pertanian Kota Berkelanjutan: Studi Kasus

- di DKI Jakarta. *Analisis Kebijakan Pertanian*, 10(3), 257–267. <https://media.neliti.com/media>
- Santosa, S., Umar, M. R., Priosambodo, D., & Santosa, R. A. P. (2020). Estimation of biomass, carbon stocks and leaf litter decomposition rate in teak *Tectona grandis* Linn plantations in city forest of Hasanuddin University, Makassar. *International Journal of Plant Biology*, 11(1), 32–35. <https://doi.org/10.4081/pb.2020.8541>
- Savory, A., & Duncan, T. (2015). Regenerating Agriculture to Sustain Civilization. In *Land Restoration: Reclaiming Landscapes for a Sustainable Future* (Vol. 1). Elsevier Inc. <https://doi.org/10.1016/B978-0-12-801231-4.00023-9>
- Seidl, I., & Tisdell, C. A. (1999). Carrying capacity reconsidered: from Malthus' population theory to cultural carrying capacity. *Ecological Economics*, 31(3), 395–408. [https://doi.org/10.1016/S0921-8009\(99\)00063-4](https://doi.org/10.1016/S0921-8009(99)00063-4)
- Sekhampu, T. J., & Niyimbanira, F. (2013). Analysis Of The Factors Influencing Household Expenditure In A South African Township. *International Business & Economics Research Journal (IBER)*, 12(3), 279. <https://doi.org/10.19030/iber.v12i3.7671>
- Serin, V., Bayyurt, N., & Civan, A. (2009). Effects of Formal Education and Training on Farmers Income. *European Journal of Social Sciences*, 7(3), 52–62. <https://doi.org/10.12738/estp.2015.2.235>
- Setiawan, B., & Rahmi, D. H. (2004). Ketahanan Pangan, Lapangan Kerja, dan Keberlanjutan Kota: Studi Pertanian Kota di Enam Kota Indonesia No Title. In *Warta Penelitian*. <http://i-lib.ugm.ac.id/jurnal>
- Shankar, S., & Shikha. (2018). Impacts of Climate Change on Agriculture and Food Security. In R. L. Singh & S. Mondal (Eds.), *Biotechnology for Sustainable Agriculture* (pp. 207–234). Elsevier. <https://doi.org/10.1016/B978-0-12-812160-3.00007-6>
- Shapiro, D. (1990). Farm size, household size and composition, and women's contribution to agricultural production: Evidence from Zaire. *Journal of Development Studies*, 27(1), 1–21. <https://doi.org/10.1080/00220389008422179>
- Shi, Y., Lv, D., & He, J. (2020). Landscape evaluation of urban parks based on SBE and AHP: a case study of Kunming City. *IOP Conference Series: Earth and Environmental Science*, 580, 012016. <https://doi.org/10.1088/1755-1315/580/1/012016>
- Shular, C. F., Arruda, J. E., Greenier, K. D., & Pratt, M. (2005). Sex Differences in Visual Perception Using Stereopsis. *Psi Chi Journal of Undergraduate Research*, 10(4), 139–144. <https://psichi.org/resource>

- Siagian, S. P. (2008). *Manajemen Sumber Daya Manusia* (16th ed.). Bumi Aksara. Jakarta.
- Siahaan, N. H. T. (2004). *Hukum Lingkungan dan Ekologi Pembangunan*. Erlangga. Jakarta.
- Singh, I., Squire, L., & Strauss, J. (1986). *Agricultural Household Models: Extensions, Applications, and Policy*. The Johns Hopkins University Press. Baltimore.
- Singh, K. (2007). *Quantitative Social Research Methods*. Sage Publications India Pvt Ltd. New Delhi.
- Siregar, H., & Hasanah, H. (2011). Infrastruktur sebagai Pilar Pembangunan Pertanian yang Efisien. *Agrimedia*, 10(2), 4–10.
- Skřivanová, Z., Kalivoda, O., & Sklenička, P. (2014). Driving factors for visual landscape preferences in protected landscape areas. *Scientia Agriculturae Bohemica*, 45(1), 36–43. <https://doi.org/10.7160/sab.2014.450105>
- Slabinski, J. M. (2013). From Wasteland To Oasis: How Pennsylvania Can Appropriate Vacant Urban Land Into Functional Space Via Urban Farming. *Widener Law Journal*, 22, 253–287.
- Smith, L. G., Kirk, G. J. D., Jones, P. J., & Williams, A. G. (2019). The greenhouse gas impacts of converting food production in England and Wales to organic methods. *Nature Communications*, 10(1), 4641. <https://doi.org/10.1038/s41467-019-12622-7>
- Smith, P. (2004). Carbon sequestration in croplands: the potential in Europe and the global context. *European Journal of Agronomy*, 20(3), 229–236. <https://doi.org/10.1016/j.eja.2003.08.002>
- Somantri, G. . (2006). Masalah Pangan dan Revitalisasi Ilmu Sosial: Sebuah Usul untuk Mengembangkan Sosiologi Konvergen. In J. Sutanto (Ed.), *Revitalisasi Pertanian dan Dialog Peradaban* (pp. 466–468). Kompas Media Nusantara. Jakarta.
- Sowińska-Świerkosz, B. N., & Chmielewski, T. J. (2016). A new approach to the identification of Landscape Quality Objectives (LQOs) as a set of indicators. *Journal of Environmental Management*, 184, 596–608. <https://doi.org/10.1016/j.jenvman.2016.10.016>
- Sraboni, E., Malapit, H. J., Quisumbing, A. R., & Ahmed, A. U. (2014). Women's Empowerment in Agriculture: What Role for Food Security in Bangladesh? *World Development*, 61, 11–52. <https://doi.org/10.1016/j.worlddev.2014.03.025>
- Sriyanti, D., Yoza, D., & Arlita, T. (2017). Persepsi Masyarakat Mengenai Pembukaan Lahan Tanpa Bakar dan Insentifnya terhadap Upaya

- Pencegahan dan Penanggulangan Kebakaran Hutan di Desa Rimbo Panjang kabupaten Kampar. *Jurnal Ilmu-Ilmu Kehutanan*, 1(1), 26–34. <https://ejournal.unri.ac.id/index.php>
- Stevanus, C. T., & Sahuri. (2014). Potensi Peningkatan Penyerapan Karbon di Perkebunan Karet Sembawa Sumatera Selatan. *Widyariset*, 17(3), 363–371. <https://dx.doi.org/10.14203/widyariset.17.3.2014.363-371>
- Stevens, A., van Wesemael, B., Vandenschrick, G., Touré, S., & Tychon, B. (2006). Detection of Carbon Stock Change in Agricultural Soils Using Spectroscopic Techniques. *Soil Science Society of America Journal*, 70(3), 844–850. <https://doi.org/10.2136/sssaj2005.0025>
- Subair. (2015). Relevansi Teori Malthus dalam Diskursus Kependudukan Kontemporer. *Dialektika*, 9(2), 96–110. <http://jurnal.iainambon.ac.id/index.php>
- Subejo. (2011). Pembangunan Pertanian Visioner Menuju Kejayaan Bangsa. In J. Sutanto (Ed.), *The Dancing Leader* (p. 325). Kompas Media Nusantara. Jakarta.
- Suharyanto, N.-. (2018). Faktor-faktor yang mempengaruhi persepsi petani terhadap kebijakan perlindungan lahan pertanian pangan berkelanjutan di Provinsi Bali. *Jurnal Pengkajian Dan Pengembangan Teknologi Pertanian*, 20(2), 111. <https://doi.org/10.21082/jpopt.v20n2.2017.p111-124>
- Supanggih, D., & Widodo, S. (2013). Aksesibilitas Petani terhadap Lembaga Keuangan (Studi Kasus Pada Petani di Desa Sidodadi Kecamatan Sukosewu Kabupaten Bojonegoro). *Agriekonomika*, 2(2), 163–173. <https://www.academia.edu/12898362>
- Suryandari, R. Y. (2010). Pengembangan Pertanian Perkotaan Impian Mewujudkan Kota yang Berkelanjutan. *Planesa*, 1(2), 106–112. <https://ejournal.esaunggul.ac.id/index.php>
- Suryani, E., & Rachman, H. P. S. (2008). Perubahan Pola Konsumsi Pangan Sumber Karbohidrat di Pedesaan. *Pangan*, 52(17), 13–25. <https://dx.doi.org/10.33964/jp.v17i3.264>
- Susanti, I. S., N. Ali, R., & Rohani, S. (2017). Fluktuasi Harga Jagung sebagai Bahan Pakan Ternak pada Peternakan X di Kecamatan Wonomulyo. *Seminar Nasional Peternakan*, 217–221. http://www.unhas.ac.id/semnas_peternakan
- Suseno, D., & Suyatnal, H. (2007). Mewujudkan Kebijakan. *Jurnal Ilmu Sosial Dan Ilmu Politik*, 10(3), 267–294. <https://doi.org/10.22146/JSP.11008>
- Sution. (2017). Teknologi Budidaya Padi Gogo di Kalimantan Barat, Kabupaten Sanggau (Studi Kasus di Kecamatan Balai). *Jurnal*

- Pertanian Agros*, 19(1), 77–87. <http://e-journal.janabadra.ac.id/index.php>
- Svobodova, K., Sklenicka, P., Molnarova, K., & Vojar, J. (2014). Does the composition of landscape photographs affect visual preferences? The rule of the Golden Section and the position of the horizon. *Journal of Environmental Psychology*, 38, 143–152. <https://doi.org/10.1016/j.jenvp.2014.01.005>
- Syahbuddin, H. (2005). Jangan Lupa Swasembada Pangan. *Inovasi*, 4(17), 2–7. <https://www.academia.edu/3636594>
- Tahir, M. M., & Riskasari. (2015). Penertiban Pedagang Kaki Lima (PKL) Menuju Makassar Kota Dunia. *Jurnal Analisis Kebijakan Dan Pelayanan Publik*, 1(2), 193–207. <http://journal.unhas.ac.id/index.php>
- Tao, Y., Li, F., Liu, X., Zhao, D., Sun, X., & Xu, L. (2015). Variation in ecosystem services across an urbanization gradient: A study of terrestrial carbon stocks from Changzhou, China. *Ecological Modelling*, 318, 210–216. <https://doi.org/10.1016/j.ecolmodel.2015.04.027>
- Tao, Y., Li, F., Wang, R., & Zhao, D. (2015). Effects of land use and cover change on terrestrial carbon stocks in urbanized areas: a study from Changzhou, China. *Journal of Cleaner Production*, 103, 651–657. <https://doi.org/10.1016/j.jclepro.2014.07.055>
- Tapsin, G., & Hepsag, A. (2014). An analysis of household consumption expenditures in EA-18. *European Scientific Journal, ESJ*, 10(16 SE-Articles). <https://doi.org/10.19044/esj.2014.v10n16p%p>
- Tennigkeit, T., Solymosi, K., Seebauer, M., & Lager, B. (2013). Carbon Intensification and Poverty Reduction in Kenya: Lessons from the Kenya Agricultural Carbon Project. *Field ACTions Science Reports*, 7. <https://journals.openedition.org/factsreports>
- The United Nation World Commission on Environment and Development. (1987). *Our Common Future*. <https://sswm.info/sites>
- Thibert, J. (2012). Making Local Planning Work for Urban Agriculture in the North American Context. *Journal of Planning Education and Research*, 32(3), 349–357. <https://doi.org/10.1177/0739456X11431692>
- Thornbush, M. (2015). Urban agriculture in the transition to low carbon cities through urban greening. *AIMS Environmental Science*, 2(3), 852–867. <https://doi.org/10.3934/environsci.2015.3.852>
- Tjokroamidjojo, B. (1994). *Perencanaan Pembangunan* (12th ed.). Haji Masagung. Jakarta.
- Todaro, M. P. (2000). *Pembangunan Ekonomi di Dunia Ketiga* (H. Munandar (trans.); Ketujuh). Erlangga. Jakarta.

- Ula, M., Sa'adah, & Amiin, M. K. (2015). Sustainable Agriculture system (Sac-S): Inovasi Konsep Pertanian Urban Sebagai Pembangunan Berkelanjutan Dan Upaya Penanganan Masalah Perkotaan. *Prosiding Elektronik Pimnas*, 43. <http://artikel.dikti.go.id/index.php>
- Usmadi, D., Wahyuni, S., & Riswati, M. K. (2011). Potensi Dipterocarpaceae sebagai Penyerap CO₂ dan Penyimpan Karbon di Kebun Raya Bogor. *Prosiding Seminar Nasional Konservasi Tumbuhan Tropika: Kondisi Terkini Dan Tantangan Ke Depan*, 46. <http://krbogor.lipi.go.id/id>
- Utami, J. P., & Ayu, S. F. (2018). Food and Non-Food Consumption Expenditure In Medan City and Its Affecting Factors (Case Study of Java and Batak Tribes). *Proceedings of the 2nd International Conference on Social and Political Development (ICOSOP 2017)*. <https://doi.org/10.2991/icosop-17.2018.75>
- Valley, W., & Wittman, H. (2019). Beyond feeding the city: The multifunctionality of urban farming in Vancouver, BC. *City, Culture and Society*, 16, 36–44. <https://doi.org/10.1016/j.ccs.2018.03.004>
- VandenBygaart, A. J., & Angers, D. A. (2006). Towards accurate measurements of soil organic carbon stock change in agroecosystems. *Canadian Journal of Soil Science*, 86(3), 465–471. <https://doi.org/10.4141/S05-106>
- Vandecasteele, J., Beyene, S. T., Minten, B., & Swinnen, J. (2018). Cities and agricultural transformation in Africa: Evidence from Ethiopia. *World Development*, 105, 383–399. <https://doi.org/10.1016/j.worlddev.2017.10.032>
- Vanston, J. E., & Strother, L. (2017). Sex differences in the human visual system. *Journal of Neuroscience Research*, 95(1–2), 617–625. <https://doi.org/10.1002/jnr.23895>
- Vermeiren, K., Adiyia, B., Loopmans, M., Tumwine, F. R., & Van Rompaey, A. (2013). Will urban farming survive the growth of African cities: A case-study in Kampala (Uganda)? *Land Use Policy*, 35, 40–49. <https://doi.org/10.1016/j.landusepol.2013.04.012>
- Victor, K., Massawe, F. A., & Sikira, A. (2018). Contribution of Integrated Urban Agriculture to Household Income: A Case of Kinondoni Municipality, Tanzania. *Journal of Agricultural Sciences – Sri Lanka*, 13(3), 237. <https://doi.org/10.4038/jas.v13i3.8397>
- Vitiello, D., & Brinkley, C. (2014). The Hidden History of Food System Planning. *Journal of Planning History*, 13(2), 91–112. <https://doi.org/10.1177/1538513213507541>
- Wang, J., He, T., & Lin, Y. (2018). Changes in ecological, agricultural, and urban land space in 1984–2012 in China: Land policies and regional

- social-economical drivers. *Habitat International*, 71(February 2017), 1–13. <https://doi.org/10.1016/j.habitatint.2017.10.010>
- Weidner, T., Yang, A., & Hamm, M. W. (2019). Consolidating the current knowledge on urban agriculture in productive urban food systems: Learnings, gaps and outlook. *Journal of Cleaner Production*, 209, 1637–1655. <https://doi.org/10.1016/j.jclepro.2018.11.004>
- Weissman, E. (2015). Entrepreneurial endeavors: (re)producing neoliberalization through urban agriculture youth programming in Brooklyn, New York. *Environmental Education Research*, 21(3), 351–364. <https://doi.org/10.1080/13504622.2014.993931>
- Weltin, M., Zasada, I., Franke, C., Piorr, A., Raggi, M., & Viaggi, D. (2017). Analysing behavioural differences of farm households: An example of income diversification strategies based on European farm survey data. *Land Use Policy*, 62, 172–184. <https://doi.org/10.1016/j.landusepol.2016.11.041>
- Widodo, S. (2009). Proses Transformasi Pertanian dan Perubahan Sosial pada Masyarakat Samin di Bojonegoro. *Embryo*, 6(1), 57–66. <http://pertanian.trunojoyo.ac.id/wp-content>
- Wielemaker, R., Oenema, O., Zeeman, G., & Weijma, J. (2019). Fertile cities: Nutrient management practices in urban agriculture. *Science of The Total Environment*, 668, 1277–1288. <https://doi.org/10.1016/j.scitotenv.2019.02.424>
- Williams, K. (2010). Sustainable cities: research and practice challenges. *International Journal of Urban Sustainable Development*, 1(1–2), 128–132. <https://doi.org/10.1080/19463131003654863>
- Winardi. (2013). Profil Pertanian Terpadu Lahan Pekarangan di Kota Padang: Tinjauan Budidaya Pertanian. *Pertanian Tropik*, 1(1), 21–32. <https://jurnal.usu.ac.id/index.php>
- Wójcik, M., Jeziorska-Biel, P., & Czapiewski, K. (2019). Between words: A generational discussion about farming knowledge sources. *Journal of Rural Studies*, 67, 130–141. <https://doi.org/10.1016/j.jrurstud.2019.02.024>
- Xie, J., Luo, S., Furuya, K., & Sun, D. (2020). Urban Parks as Green Buffers During the COVID-19 Pandemic. *Sustainability*, 12(17), 6751. <https://doi.org/10.3390/su12176751>
- Yagi, H., & Garrod, G. (2018). The future of agriculture in the shrinking suburbs: The impact of real estate income and housing costs. *Land Use Policy*, 76, 812–822. <https://doi.org/10.1016/j.landusepol.2018.03.013>
- Yotopoulos, P. A., & Lau, J. . (1973). Test for Relative Economics Efficiency: Same Further Result. *Journal The American Economics Review*, 63(1),

214–223. <https://econpapers.repec.org/scripts>

- Yue, Q., Xu, X., Hillier, J., Cheng, K., & Pan, G. (2017). Mitigating greenhouse gas emissions in agriculture: From farm production to food consumption. *Journal of Cleaner Production*, *149*, 1011–1019. <https://doi.org/10.1016/j.jclepro.2017.02.172>
- Yusof, S. A., & Duasa, J. (2010). Household Decision-Making and Expenditure Patterns of Married Men and Women in Malaysia. *Journal of Family and Economic Issues*, *31*(3), 371–381. <https://doi.org/10.1007/s10834-010-9200-9>
- Yusoff, N. H., Mohd Hussain, M. R., & Tukiman, I. (2017). Roles of community towards urban farming activities. *Planning Malaysia Journal*, *15*(1). <https://doi.org/10.21837/pmjournal.v15.i6.243>
- Yusuf, S., Balogun, O., & Falegbe, O. (2015). Effect of urban household farming on food security status in Ibadan metropolis, Oyo State, Nigeria. *Journal of Agricultural Sciences, Belgrade*, *60*(1), 61–75. <https://doi.org/10.2298/JAS1501061Y>
- Zain, M. M. (2015). *Keunggulan Komparatif Beras Sulsel*. Fahmis Pustaka. Makassar.
- Zani, M., Saediman, H., Abdullah, S., Daud, L., & Yunus, L. (2019). Determinants of Household Food Expenditure in a Cassava Growing Village in Southeast Sulawesi. *Academic Journal of Interdisciplinary Studies*, *8*(3 SE-Articles). <http://www.richtmann.org/journal>
- Zella, A. Y. (2018). Effects of Urban Farming Practices on Income Poverty Reduction in Dodoma Municipality, Tanzania. *Current Investigations in Agriculture and Current Research*, *3*(3), 354–367. <https://doi.org/10.32474/CIACR.2018.03.000161>
- Zeza, A., & Tasciotti, L. (2010). Urban agriculture, poverty, and food security: Empirical evidence from a sample of developing countries. *Food Policy*, *35*(4), 265–273. <https://doi.org/10.1016/j.foodpol.2010.04.007>
- Zinn, Y. L., Lal, R., & Resck, D. V. S. (2005). Changes in soil organic carbon stocks under agriculture in Brazil. *Soil and Tillage Research*, *84*(1), 28–40. <https://doi.org/10.1016/j.still.2004.08.007>

Lampiran 1. Karakteristik petani

Uraian	Tamalate (jiwa)		Biringkanaya (jiwa)		Manggala (jiwa)		Tamalanrea (jiwa)	
	petani	wanita tani	petani	wanita tani	petani	wanita tani	petani	wanita tani
Umur (tahun)								
≤ 29	0	2	0	3	0	0	0	1
30-39	10	5	7	23	6	12	3	11
40-49	27	11	22	18	18	20	14	11
50-59	16	3	9	12	11	16	6	13
≥ 60	4	0	6	0	4	1	2	0
Rata-rata	47.95	42.52	47.66	41.05	47.40	45.77	47.11	44.11
Pendidikan formal								
Tidak tamat SD	7	0	1	0	2	0	2	0
SD	18	4	13	8	13	8	5	5
SMP	18	7	13	15	13	16	6	11
SMA	13	7	14	21	10	15	9	14
Perguruan Tinggi	1	3	3	12	1	10	3	6
Rata-rata	7.95	10.33	8.36	10.95	8.23	10.57	10.00	10.75
Anggota keluarga yang bekerja								
1 – 2	51	18	36	50	33	44	15	34
3 – 4	6	3	8	6	6	5	10	2
Rata-rata	1.58	1.76	1.82	1.68	1.87	1.69	2.28	1.64
Anggota keluarga yang ditanggung								
0	0	0	1	0	1	0	1	0
1 – 2	15	0	10	3	4	3	5	2
3 – 4	30	14	24	32	18	23	10	18
5 – 6	12	7	9	20	16	22	9	14
≥ 7	0	0	0	1	0	1	0	2
Rata-rata	3.63	4.19	3.75	4.07	4.00	4.26	4.72	4.31

Lampiran 1. (lanjutan)

Uraian	Tamalate (jiwa)		Biringkanaya (jiwa)		Manggala (jiwa)		Tamalanrea (jiwa)	
	petani	wanita tani	petani	wanita tani	petani	wanita tani	petani	wanita tani
Pengalaman usahatani (tahun)								
≤ 5	2	9	1	40	1	33	9	26
6-15	33	11	21	16	19	16	13	10
16-25	18	1	15	0	17	0	2	0
26-35	2	0	7	0	2	0	0	0
36-45	2	0	0	0	0	0	1	0
Rata-rata	14.06	6.8	15.16	4.39	14.73	4.37	11.55	4.42

Lampiran 2. Rata-rata produksi usahatani

Uraian	Harga jual (Rp)	Kuantitas (kg)	Dijual (kg)	Konsumsi sendiri (kg)
1. Padi				
Tamalate	4,779.82	2,038.86	130.70	1,908.16
Biringkanaya	4,799.65	2,744.32	131.82	2,612.50
Manggala	4,785.08	4,463.08	150.00	4,313.08
Tamalanrea	4,808.51	1,432.20	132.00	1,300.20
2. Bayam				
Tamalate	1,000.00	45.49	42.86	2.63
Biringkanaya	1,230.77	50.42	48.21	2.21
Manggala	1,142.86	39.91	37.50	2.41
Tamalanrea	1,100.00	3.13	0	3.13
3. Kangkung				
Tamalate	1,000	31.64	27.38	4.26
Biringkanaya	1,111.11	37.18	34.17	3.01
Manggala	1,000.00	36.99	32.87	4.12
Tamalanrea	1,000.00	4.01	0	4.01
4. Pokcoy/ sawi				
Tamalate	2,692.31	46.17	41.79	4.38
Biringkanaya	2,766.67	48.12	44.71	3.41
Manggala	2,071.43	35.89	31.25	4.64
Tamalanrea	2,285.71	47.77	43.75	4.02
5. Cabai				
Tamalate	38,000.00	1.60	1.00	0.60
Biringkanaya	36,272.73	2.02	1.63	0.39

Lampiran 2. (lanjutan)

Uraian	Harga jual (Rp)	Kuantitas (kg)	Dijual (kg)	Konsumsi sendiri (kg)
Manggala	36,000.00	2.56	2.15	0.41
Tamalanrea	36,285.71	2.57	2.00	0.57
6. Terong				
Tamalate	1,416.67	3.90	3.00	0.90
Biringkanaya	1,157.89	5.91	5.00	0.91
Manggala	1,000.00	0.76	0	0.76
Tamalanrea	1,083.33	5.08	4.00	1.08
7. Tomat				
Tamalate	13,833.33	2.08	1.50	0.58
Biringkanaya	13,320.00	1.52	1.13	0.39
Manggala	13,500.00	1.98	1.50	0.48
Tamalanrea	13,500.00	3.00	2.50	0.50
8. Okra				
Tamalate	30,000.00	2.58	2.00	0.58
Biringkanaya	32,187.50	1.68	1.25	0.43
Manggala	31,500.00	3.13	2.50	0.63
Tamalanrea	32,857.14	1.89	1.50	0.39
9. Bunga kol				
Tamalate	20,666.67	1.00	0	1.00
Biringkanaya	20,500.00	3.09	2.25	0.84
Manggala	20,000.00	3.35	2.50	0.85
Tamalanrea	20,000.00	3.10	2.00	1.10

Lampiran 3. Pendapatan rumah tangga

Uraian	Pendapatan usahatani (Rp/bulan)	Pendapatan non-usahatani (Rp/bulan)	Pendapatan rumah tangga (Rp/bulan)	Pendapatan usahatani (Rp/tahun)	Pendapatan non-usahatani (Rp/tahun)	Pendapatan rumah tangga (Rp/tahun)
1. Petani						
Tamalate	1,915,500.44	3,442,982.46	5,358,482.89	22,986,005.26	41,315,789.47	64,301,794.74
Biringkanaya	2,634,448.29	3,346,590.91	5,981,039.20	31,613,379.55	40,159,090.91	71,772,470.45
Manggala	4,671,249.81	3,455,128.20	8,126,378.01	56,054,997.69	41,461,538.46	97,516,536.15
Tamalanrea	1,154,056.67	3,640,000.00	4,794,056.67	13,848,680.00	43,680,000.00	57,528,680.00
2. Wanita tani						
Tamalate	231,457.14	3,416,666.67	3,648,123.81	2,777,485.71	41,000,000.00	43,777,485.71
Biringkanaya	130,653.35	3,772,321.43	3,902,974.78	1,567,840.18	45,267,857.14	46,835,697.32
Manggala	735,669.76	2,383,466.98	3,119,136.74	723,051.98	42,902,393.40	43,625,445.38
Tamalanrea	40,619.27	3,881,944.44	3,922,563.71	487,431.25	46,583,333.33	47,070,764.58

Lampiran 4. Perbandingan konsumsi pangan dan Pola Pangan Harapan Nasional

Kelompok pangan	PPH Nasional (gr)	Konsumsi aktual (gr)							
		Tamalate		Biringkanaya		Manggala		Tamalanrea	
		Petani	Wanita tani	Petani	Wanita tani	Petani	Wanita tani	Petani	Wanita tani
Padi-padian	290	358.28	343.95	346.44	335.39	327.35	303.32	324.76	297.49
Umbi-umbian	108	34.44	14.05	36.48	18.04	9.99	14.04	25.15	21.85
Pangan hewani	161	497.29	542.77	430.68	530.74	419.37	556.15	412.42	510.96
Minyak dan lemak	22	32.93	28.95	29.62	33.44	28.63	31.19	34.29	32.01
Buah dan biji									
berminyak	11	18.84	28.55	26.58	31.18	28.5	25.97	32.69	28.43
Kacang-kacangan	38	112.23	105.46	124.76	106.15	120.01	101.12	108.76	86.84
Gula	32	40.38	36.19	36.06	33.64	41.65	36.42	34.36	33.32
Sayur dan buah	269	199.18	209.46	210.09	219.86	204.76	220.66	211.36	233.89
Lainnya	-	110.43	72.51	86.94	65.79	74.89	58.63	58.69	56.94

Lampiran 5. Konsumsi pangan rumah tangga

Uraian		Tamalate	Biringkanaya	Manggala	Tamalanrea	Rata-rata
1. Makanan pokok	Petani	40,833.33	35,416.67	39,500.00	44,666.67	40,104.17
	Wanita Tani	191,190.48	183,910.71	178,877.55	203,750.00	189,432.18
2. Sayuran	Petani	118,070.17	138,227.27	166,743.59	170,360.00	148,350.26
	Wanita Tani	94,285.71	105,964.29	116,632.65	111,833.33	107,178.99
3. Buah	Petani	43,767.86	43,404.76	43,583.33	51,052.63	45,452.15
	Wanita Tani	34,210.53	50,269.23	47,972.22	44,785.71	44,309.42
4. Makanan kering	Petani	52,000.00	48,727.27	59,307.69	58,360.00	54,598.74
	Wanita Tani	43,476.19	49,125.00	50,510.20	49,777.78	48,222.29
5. Daging	Petani	527,929.82	591,340.91	603,923.08	576,280.00	574,868.45
	Wanita Tani	534,476.19	667,589.29	626,306.12	642,694.44	617,766.51
6. Lauk pauk lainnya	Petani	21,106.38	22,031.25	20,882.35	17,909.09	20,482.27
	Wanita Tani	20,000.00	21,787.23	22,767.44	22,029.41	21,646.02
7. Susu/ telur	Petani	87,303.57	78,409.09	96,897.44	79,160.00	85,442.52
	Wanita Tani	72,190.48	104,625.00	100,346.94	98,638.89	93,950.33
8. Bumbu	Petani	61,078.95	66,215.91	74,756.41	75,580.00	69,407.82
	Wanita Tani	61,619.05	72,660.71	72,255.10	77,666.67	71,050.38
9. Minuman & lainnya	Petani	452,894.74	525,602.27	388,615.38	353,920.00	430,258.10
	Wanita Tani	439,285.71	461,017.86	352,959.18	345,694.44	399,739.30
Total	Petani	1,375,342.10	1,525,295.45	1,458,807.69	1,395,020.00	1,438,616.31
	Wanita Tani	1,481,761.90	1,709,857.14	1,553,112.24	1,585,694.44	1,582,606.43

Lampiran 6. Konsumsi non-pangan rumah tangga

Uraian		Tamalate	Biringkanaya	Manggala	Tamalanrea	Rata-rata
1. Listrik	Petani	177,368.42	179,318.18	167,307.69	166,600.00	172,648.57
	Wanita Tani	160,238.10	172,500.00	168,877.55	172,222.22	168,459.47
2. Air	Petani	42,571.43	41,095.24	40,080.00	39,000.00	40,686.67
	Wanita Tani	41,285.71	43,720.00	41,518.52	40,363.64	41,721.97
3. Bahan bakar	Petani	91,666.67	91,863.64	94,589.74	97,240.00	93,840.01
	Wanita Tani	88,142.86	103,017.86	99,367.35	100,888.89	97,854.24
4. Telepon/ pulsa	Petani	82,142.86	80,555.56	86,718.75	91,666.67	85,270.96
	Wanita Tani	93,750.00	110,714.29	96,428.57	107,575.76	102,117.15
5. Kebutuhan perawatan	Petani	74,473.68	75,000.00	75,897.44	79,200.00	76,142.78
	Wanita Tani	72,142.86	84,375.00	78,571.43	82,222.22	79,327.88
6. Keperluan RT	Petani	278,157.89	302,840.91	289,102.56	282,200.00	288,075.34
	Wanita Tani	270,238.10	296,071.43	284,183.67	291,527.78	285,505.24
7. Rekreasi & hiburan	Petani	253,333.33	250,000.00	140,000.00	134,090.91	194,356.06
	Wanita Tani	135,000.00	130,178.57	116,250.00	140,000.00	130,357.14
8. Transpor	Petani	264,473.68	250,000.00	286,538.46	300,800.00	275,453.04
	Wanita Tani	265,476.19	315,803.57	307,448.98	323,472.22	303,050.24
9. Arisan	Petani	117,441.86	139,130.43	133,333.33	157,142.86	136,762.12
	Wanita Tani	128,571.43	160,000.00	14,444.44	173,684.21	151,675.02
10. Kegiatan sosial	Petani	110,526.32	117,045.45	100,641.03	110,000.00	109,553.20
	Wanita Tani	83,333.33	104,017.86	93,367.35	104,861.11	96,394.91
11. Pendidikan	Petani	98,245.61	62,500.00	122,948.72	117,000.00	100,173.58
	Wanita Tani	98,809.52	105,803.57	95,312.50	119,444.44	104,842.51

Lampiran 6. (lanjutan)

Uraian		Tamalate	Biringkanaya	Manggala	Tamalanrea	Rata-rata
12. Kesehatan	Petani	76,630.43	56,666.67	80,178.57	104,736.84	79,553.13
	Wanita Tani	60,714.29	72,361.11	84,464.29	90,250.00	76,947.42
13. Angsuran/ cicilan	Petani	563,636.36	350,000.00	477,631.58	585,000.00	494,066.99
	Wanita Tani	602,500.00	445,000.00	475,000.00	526,923.08	512,355.77
14. Kegiatan agama	Petani	113,157.89	100,000.00	98,717.95	99,000.00	102,718.96
	Wanita Tani	105,952.38	94,642.86	87,755.10	101,388.89	97,434.81
15. Pakaian	Petani	174,561.40	151,704.55	161,923.08	179,800.00	166,997.26
	Wanita Tani	161,904.76	180,625.00	168,469.39	176,250.00	171,812.29
16. Peralatan RT	Petani	80,614.04	54,659.09	55,410.26	64,840.00	63,880.85
	Wanita Tani	65,952.38	58,839.29	48,816.33	56,888.89	57,624.22
17. Lainnya	Petani	153,947.37	135,322.58	159,516.13	172,826.09	155,403.04
	Wanita Tani	147,619.05	137,555.56	181,428.57	153,906.25	155,127.36
Total	Petani	2,153,456.14	1,911,931.82	2,102,871.79	2,338,360.00	2,126,654.94
	Wanita Tani	2,082,380.95	2,033,696.43	1,937,591.84	2,179,666.67	2,058,333.97

Lampiran 7. Analisis konsumsi pangan dan non-pangan rumah tangga menggunakan *Eviews versi 11 Student Lite*

Dependent Variable: KONS_RT

Method: Least Squares

Date: 12/05/20 Time: 10:34

Sample: 1 327

Included observations: 327

Huber-White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PDPT_RT	0.547689	0.029782	18.38990	0.0000
PENDPT__THN__X5_	533366.3	132014.8	4.040200	0.0001
QAGTNGG__JIWA__X7_	-511445.4	281254.7	-1.818442	0.0699
DMKTMLT__D1_	-621941.8	1213303.	-0.512602	0.6086
DMKBRKNY__D2_	-4859685.	995080.5	-4.883710	0.0000
DMKMGGL__D3_	-10549602	1116240.	-9.451011	0.0000
DMJK__D4_	16731480	1051847.	15.90677	0.0000
C	3558779.	2258413.	1.575788	0.1161
R-squared	0.670507	Mean dependent var		43145064
Adjusted R-squared	0.663277	S.D. dependent var		11170303
S.E. of regression	6481889.	Akaike info criterion		34.23108
Sum squared resid	1.34E+16	Schwarz criterion		34.32380
Log likelihood	-5588.782	Hannan-Quinn criter.		34.26808
F-statistic	92.73624	Durbin-Watson stat		1.154748
Prob(F-statistic)	0.000000	Wald F-statistic		86.86976
Prob(Wald F-statistic)	0.000000			

Variance Inflation Factors

Date: 12/05/20 Time: 10:36

Sample: 1 327

Included observations: 327

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
PDPT_RT	0.000887	33.36961	1.796429
PENDPT__THN__X5_	1.74E+10	21.14075	1.462660
QAGTNGG__JIWA__X7_	7.91E+10	13.94563	1.217533
DMKTMLT__D1_	1.47E+12	2.876268	2.273849
DMKBRKNY__D2_	9.90E+11	5.841723	2.571783
DMKMGGL__D3_	1.25E+12	2.451233	1.910273
DMJK__D4_	1.11E+12	6.102178	2.641406
C	5.10E+12	61.45780	NA

Lampiran 7. (lanjutan)

Heteroskedasticity Test: White
Null hypothesis: Homoskedasticity

F-statistic	7.026071	Prob. F(28,298)	0.0000
Obs*R-squared	130.0320	Prob. Chi-Square(28)	0.0000
Scaled explained SS	143.5567	Prob. Chi-Square(28)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 12/05/20 Time: 10:35

Sample: 1 327

Included observations: 327

Huber-White-Hinkley (HC1) heteroskedasticity consistent standard errors
and covariance

Collinear test regressors dropped from specification

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.24E+14	1.23E+14	-1.002421	0.3170
PDPT_RT^2	-0.005880	0.018110	-0.324706	0.7456
PDPT_RT*PENDPT__THN__X5_	91204.96	102343.6	0.891164	0.3736
PDPT_RT*QAGTNGG__JIWA__X7_	-248727.6	205319.5	-1.211417	0.2267
PDPT_RT*DMKTMLT__D1_	-619277.5	934376.2	-0.662771	0.5080
PDPT_RT*DMKBRKNY__D2_	395643.7	787955.9	0.502114	0.6160
PDPT_RT*DMKMGGL__D3_	2335552.	852740.9	2.738876	0.0065
PDPT_RT*DMJK__D4_	-2481556.	979441.2	-2.533645	0.0118
PDPT_RT	2970902.	3140608.	0.945964	0.3449
PENDPT__THN__X5_^2	1.48E+11	3.12E+11	0.473137	0.6365
PENDPT__THN__X5_*QAGTNGG__JIWA__X7_	-	-	-	-
PENDPT__THN__X5_*DMKTMLT__D1_	-1.84E+12	8.26E+11	-2.231193	0.0264
PENDPT__THN__X5_*DMKBRKNY__D2_	-2.06E+12	3.37E+12	-0.611765	0.5412
PENDPT__THN__X5_*DMKMGGL__D3_	-4.86E+12	2.61E+12	-1.862160	0.0636
PENDPT__THN__X5_*DMJK__D4_	-9.89E+12	2.65E+12	-3.726977	0.0002
PENDPT__THN__X5_	5.94E+12	3.61E+12	1.645774	0.1009
QAGTNGG__JIWA__X7_^2	-7.84E+11	6.27E+12	-0.124976	0.9006
QAGTNGG__JIWA__X7_*DMKTMLT__D1_	1.09E+12	1.46E+12	0.745044	0.4568
QAGTNGG__JIWA__X7_*DMKBRKNY__D2_	3.04E+12	7.44E+12	0.408968	0.6829
QAGTNGG__JIWA__X7_*DMKMGGL__D3_	1.18E+13	5.77E+12	2.052129	0.0410
QAGTNGG__JIWA__X7_*DMJK__D4_	1.37E+13	6.54E+12	2.097087	0.0368
QAGTNGG__JIWA__X7_	-7.95E+12	6.00E+12	-1.325865	0.1859
DMKTMLT__D1_^2	2.02E+13	1.68E+13	1.205333	0.2290
DMKTMLT__D1_*DMJK__D4_	1.09E+13	5.09E+13	0.213217	0.8313
DMKBRKNY__D2_^2	3.72E+13	1.88E+13	1.974682	0.0492
DMKBRKNY__D2_*DMJK__D4_	-9.95E+13	5.09E+13	-1.953511	0.0517
DMKBRKNY__D2_	5.96E+13	1.93E+13	3.085902	0.0022
DMKMGGL__D3_^2	5.96E+13	1.93E+13	3.085902	0.0022
DMKMGGL__D3_*DMJK__D4_	-2.40E+14	6.44E+13	-3.722255	0.0002
DMKMGGL__D3_	1.91E+14	3.63E+13	5.255644	0.0000
DMJK__D4_^2	9.19E+13	5.80E+13	1.583991	0.1143

Lampiran 7. (lanjutan)

R-squared	0.397651	Mean dependent var	4.10E+13
Adjusted R-squared	0.341055	S.D. dependent var	6.25E+13
S.E. of regression	5.08E+13	Akaike info criterion	66.03852
Sum squared resid	7.68E+29	Schwarz criterion	66.37463
Log likelihood	-10768.30	Hannan-Quinn criter.	66.17263
F-statistic	7.026071	Durbin-Watson stat	1.920815
Prob(F-statistic)	0.000000		

Lampiran 8. Analisis konsumsi pangan rumah tangga menggunakan *Eviews versi 11 Student Lite*

Dependent Variable: KONS_PANGAN

Method: Least Squares

Date: 12/05/20 Time: 10:54

Sample: 1 327

Included observations: 327

Huber-White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PDPT_RT	0.187322	0.015726	11.91141	0.0000
PENDPT_THN_X5_	266823.9	68082.46	3.919128	0.0001
QAGTNGG_JIWA_X7_	-110437.9	151787.5	-0.727582	0.4674
DMKTMLT_D1_	-25896.71	561942.7	-0.046084	0.9633
DMKBRKNY_D2_	444212.7	474138.6	0.936884	0.3495
DMKMGGL_D3_	-2528657.	494158.7	-5.117094	0.0000
DMJK_D4_	6904196.	566965.1	12.17746	0.0000
C	2070404.	1156724.	1.789887	0.0744
R-squared	0.521289	Mean dependent var		18250752
Adjusted R-squared	0.510784	S.D. dependent var		4830884.
S.E. of regression	3378912.	Akaike info criterion		32.92817
Sum squared resid	3.64E+15	Schwarz criterion		33.02089
Log likelihood	-5375.755	Hannan-Quinn criter.		32.96516
F-statistic	49.62465	Durbin-Watson stat		1.673047
Prob(F-statistic)	0.000000	Wald F-statistic		55.63617
Prob(Wald F-statistic)	0.000000			

Variance Inflation Factors

Date: 12/05/20 Time: 10:56

Sample: 1 327

Included observations: 327

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
PDPT_RT	0.000247	26.41136	2.046249
PENDPT_THN_X5_	4.64E+09	17.15012	1.534417
QAGTNGG_JIWA_X7_	2.30E+10	12.69765	1.197751
DMKTMLT_D1_	3.16E+11	2.263086	1.724520
DMKBRKNY_D2_	2.25E+11	2.351901	1.594270
DMKMGGL_D3_	2.44E+11	1.901916	1.427194
DMJK_D4_	3.21E+11	6.234675	2.676664
C	1.34E+12	46.65271	NA

Lampiran 8. (lanjutan)

Heteroskedasticity Test: White
 Null hypothesis: Homoskedasticity

F-statistic	3.429600	Prob. F(28,298)	0.0000
Obs*R-squared	79.69321	Prob. Chi-Square(28)	0.0000
Scaled explained SS	96.30971	Prob. Chi-Square(28)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 12/05/20 Time: 10:55

Sample: 1 327

Included observations: 327

Huber-White-Hinkley (HC1) heteroskedasticity consistent standard errors
 and covariance

Collinear test regressors dropped from specification

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-5.45E+12	2.99E+13	-0.182461	0.8553
PDPT_RT^2	0.005815	0.004138	1.405214	0.1610
PDPT_RT*PENDPT_THN_X5_	-53065.08	33601.28	-1.579258	0.1153
PDPT_RT*QAGTNGG_JIWA_X7_	-39530.25	66507.32	-0.594374	0.5527
PDPT_RT*DMKTMLT_D1_	308274.1	231852.2	1.329615	0.1847
PDPT_RT*DMKBRKNY_D2_	187625.3	235949.0	0.795194	0.4271
PDPT_RT*DMKMGGL_D3_	337768.7	155271.8	2.175339	0.0304
PDPT_RT*DMJK_D4_	-68855.45	262657.8	-0.262149	0.7934
PDPT_RT	90328.45	727700.3	0.124129	0.9013
PENDPT_THN_X5_^2	7.30E+10	8.10E+10	0.901078	0.3683
PENDPT_THN_X5_*QAGTNGG_JIWA_X7_	3.24E+11	2.51E+11	1.289342	0.1983
PENDPT_THN_X5_*DMKTMLT_D1_	-2.17E+11	6.13E+11	-0.353872	0.7237
PENDPT_THN_X5_*DMKBRKNY_D2_	-1.23E+12	7.61E+11	-1.611002	0.1082
PENDPT_THN_X5_*DMKMGGL_D3_	-2.18E+12	8.45E+11	-2.581197	0.0103
PENDPT_THN_X5_*DMJK_D4_	-7.13E+11	9.66E+11	-0.737979	0.4611
PENDPT_THN_X5_	1.10E+12	1.70E+12	0.647244	0.5180
QAGTNGG_JIWA_X7_^2	1.82E+11	3.53E+11	0.516292	0.6060
QAGTNGG_JIWA_X7_*DMKTMLT_D1_	8.53E+11	1.63E+12	0.523140	0.6013
QAGTNGG_JIWA_X7_*DMKBRKNY_D2_	-3.94E+10	1.50E+12	-0.026338	0.9790
QAGTNGG_JIWA_X7_*DMKMGGL_D3_	-1.99E+12	1.83E+12	-1.086450	0.2782
QAGTNGG_JIWA_X7_*DMJK_D4_	-5.89E+11	2.01E+12	-0.293171	0.7696
QAGTNGG_JIWA_X7_	-1.18E+12	4.39E+12	-0.269217	0.7879
DMKTMLT_D1_^2	-1.90E+13	1.46E+13	-1.297088	0.1956
DMKTMLT_D1_*DMJK_D4_	1.04E+13	5.89E+12	1.763884	0.0788
DMKBRKNY_D2_^2	-2.76E+12	1.42E+13	-0.193827	0.8464
DMKBRKNY_D2_*DMJK_D4_	1.17E+13	6.95E+12	1.680300	0.0939
DMKMGGL_D3_^2	-5.97E+12	1.61E+13	-0.371070	0.7108
DMKMGGL_D3_*DMJK_D4_	2.48E+13	8.04E+12	3.079729	0.0023
DMJK_D4_^2	7.23E+12	1.60E+13	0.452201	0.6515

Lampiran 8. (lanjutan)

R-squared	0.243710	Mean dependent var	1.11E+13
Adjusted R-squared	0.172649	S.D. dependent var	1.78E+13
S.E. of regression	1.62E+13	Akaike info criterion	63.75071
Sum squared resid	7.79E+28	Schwarz criterion	64.08682
Log likelihood	-10394.24	Hannan-Quinn criter.	63.88482
F-statistic	3.429600	Durbin-Watson stat	2.042112
Prob(F-statistic)	0.000000		

Lampiran 9. Analisis konsumsi non-pangan rumah tangga menggunakan
Eviews versi 11 Student Lite

Dependent Variable: KONS_NON_PANGAN

Method: Least Squares

Date: 12/05/20 Time: 11:00

Sample: 1 327

Included observations: 327

Huber-White-Hinkley (HC1) heteroskedasticity consistent standard errors
and covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PDPT_RT	0.360367	0.020517	17.56408	0.0000
PENDPT__THN__X5_	266542.4	95629.13	2.787251	0.0056
QAGTNGG__JIWA__X7_	-401007.5	213636.2	-1.877058	0.0614
DMKTMLT__D1_	-596045.1	972648.4	-0.612806	0.5404
DMKBRKNY__D2_	-5303898.	821388.1	-6.457237	0.0000
DMKMGGL__D3_	-8020945.	909283.2	-8.821173	0.0000
DMJK__D4_	9827284.	806224.5	12.18926	0.0000
C	1488375.	1687367.	0.882070	0.3784
R-squared	0.590272	Mean dependent var		24894312
Adjusted R-squared	0.581281	S.D. dependent var		7790328.
S.E. of regression	5041006.	Akaike info criterion		33.72827
Sum squared resid	8.11E+15	Schwarz criterion		33.82099
Log likelihood	-5506.572	Hannan-Quinn criter.		33.76527
F-statistic	65.65206	Durbin-Watson stat		1.201704
Prob(F-statistic)	0.000000	Wald F-statistic		59.79761
Prob(Wald F-statistic)	0.000000			

Variance Inflation Factors

Date: 12/05/20 Time: 11:02

Sample: 1 327

Included observations: 327

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
PDPT_RT	0.000421	22.83527	1.767900
PENDPT__THN__X5_	9.14E+09	17.00017	1.285584
QAGTNGG__JIWA__X7_	4.56E+10	12.28439	1.176863
DMKTMLT__D1_	9.46E+11	2.635872	2.137772
DMKBRKNY__D2_	6.75E+11	5.556967	2.700671
DMKMGGL__D3_	8.27E+11	2.714040	2.099423
DMJK__D4_	6.50E+11	5.859094	2.250531
C	2.85E+12	48.30303	NA

Lampiran 9. (lanjutan)

Heteroskedasticity Test: White
Null hypothesis: Homoskedasticity

F-statistic	3.095199	Prob. F(28,298)	0.0000
Obs*R-squared	73.67346	Prob. Chi-Square(28)	0.0000
Scaled explained SS	78.86878	Prob. Chi-Square(28)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 12/05/20 Time: 11:01

Sample: 1 327

Included observations: 327

Huber-White-Hinkley (HC1) heteroskedasticity consistent standard errors
and covariance

Collinear test regressors dropped from specification

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-9.60E+13	5.88E+13	-1.633507	0.1034
PDPT_RT^2	-0.014477	0.008300	-1.744169	0.0822
PDPT_RT*PENDPT_THN__X5_	100452.8	57379.68	1.750669	0.0810
PDPT_RT*QAGTNGG_JIWA__X7_	-99085.49	110981.8	-0.892808	0.3727
PDPT_RT*DMKTMLT__D1_	-651914.3	579805.9	-1.124366	0.2618
PDPT_RT*DMKBRKNY__D2_	-301768.8	437051.4	-0.690465	0.4904
PDPT_RT*DMKMGG_L__D3_	997733.5	583109.3	1.711057	0.0881
PDPT_RT*DMJK__D4_	-1768407.	561029.1	-3.152078	0.0018
PDPT_RT	2814221.	1394632.	2.017895	0.0445
PENDPT_THN__X5_^2	-1.78E+11	1.75E+11	-1.019042	0.3090
PENDPT_THN__X5_*QAGTNGG_JIWA__X7_	-1.21E+12	4.64E+11	-2.607756	0.0096
PENDPT_THN__X5_*DMKTMLT__D1_	-1.15E+12	2.24E+12	-0.511994	0.6090
PENDPT_THN__X5_*DMKBRKNY__D2_	-1.33E+12	1.64E+12	-0.812363	0.4172
PENDPT_THN__X5_*DMKMGG_L__D3_	-3.51E+12	1.96E+12	-1.787330	0.0749
PENDPT_THN__X5_*DMJK__D4_	5.89E+12	2.38E+12	2.479849	0.0137
PENDPT_THN__X5_	-1.38E+11	3.41E+12	-0.040348	0.9678
QAGTNGG_JIWA__X7_^2	9.83E+10	8.86E+11	0.110964	0.9117
QAGTNGG_JIWA__X7_*DMKTMLT__D1_	4.12E+12	5.19E+12	0.795123	0.4272
QAGTNGG_JIWA__X7_*DMKBRKNY__D2_	6.66E+12	4.10E+12	1.625874	0.1050
QAGTNGG_JIWA__X7_*DMKMGG_L__D3_	4.12E+12	4.54E+12	0.907560	0.3648
QAGTNGG_JIWA__X7_*DMJK__D4_	-1.72E+12	4.08E+12	-0.421847	0.6734
QAGTNGG_JIWA__X7_	1.33E+13	1.07E+13	1.244706	0.2142
DMKTMLT__D1_^2	1.33E+13	3.73E+13	0.356839	0.7215
DMKTMLT__D1_*DMJK__D4_	5.85E+12	1.41E+13	0.414904	0.6785
DMKBRKNY__D2_^2	-4.00E+13	3.23E+13	-1.236032	0.2174
DMKBRKNY__D2_*DMJK__D4_	2.18E+13	1.29E+13	1.694941	0.0911
DMKMGG_L__D3_^2	-1.24E+14	4.55E+13	-2.729868	0.0067
DMKMGG_L__D3_*DMJK__D4_	1.01E+14	2.47E+13	4.068510	0.0001
DMJK__D4_^2	4.05E+13	3.32E+13	1.219047	0.2238

Lampiran 9. (lanjutan)

R-squared	0.225301	Mean dependent var	2.48E+13
Adjusted R-squared	0.152511	S.D. dependent var	3.72E+13
S.E. of regression	3.43E+13	Akaike info criterion	65.25372
Sum squared resid	3.50E+29	Schwarz criterion	65.58983
Log likelihood	-10639.98	Hannan-Quinn criter.	65.38784
F-statistic	3.095199	Durbin-Watson stat	1.833712
Prob(F-statistic)	0.000001		

Lampiran 10. Analisis pendapatan usahatani menggunakan *Eviews versi 10*

Dependent Variable: PUTTOT

Method: Least Squares

Date: 05/11/21 Time: 17:32

Sample: 1 327

Included observations: 326

White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPPK	7.083981	1.789639	3.958329	0.0001
UMR	-18.89214	7.003274	-2.697615	0.0074
PEND	44.11676	17.19627	2.565485	0.0108
PENGLM	47.39613	11.55963	4.100143	0.0001
QTANGG	93.57057	36.45875	2.566478	0.0107
DMT	194.8728	162.1571	1.201753	0.2304
DMB	686.2092	137.8117	4.979323	0.0000
DMM	1667.660	203.3233	8.202009	0.0000
DMKT	2666.008	198.6199	13.42266	0.0000
C	-1008.875	401.5417	-2.512504	0.0125

R-squared	0.814571	Mean dependent var	1692.558
Adjusted R-squared	0.809290	S.D. dependent var	2038.729
S.E. of regression	890.3205	Akaike info criterion	16.45123
Sum squared resid	2.50E+08	Schwarz criterion	16.56740
Log likelihood	-2671.551	Hannan-Quinn criter.	16.49759
F-statistic	154.2397	Durbin-Watson stat	0.848762
Prob(F-statistic)	0.000000	Wald F-statistic	136.9592
Prob(Wald F-statistic)	0.000000		

Variance Inflation Factors

Date: 05/11/21 Time: 17:33

Sample: 1 327

Included observations: 326

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
PPPK	3.202808	4.389402	2.786139
UMR	49.04584	106.6057	1.565947
PEND	295.7116	35.14140	1.370604
PENGLM	133.6251	13.10088	2.907592
QTANGG	1329.241	23.47742	1.186026
DMT	26294.94	4.335246	3.546614
DMB	18992.08	13.25216	3.853583
DMM	41340.37	3.211966	2.778336
DMKT	39449.88	10.72636	4.765876
C	161235.8	178.2885	NA

Lampiran 10. (lanjutan)

Heteroskedasticity Test: White

F-statistic	7.908817	Prob. F(47,278)	0.0000
Obs*R-squared	186.5110	Prob. Chi-Square(47)	0.0000
Scaled explained SS	323.5683	Prob. Chi-Square(47)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 05/11/21 Time: 17:33

Sample: 1 327

Included observations: 326

White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Collinear test regressors dropped from specification

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2470125.	3556748.	-0.694490	0.4880
PPPK^2	166.3235	60.74177	2.738206	0.0066
PPPK*UMR	-351.7519	259.9597	-1.353102	0.1771
PPPK*PEND	532.0218	631.5481	0.842409	0.4003
PPPK*PENGLM	879.6962	551.0612	1.596367	0.1115
PPPK*QTANGG	-34.57709	1613.752	-0.021427	0.9829
PPPK*DMT	-3267.368	9065.678	-0.360411	0.7188
PPPK*DMB	-18817.56	9418.585	-1.997918	0.0467
PPPK*DMM	-77589.49	13352.43	-5.810890	0.0000
PPPK*DMKT	-68195.55	106686.1	-0.639217	0.5232
PPPK	63431.13	104461.0	0.607223	0.5442
UMR^2	599.5018	754.7089	0.794348	0.4277
UMR*PEND	-2308.234	3449.556	-0.669140	0.5040
UMR*PENGLM	-2286.641	2210.240	-1.034567	0.3018
UMR*QTANGG	2785.202	7466.352	0.373034	0.7094
UMR*DMT	-17094.21	24178.42	-0.707002	0.4802
UMR*DMB	3485.033	16019.53	0.217549	0.8279
UMR*DMM	-38991.03	26016.93	-1.498679	0.1351
UMR*DMKT	27945.45	35309.56	0.791442	0.4294
UMR	-21241.26	86071.23	-0.246787	0.8053
PEND^2	-6392.209	5858.751	-1.091053	0.2762
PEND*PENGLM	-7785.926	5509.263	-1.413243	0.1587
PEND*QTANGG	-7046.543	16396.09	-0.429770	0.6677
PEND*DMT	-47386.24	62498.77	-0.758195	0.4490
PEND*DMB	-21819.74	47769.58	-0.456770	0.6482
PEND*DMM	85516.80	81247.01	1.052553	0.2935
PEND*DMKT	116000.0	70593.03	1.643222	0.1015
PEND	296335.5	294375.6	1.006658	0.3150
PENGLM^2	-3758.686	2483.584	-1.513412	0.1313
PENGLM*QTANGG	-13708.86	15268.79	-0.897836	0.3701
PENGLM*DMT	15968.83	51194.05	0.311927	0.7553

Lampiran 10. (lanjutan)

PENGLM*DMB	-30036.98	43503.19	-0.690455	0.4905
PENGLM*DMM	4426.897	69563.39	0.063638	0.9493
PENGLM*DMKT	43509.23	53853.94	0.807912	0.4198
PENGLM	302609.7	162518.0	1.862008	0.0637
QTANGG^2	-51974.21	31428.57	-1.653725	0.0993
QTANGG*DMT	32887.75	120677.4	0.272526	0.7854
QTANGG*DMB	15298.58	76314.07	0.200469	0.8413
QTANGG*DMM	-105948.4	182179.1	-0.581562	0.5613
QTANGG*DMKT	-2540.439	174476.1	-0.014560	0.9884
QTANGG	509457.1	394316.5	1.292000	0.1974
DMT^2	636930.6	1332841.	0.477874	0.6331
DMT*DMKT	-179731.9	479422.2	-0.374893	0.7080
DMB^2	-389403.0	918972.7	-0.423737	0.6721
DMB*DMKT	626455.6	516497.9	1.212891	0.2262
DMM^2	1454332.	1919700.	0.757583	0.4493
DMM*DMKT	8723068.	1658157.	5.260701	0.0000
DMKT^2	-2496297.	1942231.	-1.285273	0.1998
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R-squared	0.572120	Mean dependent var	768355.6	
Adjusted R-squared	0.499780	S.D. dependent var	1478787.	
S.E. of regression	1045890.	Akaike info criterion	30.69384	
Sum squared resid	3.04E+14	Schwarz criterion	31.25142	
Log likelihood	-4955.095	Hannan-Quinn criter.	30.91634	
F-statistic	7.908817	Durbin-Watson stat	2.286819	
Prob(F-statistic)	0.000000			

Lampiran 11. Analisis pendapatan disposibel menggunakan *Eviews versi 10*

Dependent Variable: PUTDISP

Method: Least Squares

Date: 05/11/21 Time: 17:35

Sample: 1 327

Included observations: 326

White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPPK	6.929989	1.788501	3.874748	0.0001
UMR	-14.85333	6.685135	-2.221845	0.0270
PEND	32.72704	17.10205	1.913633	0.0566
PENGLM	40.63726	11.48567	3.538084	0.0005
QTANGG	77.91658	35.40458	2.200749	0.0285
DMT	521.7023	161.2156	3.236055	0.0013
DMB	683.6528	141.7580	4.822674	0.0000
DMM	1656.142	202.3305	8.185328	0.0000
DMKT	2692.071	198.7924	13.54212	0.0000
C	-1026.859	395.8516	-2.594051	0.0099
R-squared	0.822650	Mean dependent var		1701.150
Adjusted R-squared	0.817599	S.D. dependent var		2027.939
S.E. of regression	866.1018	Akaike info criterion		16.39608
Sum squared resid	2.37E+08	Schwarz criterion		16.51224
Log likelihood	-2662.560	Hannan-Quinn criter.		16.44243
F-statistic	162.8650	Durbin-Watson stat		0.850284
Prob(F-statistic)	0.000000	Wald F-statistic		152.3707
Prob(Wald F-statistic)	0.000000			

Variance Inflation Factors

Date: 05/11/21 Time: 17:36

Sample: 1 327

Included observations: 326

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
PPPK	3.198734	4.713061	2.933967
UMR	44.69103	114.1406	1.561795
PEND	292.4800	41.09310	1.398776
PENGLM	131.9206	14.92617	3.075243
QTANGG	1253.484	25.64803	1.188046
DMT	25990.45	5.353034	4.173024
DMB	20095.34	15.86440	4.755649
DMM	40937.63	3.525121	2.973217
DMKT	39518.42	11.62264	5.035664
C	156698.5	203.5195	NA

Lampiran 11. (lanjutan)

Heteroskedasticity Test: White

F-statistic	8.740971	Prob. F(47,278)	0.0000
Obs*R-squared	194.4311	Prob. Chi-Square(47)	0.0000
Scaled explained SS	341.4994	Prob. Chi-Square(47)	0.0000

Test Equation:

Dependent Variable: RESID²

Method: Least Squares

Date: 05/11/21 Time: 17:36

Sample: 1 327

Included observations: 326

White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Collinear test regressors dropped from specification

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1386518.	3514309.	-0.394535	0.6935
PPPK ²	181.2499	55.04268	3.292897	0.0011
PPPK*UMR	-395.7060	255.2501	-1.550268	0.1222
PPPK*PEND	1194.148	595.2187	2.006234	0.0458
PPPK*PENGLM	736.9331	517.0578	1.425243	0.1552
PPPK*QTANGG	566.9147	1560.717	0.363240	0.7167
PPPK*DMT	-4109.771	8141.496	-0.504793	0.6141
PPPK*DMB	-12141.76	8681.636	-1.398556	0.1631
PPPK*DMM	-72856.70	12510.89	-5.823464	0.0000
PPPK*DMKT	-49692.81	104566.2	-0.475228	0.6350
PPPK	33734.28	102011.5	0.330691	0.7411
UMR ²	-65.93195	675.5427	-0.097598	0.9223
UMR*PEND	-1879.643	3637.263	-0.516774	0.6057
UMR*PENGLM	4.695327	2227.018	0.002108	0.9983
UMR*QTANGG	10010.18	7851.666	1.274911	0.2034
UMR*DMT	-6537.520	23264.04	-0.281014	0.7789
UMR*DMB	8195.417	15323.30	0.534834	0.5932
UMR*DMM	-17364.46	26946.41	-0.644407	0.5198
UMR*DMKT	7039.075	37348.97	0.188468	0.8506
UMR	-16078.76	81499.02	-0.197288	0.8437
PEND ²	-469.9175	5641.382	-0.083298	0.9337
PEND*PENGLM	-7884.227	5266.340	-1.497098	0.1355
PEND*QTANGG	-15734.61	16790.97	-0.937088	0.3495
PEND*DMT	-16353.17	57066.43	-0.286564	0.7747
PEND*DMB	3309.013	45479.54	0.072758	0.9421
PEND*DMM	102967.0	82688.05	1.245246	0.2141
PEND*DMKT	84342.51	73788.12	1.143036	0.2540
PEND	169528.1	305379.7	0.555139	0.5792
PENGLM ²	-3796.414	2334.997	-1.625875	0.1051
PENGLM*QTANGG	-26110.55	15914.36	-1.640691	0.1020
PENGLM*DMT	-4943.839	48043.69	-0.102903	0.9181

Lampiran 11. (lanjutan)

PENGLM*DMB	-10938.85	41910.32	-0.261006	0.7943
PENGLM*DMM	15657.57	68309.61	0.229215	0.8189
PENGLM*DMKT	31347.76	55377.02	0.566079	0.5718
PENGLM	246342.4	165159.9	1.491538	0.1370
QTANGG^2	-59695.86	27722.47	-2.153339	0.0322
QTANGG*DMT	32543.15	124796.2	0.260770	0.7945
QTANGG*DMB	-10409.87	76702.51	-0.135717	0.8921
QTANGG*DMM	-207167.9	184325.6	-1.123923	0.2620
QTANGG*DMKT	42862.52	167228.8	0.256311	0.7979
QTANGG	445696.5	363759.3	1.225251	0.2215
DMT^2	-298428.5	1244810.	-0.239738	0.8107
DMT*DMKT	142311.0	476591.1	0.298602	0.7655
DMB^2	-942525.1	861873.8	-1.093577	0.2751
DMB*DMKT	149932.1	502873.1	0.298151	0.7658
DMM^2	539050.9	1940458.	0.277796	0.7814
DMM*DMKT	8287077.	1603279.	5.168830	0.0000
DMKT^2	-998539.1	2093796.	-0.476904	0.6338
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R-squared	0.596415	Mean dependent var	727122.2	
Adjusted R-squared	0.528182	S.D. dependent var	1408095.	
S.E. of regression	967206.3	Akaike info criterion	30.53741	
Sum squared resid	2.60E+14	Schwarz criterion	31.09499	
Log likelihood	-4929.598	Hannan-Quinn criter.	30.75992	
F-statistic	8.740971	Durbin-Watson stat	2.224061	
Prob(F-statistic)	0.000000			

Lampiran 12. Analisis pendapatan real menggunakan *Eviews versi 10*

Dependent Variable: PUTRIL

Method: Least Squares

Date: 05/11/21 Time: 17:38

Sample: 1 327

Included observations: 326

White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Variable	Coefficient	Std. Error	t-Statistic	Prob.
PPPK	-0.235242	0.224075	-1.049833	0.2946
UMR	-1.008137	0.763729	-1.320019	0.1878
PEND	-0.471783	2.260729	-0.208686	0.8348
PENGLM	0.577884	1.467679	0.393740	0.6940
QTANGG	4.677804	4.582001	1.020909	0.3081
DMT	4.904047	18.79107	0.260978	0.7943
DMB	15.07833	16.65607	0.905275	0.3660
DMM	21.99445	18.09133	1.215745	0.2250
DMKT	123.0973	23.13819	5.320095	0.0000
C	40.27084	48.38848	0.832240	0.4059
R-squared	0.202202	Mean dependent var		79.38464
Adjusted R-squared	0.179480	S.D. dependent var		120.9648
S.E. of regression	109.5730	Akaike info criterion		12.26125
Sum squared resid	3793971.	Schwarz criterion		12.37742
Log likelihood	-1988.584	Hannan-Quinn criter.		12.30761
F-statistic	8.898937	Durbin-Watson stat		2.138827
Prob(F-statistic)	0.000000	Wald F-statistic		10.35432
Prob(Wald F-statistic)	0.000000			

Variance Inflation Factors

Date: 05/11/21 Time: 17:38

Sample: 1 327

Included observations: 326

Variable	Coefficient Variance	Uncentered VIF	Centered VIF
PPPK	0.050210	3.071820	2.757362
UMR	0.583282	53.48725	1.289713
PEND	5.110895	24.52111	1.424318
PENGLM	2.154082	8.176920	3.298939
QTANGG	20.99473	17.21638	1.190986
DMT	353.1042	2.751017	2.046880
DMB	277.4247	2.516246	1.780043
DMM	327.2963	2.815856	1.708299
DMKT	535.3757	5.237923	4.191936
C	2341.445	105.7159	NA

Lampiran 12. (lanjutan)

Heteroskedasticity Test: White

F-statistic	2.141519	Prob. F(47,278)	0.0001
Obs*R-squared	86.65585	Prob. Chi-Square(47)	0.0004
Scaled explained SS	163.0368	Prob. Chi-Square(47)	0.0000

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 05/11/21 Time: 17:39

Sample: 1 327

Included observations: 326

White-Hinkley (HC1) heteroskedasticity consistent standard errors and covariance

Collinear test regressors dropped from specification

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-25780.24	67826.23	-0.380092	0.7042
PPPK^2	-0.175610	1.131989	-0.155134	0.8768
PPPK*UMR	6.687293	5.582784	1.197842	0.2320
PPPK*PEND	-12.73837	15.71487	-0.810593	0.4183
PPPK*PENGLM	-10.50926	9.126857	-1.151465	0.2505
PPPK*QTANGG	27.37674	27.81452	0.984261	0.3258
PPPK*DMT	-77.74038	183.9657	-0.422581	0.6729
PPPK*DMB	-99.05425	204.3091	-0.484825	0.6282
PPPK*DMM	-199.3892	273.7789	-0.728285	0.4671
PPPK*DMKT	-23877.46	10224.82	-2.335245	0.0202
PPPK	23850.93	10156.11	2.348432	0.0196
UMR^2	-13.62638	14.55964	-0.935901	0.3501
UMR*PEND	-63.49307	52.76486	-1.203321	0.2299
UMR*PENGLM	24.39869	38.31240	0.636835	0.5248
UMR*QTANGG	16.44791	125.4046	0.131159	0.8957
UMR*DMT	180.1807	466.4430	0.386287	0.6996
UMR*DMB	423.2835	484.7823	0.873141	0.3833
UMR*DMM	448.8984	397.2547	1.130001	0.2594
UMR*DMKT	-621.3441	720.7262	-0.862108	0.3894
UMR	1451.165	1471.858	0.985940	0.3250
PEND^2	-7.949719	216.9454	-0.036644	0.9708
PEND*PENGLM	52.04194	100.6974	0.516815	0.6057
PEND*QTANGG	120.0081	391.2003	0.306769	0.7592
PEND*DMT	405.0234	1169.141	0.346428	0.7293
PEND*DMB	2434.547	1553.347	1.567292	0.1182
PEND*DMM	792.6032	1163.732	0.681088	0.4964
PEND*DMKT	1180.033	1657.919	0.711756	0.4772
PEND	1578.947	6807.020	0.231959	0.8167
PENGLM^2	-19.19058	35.93665	-0.534011	0.5938
PENGLM*QTANGG	-48.87999	157.7063	-0.309943	0.7568
PENGLM*DMT	387.5900	562.6011	0.688925	0.4914

Lampiran 12. (lanjutan)

PENGLM*DMB	656.2863	837.2607	0.783849	0.4338
PENGLM*DMM	357.4060	1027.233	0.347931	0.7282
PENGLM*DMKT	983.5232	1081.261	0.909608	0.3638
PENGLM	-1494.761	2414.709	-0.619023	0.5364
QTANGG^2	-324.5217	555.3453	-0.584360	0.5595
QTANGG*DMT	439.2388	2641.122	0.166308	0.8680
QTANGG*DMB	2345.969	2779.615	0.843990	0.3994
QTANGG*DMM	183.1985	2824.919	0.064851	0.9483
QTANGG*DMKT	-89.66462	3952.950	-0.022683	0.9819
QTANGG	-492.8104	8988.795	-0.054825	0.9563
DMT^2	-14131.16	24161.85	-0.584854	0.5591
DMT*DMKT	-5469.414	15587.38	-0.350887	0.7259
DMB^2	-50673.93	30872.82	-1.641377	0.1019
DMB*DMKT	-7157.022	18363.96	-0.389732	0.6970
DMM^2	-30066.62	23489.87	-1.279982	0.2016
DMM*DMKT	25505.83	26051.22	0.979065	0.3284
DMKT^2	23767.83	34870.37	0.681605	0.4961
<hr/>				
R-squared	0.265815	Mean dependent var	11637.95	
Adjusted R-squared	0.141691	S.D. dependent var	23325.60	
S.E. of regression	21610.00	Akaike info criterion	22.93490	
Sum squared resid	1.30E+11	Schwarz criterion	23.49248	
Log likelihood	-3690.389	Hannan-Quinn criter.	23.15741	
F-statistic	2.141519	Durbin-Watson stat	2.101519	
Prob(F-statistic)	0.000082			

Lampiran 13. Lanskap pertanian Kota Makassar

Lanskap	Diskripsi	Kecamatan
 <p>1</p>	sawah padi yang ditanami anggota kelompok tani Suka Maju	Manggala
 <p>2</p>	kebun singkong di belakang stadion olahraga	Biringkanaya
 <p>3</p>	sawah tadah hujan yang ditanami cabai setelah musim tanam padi dan dikelola petani penggarap	Tamalate
 <p>4</p>	kebun sayuran yang dikelola kelompok wanita tani Az-Zahra di lahan tidak terpakai	Tamalanrea
 <p>5</p>	kebun sayuran yang dikelola kelompok wanita tani Az-Zahra di lahan tidak terpakai	Tamalanrea

Lampiran 13. (lanjutan)

Lanskap	Diskripsi	Kecamatan
	kebun sayuran yang dikelola kelompok wanita tani Citra di lahan tidak terpakai pinggir Sungai Tallo	Panakkukang
6		
	kebun sayuran yang dikelola kelompok wanita tani Citra di lahan tidak terpakai pinggir Sungai Tallo	Panakkukang
7		
	kebun sayuran yang dikelola kelompok wanita tani Dewi Sari di lahan tidak terpakai dalam kompleks perumahan	Tamalanrea
8		
	kebun sayuran yang dikelola kelompok wanita tani Dewi Sari di lahan tidak terpakai dalam kompleks perumahan	Tamalanrea
9		
	kebun sayur yang dikelola kelompok wanita tani Melati pada lahan tidak terpakai di pinggir jalan raya	Manggala
10		

Lampiran 13. (lanjutan)

Lanskap	Diskripsi	Kecamatan
 <p data-bbox="553 682 586 709">11</p>	<p data-bbox="865 436 1154 575">kebun sayuran yang dikelola kelompok wanita tani Nasa di lahan tidak terpakai</p>	<p data-bbox="1190 436 1377 468">Biringkanaya</p>
 <p data-bbox="553 949 586 976">12</p>	<p data-bbox="865 724 1154 926">kebun sayuran yang dikelola kelompok wanita tani Selasih di lahan tidak terpakai dalam kompleks perumahan</p>	<p data-bbox="1214 724 1352 751">Manggala</p>
 <p data-bbox="553 1249 586 1276">13</p>	<p data-bbox="865 991 1154 1129">tanaman hias di lahan tidak terpakai pinggir Sungai Jene'berang</p>	<p data-bbox="1214 991 1352 1018">Tamalate</p>
 <p data-bbox="553 1528 586 1556">14</p>	<p data-bbox="865 1291 1154 1430">kebun sayuran di lahan tidak terpakai pinggir Sungai Jene'berang</p>	<p data-bbox="1214 1291 1352 1318">Tamalate</p>
 <p data-bbox="553 1816 586 1843">15</p>	<p data-bbox="865 1566 1154 1810">Sayuran di tong dan kayu bekas yang diusahakan anggota kelompok wanita tani Dewi sari di sepanjang lorong perumahan</p>	<p data-bbox="1198 1566 1369 1593">Tamalanrea</p>

Lampiran 13. (lanjutan)

Lanskap	Diskripsi	Kecamatan
 <p data-bbox="548 667 586 695">16</p>	<p data-bbox="854 432 1146 615">cabai di polybag yang dikelola kelompok wanita tani Selasih di sepanjang lorong perumahan</p>	<p data-bbox="1208 432 1349 468">Manggala</p>
 <p data-bbox="548 936 586 968">17</p>	<p data-bbox="867 701 1135 884">tanaman hias sepanjang lorong yang dikelola anggota kelompok wanita tani Perintis</p>	<p data-bbox="1192 701 1365 737">Tamalanrea</p>
 <p data-bbox="548 1226 586 1257">18</p>	<p data-bbox="854 974 1146 1226">tanaman hias di pekarangan rumah menggunakan pot dan tehnik vertikultur yang dikelola anggota kelompok wanita tani Asoka</p>	<p data-bbox="1208 974 1349 1010">Tamalate</p>
 <p data-bbox="548 1524 586 1556">19</p>	<p data-bbox="854 1268 1146 1446">sayuran dengan tehnik hidroponik vertikultur pada komunitas berkebun swasta</p>	<p data-bbox="1208 1268 1349 1304">Tamalate</p>
 <p data-bbox="548 1835 586 1866">20</p>	<p data-bbox="867 1562 1146 1709">sayuran dengan sistem akuaponik di anggota kelompok wanita tani Citra</p>	<p data-bbox="1179 1562 1378 1598">Panakkukang</p>

Lampiran 14. Skor *scenic beauty estimation*

Lanskap	Laki-laki		Perempuan	
	Tidak pernah	Pernah/tinggal	Tidak pernah	Pernah/tinggal
1	124.40	76.00	76.50	76.60
2	0.00	0.00	0.00	11.20
3	32.60	35.22	31.78	0.00
4	48.60	51.50	59.17	68.70
5	88.93	74.33	53.42	77.70
6	124.60	110.50	17.67	62.53
7	130.27	116.67	80.00	78.53
8	124.60	117.00	103.33	47.20
9	133.85	71.00	66.00	82.87
10	82.10	101.73	4.17	90.20
11	111.93	38.33	55.33	77.70
12	101.27	97.33	89.67	108.53
13	101.10	93.83	69.33	75.87
14	77.85	33.33	61.27	68.45
15	82.10	133.46	92.67	74.20
16	41.10	115.05	76.42	109.37
17	103.27	119.33	91.00	63.20
18	92.60	94.19	55.42	73.20
19	97.93	98.08	89.42	114.53
20	110.60	68.93	92.50	98.00

Lampiran 15. Uji beda skor *scenic beauty estimation* menggunakan *Excel versi 16*

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	79.84912698	71.60055556
Variance	1234.711378	669.9595383
Observations	20	20
Pooled Variance	952.3354582	
Hypothesized Mean Difference	0	
df	38	
t Stat	0.845247242	
P(T<=t) one-tail	0.201631806	
t Critical one-tail	1.68595446	
P(T<=t) two-tail	0.403263612	
t Critical two-tail	2.024394164	

Lampiran 16. Berat basah sampel tanaman

Tanaman	Tamalate			Manggala			Tamalanrea			Biringkanaya		
	daun	batang	buah	daun	batang	buah	daun	batang	buah	daun	batang	buah
1. Hamparan												
Sawi	1,148.3	-	-	1175	-	-	989.5	-	-	964.7	-	-
Kangkung	314.5	330.7	-	304	311.7	-	296.8	390.5	-	246.2	310.2	-
Jagung pulut	372.2	1,122.8	1,124.2	335.2	1,190.4	1,160.8	324	966	859.8	284	1,041	855
Jagung kuning	122.2	302.4	690.2	130	305.4	669	119.8	308.6	761.2	118.8	346	735.6
Bayam	296.1	308.9	-	341.5	252.4	-	284.6	263.7	-	276.7	343	-
Padi	143.8	372.7	304.1	152.2	363.6	397.1	142.9	331.8	250.1	122.2	300	310.4
Cabai	96.1	127.5	204.1	81.5	109.1	123.5	97.7	205.2	127.7	91.5	194	112.5
Terong	96.3	343.7	127.8	95.8	356.4	112.2	115.6	344.4	104.2	107.2	385.7	90.9
2. Bukan hamparan												
Tomat	246.4	321.1	116.8	304.8	383.9	223.1	154.2	261.4	239.5	106	214.3	190.3
Okra	307.7	368.9	344.4	326.7	371.2	399.8	280.5	359.2	317.7	246.2	310.2	241.7
Cabai	86	113.4	124.3	98.4	147	147.5	88.6	124.8	166.5	91.5	194	112.5
Terong	100.5	273.7	117	102.7	255.7	152.4	138.7	281.5	164.8	107.2	201.6	95.3

Lampiran 17. Berat kering sampel tanaman

Tanaman	Tamalate			Manggala			Tamalanrea			Biringkanaya		
	daun	batang	buah	daun	batang	buah	daun	batang	buah	daun	batang	buah
1. Hamparan												
Sawi	106.57	-	-	125.71	-	-	70.99	-	-	63.60	-	-
Kangkung	38.16	19.64	-	44.63	22.13	-	33.63	26.18	-	27.20	19.27	-
Jagung pulut	228.77	737.74	678.74	227.28	730.75	701.00	228.69	564.13	647.68	246.43	806.62	638.02
Jagung kuning	55.00	96.71	473.75	45.60	94.53	456.27	47.20	123.47	550.13	56.00	140.16	501.18
Bayam	36.93	25.02	-	45.40	19.13	-	41.50	17.34	-	27.01	19.93	-
Padi	39.50	88.67	272.56	41.40	92.50	358.04	36.50	60.77	201.90	30.60	58.33	259.80
Cabai	31.70	41.30	49.22	18.60	32.80	35.30	22.70	55.30	22.60	22.10	57.10	20.30
Terong	13.30	39.28	23.60	14.30	49.97	24.00	14.00	49.34	24.10	12.10	59.85	19.00
2. Bukan hamparan												
Tomat	22.35	31.97	11.00	31.35	38.80	22.17	18.10	26.12	19.55	20.30	27.20	22.80
Okra	29.71	24.44	37.61	33.90	39.04	27.19	26.13	36.75	29.47	27.20	19.87	29.98
Cabai	19.70	25.80	11.40	13.60	28.50	19.00	9.40	26.40	21.80	22.10	25.30	20.30
Terong	10.40	26.55	13.20	14.80	24.00	14.60	16.30	32.29	20.30	12.70	24.40	19.60

Lampiran 18. Serapan CO₂, O₂ dihasilkan, dan nilai ekonomi per musim tanam

Tanaman	CO ₂ terserap (ton/ha)				O ₂ dihasilkan (ton/ha)				Nilai ekonomi (\$/ha)*			
	T	M	Tr	B	T	M	Tr	B	T	M	Tr	B
1. Hamparan												
Sawi	7.19	8.48	4.79	4.29	1.43	1.68	0.95	0.85	71.90	84.81	47.89	42.91
Kangkung	3.90	4.50	4.04	3.14	0.77	0.89	0.80	0.62	38.99	45.04	40.35	31.35
Jagung pulut	111.00	111.93	97.19	114.09	22.02	22.20	19.28	22.63	1,109.99	1,119.29	971.86	1,140.91
Jagung kuning	42.20	40.24	48.63	47.05	8.37	7.98	9.65	9.33	421.98	402.37	486.30	470.48
Bayam	4.18	4.35	3.97	3.17	0.83	0.86	0.79	0.63	41.80	43.54	39.70	31.67
Padi	27.04	33.19	20.18	23.53	5.36	6.58	4.00	4.67	270.36	331.90	201.84	235.27
Cabai	8.25	5.85	6.79	6.71	1.64	1.16	1.35	1.33	82.46	58.49	67.87	67.13
Terong	5.14	5.96	5.90	6.14	1.02	1.18	1.17	1.22	51.39	59.55	58.99	61.36
2. Bukan hamparan												
Tomat	4.41	6.23	4.30	4.74	0.87	1.24	0.85	0.94	44.06	62.29	43.03	47.43
Okra	6.19	6.76	6.23	5.20	1.23	1.34	1.24	1.03	61.91	67.55	62.31	51.99
Cabai	3.84	4.12	3.89	4.57	0.76	0.82	0.77	0.91	38.39	41.22	38.86	45.67
Terong	3.38	3.60	4.65	3.83	0.67	0.71	0.92	0.76	33.83	36.03	46.48	38.25
Jumlah	226.72	235.21	210.56	226.46	44.97	46.64	41.77	44.92	2267.06	2352.08	2105.48	2264.42

* Harga karbon US\$ 10

T adalah Kecamatan Tamalate, M adalah Kecamatan Manggala, Tr adalah Kecamatan Tamalanrea, dan B adalah Kecamatan Biringkanaya

Lampiran 19. Serapan CO₂, O₂ dihasilkan, dan nilai ekonomi harian

Tanaman	HST	CO ₂ terserap (ton/ha/hari)					O ₂ dihasilkan (ton/ha/hari)					Nilai ekonomi (\$/ha/hari)*				
		T	M	Tr	B	total	T	M	Tr	B	total	T	M	Tr	B	total
1. Hampanan																
Sawi	21	0.34	0.40	0.23	0.20	1.18	0.07	0.08	0.05	0.04	0.23	3.42	4.04	2.28	2.04	11.79
Kangkung	28	0.14	0.16	0.14	0.11	0.56	0.03	0.03	0.03	0.02	0.11	1.39	1.61	1.44	1.12	5.56
Jagung pulut	65	1.71	1.72	1.50	1.76	6.68	0.34	0.34	0.30	0.35	1.33	17.08	17.22	14.95	17.55	66.80
Jagung kuning	100	0.42	0.40	0.49	0.47	1.78	0.08	0.08	0.10	0.09	0.35	4.22	4.02	4.86	4.70	17.81
Bayam	21	0.20	0.21	0.19	0.15	0.75	0.04	0.04	0.04	0.03	0.15	1.99	2.07	1.89	1.51	7.46
Padi	90	0.30	0.37	0.22	0.26	1.15	0.06	0.07	0.04	0.05	0.23	3.00	3.69	2.24	2.61	11.55
Cabai	75	0.11	0.08	0.09	0.09	0.37	0.02	0.02	0.02	0.02	0.07	1.10	0.78	0.90	0.90	3.68
Terong	60	0.09	0.10	0.10	0.10	0.39	0.02	0.02	0.02	0.02	0.08	0.86	0.99	0.98	1.02	3.85
2. Bukan hampanan																
Tomat	65	0.07	0.10	0.07	0.07	0.30	0.01	0.02	0.01	0.01	0.06	0.68	0.96	0.66	0.73	3.03
Okra	65	0.10	0.10	0.10	0.08	0.38	0.02	0.02	0.02	0.02	0.07	0.95	1.04	0.96	0.80	3.75
Cabai	90	0.04	0.05	0.04	0.05	0.18	0.01	0.01	0.01	0.01	0.04	0.43	0.46	0.43	0.51	1.82
Terong	70	0.05	0.05	0.07	0.05	0.22	0.01	0.01	0.01	0.01	0.04	0.48	0.51	0.66	0.55	2.21
Jumlah		3.56	3.74	3.23	3.40	13.93	0.71	0.74	0.64	0.68	2.76	35.60	37.39	32.27	34.04	139.32
Rata-rata		0.30	0.31	0.27	0.28	1.16	0.06	0.06	0.05	0.06	0.23	2.97	3.12	2.69	2.84	11.61

* Harga karbon US\$ 10

T adalah Kecamatan Tamalate, M adalah Kecamatan Manggala, Tr adalah Kecamatan Tamalanrea, dan B adalah Kecamatan Biringkanaya