

## DAFTAR PUSTAKA

- AAK., 1990. Budidaya Tanaman Padi. Penerbit Kanisius. Yogyakarta.
- Aeni. S.N., Setiawan S.R.D. 2022. Ciri-ciri Tanaman Padi Siap Panen. <https://agri.kompas.com/read/2022/09/19/142900484/ciri-ciri-tanaman-padi-siap-panen?page=all> diakses pada 4 November 2023
- Agegnehu, G., Ghizaw, A., Sinebo, W. 2008. Yield Potential and Land-use efficiency of Wheat and Faba Bean Mixed Intercropping. *Agronomy for Sustainable Development* 28(2), 257-263. <https://doi.org/10.1051/agro:2008012>
- Alavan, Hayati A., R., dan Hayati, E. 2015. Pengaruh pemupukan terhadap Pertumbuhan Beberapa Varietas Padi Gogo (*Oryza sativa* L.) *Jurnal Floratek* 10 : 61-68
- Aminatun, T. 2009. Nilai-Nilai Kearifan Lingkungan Pada Penelolaan Sawah Surjan Di Kulon Progo. *Prosiding Seminar Nasional*. Yogyakarta 16 Mei 2009.
- Aminatun, T. 2012. Nilai-Nilai Kearifan Lokal Peninggalan Leluhur Pada Sawah Surjan Di Kulon Progo. *Buletin Kalpataru BLH DIY*, Desember 2012.
- Aminatun, T., S.H. Widyastuti, dan Juwanto. 2014. Pola Kearifan Masyarakat Lokal Dalam Sistem Sawah Surjan Untuk Konservasi Ekosistem Pertanian. *Jurnal Penelitian Humaniora* 19 (1):65-76
- Aziez, A.F., Indradewa, D., Yudhono, P., Hanudin, E., 2014. Greenish of Leaf, Chlorophyll Content, and Photosynthetic Rate for Local and Superior Varieties of Organically Grown Rice in Relations to The Yield and Yield Component. *Agrineca* Vol. 14 No. 2 November 2014 ISSN : 0854-2813
- Badan Penelitian dan Pengembangan Pertanian. 2020. Rekomendasi Pupuk N, P, DAN K Spesifik Lokasi Untuk Tanaman Padi, Jagung Dan Kedelai Pada Lahan Sawah (Per Kecamatan) Buku I Padi. Kementrian Pertanian. 415p
- Balai Penelitian Tanah. 2009. Petunjuk Teknis Analisis Kimia Tanah, Tanaman, Air, dan Pupuk. Badan Penelitian dan Pengembangan Pertanian. Departemen Pertanian. 234p
- Baley, L. F., Rothacher, J. S. & Cumming, W. H. (1951). *A critical study of the cobalt chloride methode of measuring transpiration*. Research Paper no. 1026, Journal Series, University of Arkansas, Botany and Bacteriology Department. <https://www.jstor.org/stable/4258566>
- Beets, W.C. 1982. Multiple Cropping and Tropical Farming System. Gower Publ Co. Ltd. Hamshire. 153p
- Behrenfeld, M. J., & Falkowski, P. G. 1997. Photosynthetic rates derived from satellite-based chlorophyll concentration. *Limnology and oceanography*, 42(1), 1-20.

- BPS 2012. Luas Panen dan Produksi Pertanian di Kabupaten Kulon Progo. <https://kulonprogokab.bps.go.id/pressrelease/2013/08/01/809/produksi-cabai-besar--cabai-rawit--dan-bawang-merah-tahun-2012--produksi-cabai-besar-sebesar-16-46-ribu-ton--cabai-rawit-sebesar-2-32-ribu-ton--dan-bawang-merah-sebesar-11-86-ribu-ton.html> diakses pada 4 November 2023
- BPS 2015. Luas Panen dan Produksi Pertanian di Kabupaten Kulon Progo . <https://kulonprogokab.bps.go.id/indicator/154/255/1/luas-panen-menurut-jenis-komoditas.html> diakses pada 4 November 2023
- BPS 2019. Luas Panen dan Produksi Pertanian di Kabupaten Kulon Progo . <https://kulonprogokab.bps.go.id/indicator/154/255/1/luas-panen-menurut-jenis-komoditas.html> diakses pada 4 November 2023
- BPT [Balai Penelitian Tanah]. 2005. Pupuk Organik Tingkatkan Produksi Pertanian. Warta Penelitian dan Pengembangan Pertanian, Vol 27 (6), 13-16
- BPTP Sulawesi Barat. 2020. Padi Gogo Varietas Situ Bagendit. <http://sulbar.litbang.pertanian.go.id/ind/index.php/info-teknologi/28-padi-gogo-varietas-situ-bagendit>. Diakses pada 10 Juni 2021 jam 04.13
- De Datta, S.K. 1981. Principle and Practice of Rice Production. New York. John Willey and Sons. Singapore. 618p.
- Despita, R., Nizar A., Purnomo, D., Fernanda Y. 2020. Produksi Bawang Merah Tumpangsari dengan Cabai pada Berbagai Jarak tanam. Jurnal Agriekstensi Vol. 19 (2), 172-180
- Dinas Kebudayaan Kabupaten Kulon Progo. 2019. Sejarah Pertanian Sistem Surjan di Kulon Progo. Dinas Kebudayaan Kabupaten Kulon Progo. 207p
- Domingo, A.A. and Hagerman, H.H. 1982. Sorjan Cropping System Trial irrigated Wet Land Conditions. Philipp. J. Crop Sci., 1982, 7 (3) : 154-161.
- Dreyer I, Gomez-Porras J L, Riedelsberger J. 2017. The potassium battery: A mobile energy source for transport processes in plant vascular tissues. New Phytol, 216(4): 1049-1053
- FAO, 2014. FAO Statistical yearbook 2014 Asia and the Pacific Food and Agriculture. <http://www.fao.org/3/a-i3590e.pdf>.
- Foley, J.A., Ramankutty, N., Brauman, K.A., Cassidy, E.S., Gerber, J.S., Johnston, M., Mueller, N.D., O'Connell, C., Ray, D.K., West, P.C., Balzer, C., Bennet, E.M., Carpenter, S.R., Hill, J., Monfreda, C., Polasky, S., Rockstrom, J., Sheehan, J., Siebert, S., Tilman, D., Zaks, D.P.M. 2011. Solutions for A Cultivated Planet. Nature 478, 337-342. <http://dx.doi.org/10.1038/nature10452>
- Francis, C.A. 1989. Biological Efficiencies in Multiple Cropping System, In Advances in Agronomy. New York:Aca Press Vol.42
- George, O., Jeruto, P. 2010. Sustainable Horticultural Crop Production Through Intercropping: The Case of Fruits and Vegetable Crops: A Review. Agriculture

and Biology Journal of North America . 1 (5), 1098-1105. DOI : 10.5251/abjna.2010.1.5.1098.1105

Hartatik, W. dan D. Seyorini. 2013. Formulasi Pupuk Organik dalam Rangka Memenuhi Hara Sayuran Organik dan Peningkatan Produktivitas Tanah. dalam Prosiding Seminar Nasional Pertanian Organik. Universitas Gadjah Mada, Yogyakarta 28-29 Agustus

Hermawan, Anggita Ekaningtyas (2022) Analisis Usahatani Monokultur dengan Tumpang Sari Jagung dan Kedelai di Distrik Moswaren Kabupaten Sorong Selatan. Masters (S2) thesis, Universitas Muhammadiyah Malang.

H. Fang, S. Liang, Leaf Area Index Models☆, Reference Module in Earth Systems and Environmental Sciences, Elsevier, 2014, ISBN 9780124095489, <https://doi.org/10.1016/B978-0-12-409548-9.09076-X>.

Ikhwantara. 2019. Pengelolaan Lahan Surjan. BPP Panjatan. <http://cybex.pertanian.go.id/mobile/artikel/78507/PENGLOLAAN-LAHAN-SURJAN/>. Diakses pada tanggal 23 November 2020

ILEIA. 1991. ILEIA News Letter. Raised Field For Lowland.

Indradewa, D. 2021 Etnoagronomi Indonesia. Lily Publisher Yogyakarta.

IRRI (International Rice Research Institute). 2019: IRRI, 2019. World Rice Statistics.

Kasniari, D.N., dan A.A.N. Supadma. 2007. Pengaruh Pemberian Beberapa Dosis Pupuk (N, P, K ) dan Jenis Pupuk Alternatif Terhadap Hasil Tanaman Padi (*Oryza sativa* L.) dan Kadar N, P, K Inceptisol Selemadeg, Tabanan. Agritrop, 26 (4), 168 – 176.

Keputusan Menteri Permukiman dan Prasarana Wilayah Nomor : 360/KPTS/M/2004 Tanggal : 1 Oktober 2004. Pemberian Air Pada Lahan Dengan Sistem Surjan. Departemen Permukiman dan Prasarana Wilayah.

Khan, M.M. 1981. Intensive Cropping System Rice Gardn And Sorjan. A Paper Presented at The 12<sup>th</sup> Annual Scientific Meeting of Crop Science Society of The Philippines on April 22-24, 1981 at Bacnotan, La Union 20PP

Kotu, S., Rondonuwu, J.J., Pakasi, S., Titah, T. 2015. Status Unsur Hara dan pH Tanah si DesanSEa Kecamatan Pineleng, Kabupaten Minahasa. Manajemen Sumber Daya Lahan, Fakultas Pertanian Universitas Samratulangi.

Kurniadie, D. 2001. Pengaruh Kombinasi Pupuk Majemuk NPK Phonska dan Pupuk N Terhadap Pertumbuhan Dan Hasil Tanaman Padi Sawah Varietas IR 64. Jurnal Bionatura 4 (3) : 137-147

Leff, B., Ramankutty, N., Foley, J.A., 2004. Geographic distribution of major crops across the world. Glob. Biogeochem. Cycles 18. <https://doi.org/10.1029/2003gb002108>. n/ a-n/a.

Liang, W., Z. Zhang, X. Wen, Y. Liao, Y. Liu. 2017. Effect of non-structural carbohydrate accumulation in the stem pre-anthesis on grain filling of wheat inferior grain. F. Crop. Res. 211:66-76.

- Li, G., J. Pan, K. Cui, M. Yuan, Q. Hu, W. Wang, P. K. Mohapatra, L. Nie, J. Huang, S. Peng. 2017. Limitation of unloading in the developing grains is a possible cause responsible for low stem non-structural carbohydrate translocation and poor grain yield formation in rice through verification of recombinant inbred lines. *Front. Plant Sci.* 8:1-16.
- Ma, X.L., Zhu, Q.L., Geng, C.X., Lu, Z.G., Long, G.Q., Tang, L. 2017. Contribution of Nutrient Uptake and Utilization on Yield Advantage in Maize and Potato Intercropping under Different Nitrogen Application Rates. *Chinese Journal of Applied Ecology* 28 (4), 1265-1273. DOI: 10.13287/j.1001-9332.201704.026 PMID: 29741324
- Machay, A. D., J. K. Syers and P. E. H. Gregg. 1984. Ability of Chemical Extraction Procedures to Assess the Agronomic Effectiveness of Phosphate Rock Materials. *New Zealand Journal of Agricultural Research* 27: 219-230.
- Makarim, A. K & E. Suhartatik. 2009. Morgologi dan Fisiologi Tanaman Padi. *Jurnal Balai Besar Penelitian Tanaman Padi*, 295-330
- Martin-Guay, M.O., Paquette, A. Dupras, J., Rivest, D. 2017 The New Green Revolution: Sustainable Intensification of Agriculture by Intercropping. *Science of Total Environment*. 615, 767-772. DOI: 10.1016/j.scitotenv.2017.10.024 PMID: 28992501
- Martono. 2020. Kehebatan Sistem Surjan Ala Kulon Progo dan Pakaian Lurik Adat Jawa. *Tabloid Sinar Tani.Com*. 23 April 2020.
- Moelyohadi, Y., M.U. Harun, Munandar, R. Hayati, dan N. Gofar. 2012. Pemanfaatan Berbagai Jenis Pupuk Hayati pada Budidaya Tanaman Jagung (*Zea mays* L.) Efisien Hara di Lahan Kering Marginal. *Jurnal Lahan Suboptimal*, Vol. 1 (1), 31-39.
- Namatsheve, Talent., Regis Cikowo, Mare Corbeels, Claire Mouquet-Rivier, Christele Icard-Verniere, and Remi Cardaniel. 2021. Maize-Cowpea Intercropping As An Ecological Intensification Option For Low Input System In Sub-humid Zimbabwe: Productivity, Biological N<sub>2</sub>-fixation and Grain Mineral Content. *Field Crops Research* 263 (2021) 108052. <https://doi.org/10.1016/j.fcr.2020.108052>.
- Nazemi, D., A. Hairani, dan L. Indrayati. 2012. Prospek Pengembangan Penataan Lahan Sistem Surjan Di Lahan Rawa Pasang Surut. *Agrovigor* 5 (2). ISSN 1979 6777
- Nurdin, P. Maspeke, Z. Ilahude dan F. Zakaria. 2009. Pertumbuhan dan Hasil jagung yang Dipupuk N, P, dan K Pada Tanah Vertisol Isimu Utara Kabupaten Gorontalo. *Jurnal Tanah Tropika*, Vol, 14 (1), 49-56
- Nursyamsi, D.N., M. Nur, dan Haryono. 2014. Sistem Surjan Model Pertanian Lahan Rawa Adaptif Perubahan Iklim. Jakarta. Badan Penelitian dan Pengembangan Pertanian. Kementrian Pertanian.
- Odum, E.P. 1998. Dasar-dasar Ekologi. Edisi ke tiga (terjemahan). Gadjah Mada University Press. Yogyakarta.

- Palaniappan, S.P. 1984. *Cropping System In The Tropic : Principle And Management*. New Delhi: Wiley Eastern Limited
- Paulus, J.M. 2013. Aplikasi Pupuk Hijau Terhadap Pertumbuhan dan Produksi Padi Sawah. dalam *Prosiding Seminar Nasional Pertanian Organik*, Universitas Gadjah Mada, Yogyakarta 28-29 Agustus.
- Pirngadi, K., H.M. Toha dan B. Nuryanto. 2007. *Pengaruh Pemupukan N Terhadap Pertumbuhan dan Hasil Padi Gogo Dataran Sedang. Apresiasi Hasil Penelitian Padi 2007*.
- Prajitno, Djoko. Dan Sriyanto Waluyo. 1983. *Laporan Penelitian Studi Agro-ekonomi Terhadap Pertanian Sistem Surjan Di Daerah Kulon Progo*. Fakultas Pertanian Universitas Gadjah Mada. Yogyakarta.
- Pramadani, S., Darumurti, FD., Sudrajat. 2022. Kearifan Lokal Sawah Surjan di Kulon Progo sebagai Upaya Ketahanan Pangan. *Jurnal Teori dan Praksis Pembelajaran IPS*. Vol 7 (1) : 1-10
- Pramudyani, L., Qomariyah, R., Yassin, M. 2014. Tumpangsari Tanaman Cabai Merah dengan Bawang Daun menuju Pertanian Ramah Lingkungan. *Prosiding Seminar Pertanian Organik*. Bogor 18-19 Juni 2014.
- Prashanti K. 2012. *Studies on Fodder Maize and Legume Intercropping System*. Departmen of Agronomy Agricultural College, Bapatla Acharya N.G. Ranga Agricultural University Rajendranagar Hyderabad.
- Reijntjes, C., B. Haverkort dan A.W. Bayer. 1999. *Pertanian Masa Depan, Pengantar untuk Pertanian Berkelanjutan dengan Input Luar Rendah*. ILEIA. Penerbit Kanisius. Yogyakarta. pp: 88-107
- Rijanta, R. 2018. Sustainability of the Sawah Surjan Agricultural Systems in Depok Village, Panjatan Subdistrict, Kulonprogo Regency, Yogyakarta Special Province. *Forum Geografi*, Vol 31 (2) December 2018: 109-118
- Rusdiana, Fakuara, O.Y., Kusmana, C., dan Hidayat, Y. 2000. Respon Pertumbuhan Akar Tanaman Sengon (*Paraserianthes Falcataria*) Terhadap Kepadatan dan Kandungan Air Tanah Podsolik Merah Kuning. *Jurnal Managemen Hutan Tropika* 2 (6) L 43-53
- Sayyidati, Rabini. 2019. KOMBINASI Sistem Surjan-Handil Sebagai Kecerdasan Lokal (local Genius) dan Kearifan Lokal (Local Wisdom) Masyarakat Banjar Kula di Kampung Tamban Mekar Sari Pal 16, Barito Kuala, Kalimantan Selatan. *Jurnal Humaniora Teknologi* Volume 5 (1) : 28-34
- Schachtman D P, Reid J R, Ayling S M. 1998. Phosphorus uptake by plants: From soil to cell. *Plant Physiol*. 116: 447–453.
- Sinfield J V, Fagerman D, Colic O. 2010. Evaluation of sensing technologies for on-the-go detection of macro-nutrients in cultivated soils. *Comput Electron Agric*, 70(1): 1±18

- Siregar H. 1987. *Budidaya Tanaman Padi di Indonesia*. Sastra Hudaya. Jakarta. 319 hal.
- Soekartawi. 2003. *Teori Ekonomi Produksi*. Raja Grafindo Persada. Jakarta.
- Steen, J.E., Bedoussac, L., Carlsson, G., Journet, E.P., Justes, E., Hauggaard-Nielsen, H. 2015. Enhancing Yields in Organic Crop Production by Eco-functionak Intensification. *Sustain. Agr. Res.* 4(3), 42-50
- Sun, H., Li, J., Song, W., Tao, J., Huang, S., Chen, S., ... & Zhang, Y. 2015. Nitric oxide generated by nitrate reductase increases nitrogen uptake capacity by inducing lateral root formation and inorganic nitrogen uptake under partial nitrate nutrition in rice. *Journal of experimental botany*, 66(9), 2449-2459.
- Sutaryo, B. 2014. Ekspresi Hasil Gabah dan Analisis Lintasan Beberapa Varietas Unggul Baru Padi di Sleman. *Widyariset*, Vol 17 No 3, Desember 2014 : 343-352
- Tanasale, V.L. 2012. Study of Weeds Community in Plantation of Gandaria (*Bouea macrophylla* Griff.) on Young Plant and Production Plant in Urimessing Village Nusaniwe Substrict Ambon Island. *Jurnal Budidaya Pertanian* 8: 7-12.
- Tohari. 2017. *Aspek Dasar Agronomi Berkelanjutan*. Gadjah Mada University Press. Yogyakarta.
- Tremblay N, Fallon E, Ziadi N. 2011. Sensing of crop nitrogen status: Opportunities, tools, limitations, and supporting information requirements. *Hort Technol*, 21: 274±281.
- Usman, Z., Made, U., Andrianton. 2014. Pertumbuhan dan Hasil Tanaman Padi (*Oryza sativa* L.) Pada Berbagai Umur Semai Dengan Teknik Budidaya SRI (System of Rice Intensification. *e-J. Agrotekbis* 2 (1) : 32-37
- Yin, W., Guo, Y., Hu, F.L., Fan, Z.L., Feng, F.X., Zhao, C., Yu, A.Z., Chai, Q. 2018a. Wheat-maize Intercropping With Reduced Tillage and Straw Retention: A Step Towards Enhancing Economic and Environmental Benefits in Arid Areas. *Front. Plant Sci.* 9, 1328. <https://doi.org/10.3389/fpls.2018.01328>.
- Yin, W., Chai, Q., Zhao, C., Yu, A., Fan, Z., Hu, F., Fan, H., Guo, Y., Coulter, J.A. 2020. Water Utilization in Intercropping: A Review. *Agriculture Water Management* 241 (2020) 106335. <https://doi.org/10.1016/j.agwat.2020.106335>
- Yoshida, S. 1981. *Fundamentals of rice crop science*. Int. Rice Res. Inst., Los Banos, The Philippines
- Yulina, N., Ezward, C., Haitami, A. 2021. Karakter Tinggi Tanaman, Umur Panen, Jumlah Anakan, dan Bobot Panen Pada 14 Genotipe Padi Lokal. *Jurnal Agrosains dan Teknologi* Vol. 6 No. 1 Juni 2021
- Yunizar. 2013. Pengelolaan Pupuk P dan K Pada Pola Tanam Padi-Padi di Kecamatan Tambang, Kabupaten Kampar, Riau dalam Prosiding Seminar Nasional Pertanian Organik, Universitas Gadjah Mada, Yogyakarta 28-29 Agustus.