

DAFTAR PUSTAKA

- Al Ghifari, S.U., Supriyanta, Basunanda, P., Alam, T., Widyawan, M.H., Taryono, & Kristamtini. 2021. Evaluasi Galur Harapan Padi Hitam (*Oryza sativa* L.) Berdaya Hasil Tinggi dan Berumur Genjah. *Vegetalika*, 10(2): 94-106. DOI: <https://doi.org/10.22146/veg.45011>
- Anggraeni, A.S., Alam, L.P.M., Utami, I.D., Khasanah, Y., Nurfahmi, L., Noviana, I.M.P., & Suratno, A.W. 2025. Untargeted metabolomic LC-HRMS combined with chemometric reveal metabolites change from sorghum flakes affected by food processing. *Case Studies in Chemical and Environmental Engineering*, 11:1-10. DOI:[10.1016/j.cscee.2024.101034](https://doi.org/10.1016/j.cscee.2024.101034)
- Aydogan, C. 2020. Liquid chromatography-high resolution mass spectrometry for the analysis of bioactive natural products. *Studies in Natural Products Chemistry*, 66: 331-353. DOI: <https://doi.org/10.1016/B978-0-12-817907-9.00012-X>
- Azizi, P., Raffi, M.Y., Maziah, M., Abdullah, S.N.A., Hanafi, M.M., Latif, M.A., Rashid, A.A., & Sahebi, M. 2015. Understanding the shoot apical meristem regulation: A study of the phytohormones, auxin and cytokinin, in rice. *Mechanisms of Development*, 135: 1-15. DOI: <https://doi.org/10.1016/j.mod.2014.11.001>
- Bae, I.Y., An, J.S., Oh, I.K. & Lee, H.G. 2017. Optimized preparation of anthocyanin-rich extract from black rice and its effects on in vitro digestibility. *Food Science and Biotechnology*, 26(5): 1415-1422. DOI: [10.1007/s10068-017-0188-x](https://doi.org/10.1007/s10068-017-0188-x)
- BB Padi. 2009. *Pedum IP Padi 400: Peningkatan produksi padi melalui pelaksanaan IP padi 400*. Badan Penelitian dan Pengembangan Petanian. I S B N 978-979-540-041-7
- Bhambhani, S., Kondhare, K.R., & Giri, A.P. 2021. Diversity in chemical structures and biological properties of plant alkaloids. *Molecules*, 26(11): 3374. DOI: <https://doi.org/10.3390/molecules26113374>
- Black, H.S., Boehm, F., Edge, R. & Truscott, T.G. 2020. The benefits and risks of certain dietary carotenoids that exhibit both anti- and pro-oxidative mechanisms – A comprehensive review. *Antioxidants* 9(3): 264. DOI: <https://doi.org/10.3390/antiox9030264>
- Camagna, M., Grundmann, A., Bar, C., Koschmieder, J., Beyer, P., Welsch, R. 2018. Enzyme fucion removes competition for geranylgeranyl diphosphate in carotenogenesis. *Plant Physiology*, 179(3): 1013-1017. DOI: [10.1104/pp.18.01026](https://doi.org/10.1104/pp.18.01026)
- Camara, J.S., Perestrelo, R., Ferreira, R., Berenguer, C.V., Pepeira, J.A.M., & Castilho, P.C. 2024. Plant-derived terpenoids: A plethora of bioactive compounds with several health functions and industrial applicatins-A comprehensive overview. *Molecules*, 29(16): 3861. DOI: <https://doi.org/10.3390/molecules29163861>
- Canizares, L., Meza, S., Peres, B., Rodrigues, L., Jappe, S.N., Coradi, P.C., & de Oliveira, M. 2024. Functional foods from black rice (*Oryza sativa* L.): An overview of the influence of drying, storage, and processing on bioactive molecules and health-promoting effects. *Foods*, 13(7): 1088. DOI: <https://doi.org/10.3390/foods13071088>

- Carvalho, L.M.J.D., Gomes, P.B., Godoy, R.L.D.O., Pacheco, S. Monte, P.H.F.D.M., Carvalho, J.L.V.D., Nutti, M.R., Neves, A.C.L., Vieira, A.C.R.A., & Ramos, S.R.R. 2012. Total carotenoid content, α -carotene and β -carotene, of landrace pumpkins (*Cucurbita moschata* Duch): A preliminary study. *Food Research International* 47: 337-340. DOI:10.1016/j.foodres.2011.07.040
- Chetty, U., Chrungoo, N.K., & Kulkarni, K. 2019. Comparative transcriptomics approach in elucidation of carotenoid biosynthesis regulation in grains of rice (*Oryza sativa* L.). *Scientific Reports*, 7(9): 1631. DOI:10.1038/s41598-018-38233-8
- Choma, I.M. & Nikolaichuk, H. 2022. TLC bioprofiling-A tool for quality evaluation of medicinal plants. *Evidence-Based Validation of Herbal Medicine*. Elsevier: 407-4422.
- Das, M., Dash, U., Mahanand, S.S., Nayak, P.K., Kesavan, R.K. 2023. Black rice: a comprehensive review on its bioactive compounds, potential health benefits and food applications. *Food Chemistry Advances*, 3:100462. DOI: <https://doi.org/10.1016/j.focha.2023.100462>
- Ding, M., Zhu, Y. & Kinoshita, T. 2023. Stomatal properties of *Arabidopsis cauline* and rice flag leaves and their contributions to seed production and grain yield. *Journal of Experimental Botany*, 74(6): 1957-1973. DOI: <https://doi.org/10.1093/jxb/erac492>
- Du, X., Zhang, Y., Hou, T., Zhao, Z.Z., Li, D., Kang, M., Wen, X., Tang, F. & Wang, F. 2025. Effect of nitrogen fertilizer regulation on rice panicle morphology, yield, and economic benefits under low-temperature stress. *Front. Plant Sci*, 16. DOI: <https://doi.org/10.3389/fpls.2025.1720280>
- Fabresse, N. 2025. LC-HRMS: Benefits and limitations in clinical and forensic toxicology. *Toxicologie Analytique et Clinique*, 37(1) <https://doi.org/10.1016/j.toxac.2024.11.010>
- Fatchiyah, F., Sari, D.R.T., Safitri, A., & Cairns, J.R.K. 2020. Phytochemical compound and nutritional value in black rice from Java Island, Indonesia. *Sys Rev Pharm*, 11(7): 414-421. DOI: 10.31838/srp.2020.7.61
- Firnia, D., Ari, T.S., & Setiawan, J. 2022. Penyuluhan evaluasi status kesuburan tanah untuk menunjang peningkatan produktivitas padi. *Jurnal Pengabdian Dinamika*, 9(2): 1-6. DOI:10.62870/dinamika.v9i2.17855
- Fitriani, N., Suwanto, & Sutarto. 2016. Analisis komparatif usaha tani padi varietas situ bagendit dengan varietas IR 64 di Desa Sidowayah Kecamatan Polanharjo Kabupaten Klaten. *AGRISTA*, 4(3):135-145. SSN 2302-1713
- Fitzgerald, T.L., Waters, D.L.E., & Henry, R.J. 2009. Betaine aldehyde dehydrogenase in plants. *Plant Biology*, 11(2): 119-130. DOI:10.1111/j.1438-8677.2008.00161.x
- Fredy, P.C., Noceda, C., Maridueno, M.G., & Cevallos, J.M. 2021. Metabolomics, a powerful tool for understanding plant abiotic stress. *Agronomy*. 11(5). 824. <https://doi.org/10.3390/agronomy11050824>
- Garcia, A., Gaju, O., Bowerman, A.F., Buck, S.A., Evans, J.R., Furbank, R.T., Gilliam, M., Millar, A.H., Pogson, B.J., Reynolds, M.P., Ruan, Y., Taylor, N.L., Tyerman, S.D., & Atkin, O.K. 2023. Enhancing crop yields through improvements in the efficiency of photosynthesis and respiration. *New Phytol*, 237(1): 60-77. DOI: 10.1111/nph.18545

- Garg, A.K., Kim, J., Owens, T.G., Ranwala, A.P., Choi, Y.D., Kochian, L.V., & Wu, R.J. 2002. Trehalose accumulation in rice plants confers high tolerance levels to different abiotic stresses. *Proceedings of the National Academy of Sciences*, 99(25): 15898-15903. DOI: [10.1073/pnas.252637799](https://doi.org/10.1073/pnas.252637799)
- GBIF Secretariat. 2023. *GBIF Backbone Taxonomy: Oryza sativa L.* Checklist dataset <https://doi.org/10.15468/39omei> accessed via GBIF.org on 2026-05-10.
- Ghasemzadeh, A., Karbalaii, M.T., Jaafar, H.Z.E., & Rahmat, A. 2018. Phytochemical constituents, antioxidant activity, and antiproliferative properties of black, red, and brown rice bran. *Chemistry Central Journal*, 12(17): 1-13. DOI: <https://doi.org/10.1186/s13065-018-0382-9>
- Hanum, L., Windusari, Y., Setiawan, A., Hidayat, M.D.R., Adriansyah, F., Mubarak, A.A. & Pratama, R. 2018. *Morfologi dan molekuler padi lokal Sumatera Selatan*. CV. Amanah. Palembang.
- He, J., Cheng, K., Yang, Z., Geng, J., Jin, W. & Abd El-Aty, A.M. 2025. Characterization of carotenoids and flavonoids in Yangxian pigmented rice varieties through LC-MS/MS-based targeted metabolomics and multivariate statistics. *Current Research in Food Science*, 11:101201. DOI: <https://doi.org/10.1016/j.crfs.2025.101201>
- Hong, B., Zhang, S., Yuan, D., Shan, S., Zheng, J., Sha, D., Chen, D., Yin, W., Lu, S. & Ren, C. 2025. Changes in bioactive constituents in black rice metabolites under different processing treatments. *Foods*, 14(9): 1630. DOI: <https://doi.org/10.3390/foods14091630>
- Hu, C. Rao, J., Song, Y., Chan, S., Tohge T., Cui, B., Lin, H., Fernie, A.R., Zhang, D., & Shi, J. 2020. Dissection of flag leaf metabolic shifts and their relationship with those occurring simultaneously in developing seed by application of non-targeted metabolomics. *Plos One*, 15(1). DOI: [10.1371/journal.pone.0227577](https://doi.org/10.1371/journal.pone.0227577)
- Huang, Y., Xie, Z., Chen, D., Chen, H., Zeng, Y., & Dai, S. 2025. Prediction of rice plant height using linear regression model by pyramiding plant height-related alleles. *Int. J. Mol*, 26(13): 6249. DOI: <https://doi.org/10.3390/ijms26136249>
- Ikeda, N., Kamimura, M., Uesugi, K., Kobayashi, T., & Che, F. 2024. Choline chloride and N-allylglycine promote plant growth by increasing the efficiency of photosynthesis. *Biosci Biotechnol Biochem*, 89(1): 51-61. DOI: [10.1093/bbb/zbae145](https://doi.org/10.1093/bbb/zbae145)
- Jiji, K.N. & Muralidharan, P. 2021. Identification and characterization of phytoconstituents of ethanolic root extract of *Clitoria ternatea* L. utilizing HR-LCMS analysis. *Plant Sci Today*, 8(3): 535-540. DOI: <https://doi.org/10.14719/pst.2021.8.3.1141>
- Kantikowati, E., Karya, Khotimah, I.H. 2022. Pertumbuhan dan hasil jagung manis (*Zea mays* Saccharata Sturt) varietas paragon akibat perlakuan jarak tanam dan jumlah benih. *Jurnal Ilmiah Pertanian*, 4(2):1-10 DOI:[10.55222/agrotatanen.v4i2.828](https://doi.org/10.55222/agrotatanen.v4i2.828)
- Khursid, N., Bukhari, M.A., Ahmad, T., Ahmad, Z., Jatoi, W.N., Abbas, S.M., Latif, A., Raza, A., Aurangzaib, M., Hashem, A., Avila-Quezada, G.D., & Abd_Allah, E.F. 2023. Exogenously applied nicotinic acid alleviates drought stress by enhancing morpho-physiological traits and antioxidant defense mechanisms in wheat. *Ecotoxicology and Environmental Safety*, 263: 115350. DOI: <https://doi.org/10.1016/j.ecoenv.2023.115350>

- Kostic, I., Milanovic, S., Koctis, M., Jovanovic, D.S., Calic, D., Jankovsky, L. & Lazarevic, J. 2022. Antifeeding, toxic, and growth-reducing activity of *trans*-Anethole and S-(+)-carvone against larvae of the gypsy moth *Lymantria dispar* (L.). *Agronomy*, 12(12):3049. DOI: <https://doi.org/10.3390/agronomy12123049>
- Kristantini, Sutarno, Wiranti, E.W., & Widyayanti, S. 2016. Kemajuan genetik dan heritabilitas karakter agronomi padi beras hitam pada populasi F2. *Jurnal Penelitian Pertanian Tanaman Pangan*, 35(2):119. DOI: [10.21082/jpntp.v35n2.2016.p119-124](https://doi.org/10.21082/jpntp.v35n2.2016.p119-124)
- Kristantini, Taryono, Basunanda, P., & Murti, R.H. 2017. Korelasi kandungan antosianin total dengan peubah warna (L^* , a^* , dan b^*) dan penanda mikrosatelit pada beras hitam. *Jurnal Penelitian Pertanian Tanaman Pangan*, 1(2): 115-124. DOI: [10.21082/jpntp.v1n2.2017.p115-124](https://doi.org/10.21082/jpntp.v1n2.2017.p115-124)
- Kristantini, Wiranti, E.W., & Sutarno. 2018. Variasi warna dan kandungan antosianin varietas lokal beras hitam Yogyakarta pada dua ketinggian. *Buletin Plasma Nutfah*, 24(2): 99-106. DOI: [10.21082/blpn.v24n2.2018.p97-102](https://doi.org/10.21082/blpn.v24n2.2018.p97-102)
- Kristantini. 2014. Kajian genetik warna beras padi. Program Pasca Sarjana Fakultas Pertanian Universitas Gadjah Mada Yogyakarta. Disertasi, Tidak dipublikasi.
- Kushwaha, U.K.S. 2016. *Black rice research, history and development*. Springer International Publishing. Nepal. DOI: [10.1007/978-3-319-30153-2](https://doi.org/10.1007/978-3-319-30153-2)
- Lajis, N., Maulidiani, M., Abas, F. & Ismail, I.S. 2017. Metabolomics approach in pharmacognosy. *Pharmacognosy*:597-616.
- Leonardi, M., Maggi, F., Quassinti, L., Bramucci, M., Lupidi, G., Papa, F., Vittori, S.E.J., & Sagratini, G. 2010. Bioactive phthalides from Apiaceae plants. *Natural Product Communications*, 5(4): 651-658.
- Liu, N., Hou, L., Bao, J., Wang, L., & Chen, X. 2021. Sphingolipid metabolism, transport, and functions in plants: Recent progress and future perspectives. *Plant Communications*, 2(5):100214. DOI: [10.1016/j.xplc.2021.100214](https://doi.org/10.1016/j.xplc.2021.100214)
- Mangiri, J., Mayulu, N., Kawengian, S.E.S. 2016. Gambaran kandungan zat gizi pada beras hitam (*Oryza sativa* L.) kultivar pare ambo Sulawesi Selatan. *Ebiomedik*, 4(1): 1-5. DOI: <https://doi.org/10.35790/ebm.v4i1.11050>
- Marchese, A., Arciola, C.R., Barbieri, R., Silva, A.S., Nabavi, S.F., Sokeng, A.J.T., Jafari, N.J., Suntar, I., Daglia, M., & Nabavi, S.M. 2017. Update on monoterpenes as antimicrobial agents: A particular focus on p-Cymene. *Materials*, 10(947): 1-15. DOI: [10.3390/ma10080947](https://doi.org/10.3390/ma10080947)
- Masniawati, A., Baharuddin, Joko, T., & Abdullah, A. 2015. Pemuliaan tanaman padi aromatik lokal kabupaten Enrekang Sulawesi Selatan. *Jurnal Sainsmat*, 4(2):205-213.
- Messaoudi, A., Labdelli, F., Rebouh, N.Y., Djerbaoui, M., Kucher, D.E., Hadjout, S., Ouaret, W., Zakharova, O.A., & Latati, M. 2023. Investigating the potassium fertilization effect on morphological and agrophysiological indicators of durum wheat under mediterranean rain-fed conditions. *Agriculture*, 13(6): 1142. DOI: <https://doi.org/10.3390/agriculture13061142>
- Millati, T., Pranoto, Y., Bintoro, N., Utami, T. 2017. Pengaruh suhu penyimpanan pada gabah basah yang baru dipanen terhadap perubahan mutu fisik beras giling. *AGRITECH*, 37(4): 477-485. DOI: [http://doi.org/10.22146/agritech](https://doi.org/10.22146/agritech)

- Mirnawati, Syafi'I, M., Laksono, R.A., Safitri, H., & Lestari, P. 2022. Pengaruh waktu emaskulasi terhadap keberhasilan persilangan beras hitam x beras putih dan evaluasi karakter agronomi tetua persilangan. *Jurnal Ilmiah Wahana Pendidikan*. 8(1). 209-221.
- Mohapatra, P.K. & Sahu, B.B. 2022. *Panicle architecture of rice and its relationship with grains filling*. Springer Nature Switzerland. DOI: [10.1007/978-3-030-67897-5_2](https://doi.org/10.1007/978-3-030-67897-5_2)
- Monareh, J. & Ogie, T.B. 2020. Disease control using biopesticide on rice plants (*Oryza sativa* L.). *Jurnal Agroekoteknologi Terapan*, 1(1): 11-13. DOI: <https://doi.org/10.35791/jat.v1i1.33978>
- Nabilla, A. & Chatri, M. 2024. Peranan senyawa metabolit sekunder untuk pengendalian penyakit pada tanaman. *Jurnal Pendidikan Tambusai*, 8(1): 15900-15911. DOI: <https://doi.org/10.31004/jptam.v8i1.14640>
- Navarova, H., Bernsdorff, F., Doring, A., & Zeier, J. 2012. Pipecolic acid, an endogenous mediator of defense amplification and priming, is a critical regulator of inducible plant immunity. *Plant Cell*, 24(15):23-41. DOI: [10.1105/tpc.112.103564](https://doi.org/10.1105/tpc.112.103564)
- Nirbaya, A., Nurhayati, A.D., Nusa, C.P., Soekopitojo, S., Kurniawan, A.L., Handoko, D.D., Sepbrina, A.F., Prastiwi, D.O.W., Puspitasari, D.A., Athaya, N., Al Badwani, M.Y., & Araminta, D.A. 2024. Physical characteristics of instant black rice (*Oryza sativa* L.) cempo ireng variety, indigenous of Indonesia. *BIO Web of Conferences*. 96:1-7. DOI: [10.1051/bioconf/20249601023](https://doi.org/10.1051/bioconf/20249601023)
- Norfai. 2020. *Manajemen data menggunakan SPSS*. Universitas Islam Kalimantan, Banjarmasin.
- Nugraha, A., Sudirman, Septian, Y.S., & Murwenie, I. 2024. Perspektif ekonomi dan sosial konsumen terhadap daya beli beras merah dan beras putih di pasar Bayongbong Kabupaten Garut. *Jurnal EMBA*, 2(2): 249-261. DOI: [10.59820/emba.v3i1.281](https://doi.org/10.59820/emba.v3i1.281)
- Nurdiana. 2022. *Fisiologi Tumbuhan*. Prenada. Mataram.
- Nurhidayah, S. & Isnaeni, S. 2019. Keberhasilan Persilangan Padi Beras Putih dan Padi Beras Hitam (*Oryza sativa* L.). *Jurnal Agrosintesa*, 2(2): 82-87. DOI: <https://doi.org/10.33603/jas.v2i2.3599>
- Oikawa, T., Maeda, H., Oguchi, T., & Yamaguchi, T. 2015. The birth of a black rice gene and its local spread by introgression. *The Plant Cell*, 27(9): 2401-2414. DOI: [10.1105/tpc.15.00310](https://doi.org/10.1105/tpc.15.00310)
- Paliwangi, R.M., Anggi, V., Yanuarty, R. & Rakanita, Y. 2024. LC-HRMS analysis of abelmoschus Manihot medit from Palu of Central Sulawesi. *Journal of Research in Science Education*, 10(9): 1-7. DOI: [10.29303/jppipa.v10i9.8948](https://doi.org/10.29303/jppipa.v10i9.8948)
- Parari, T.T., Riadi, M., Sjahril, R., Limbongan, T., & Putra, Y. 2022. Uji keberhasilan persilangan, heterosis, dan penampilan F₁ padi lokal Pare Bau x Inpari 4. *Jurnal Agro*. 9(1). 116-130. <https://doi.org/10.15575/14987>
- Park, S., Kim, B., & Park, S. 2022. Effects of fisetin, a plant-derived flavonoid, on response to oxidative stress, aging, and age-related diseases in *Caenorhabditis elegans*. *Pharmaceuticals*, 15(12): 1528. DOI: [10.3390/ph15121528](https://doi.org/10.3390/ph15121528)
- Post, P.C. & Schlautman, M.A. 2020. Measuring Camellia petal color using a portable color sensor. *Horticulturae*, 6(53): 1-15. DOI: <https://doi.org/10.3390/horticulturae6030053>

- Puspitasari, S.A. & Indradewa, D. 2023. Metode standarisasi warna krisan (*Chrysanthemum*). *Vegetalika*, 12(3): 272-281. DOI: [10.22146/veg.75631](https://doi.org/10.22146/veg.75631)
- Sahara, D., Chanifah, Kurniyati, E., & Hartono, B. 2021. Presepsi dan preferensi petani terhadap karakteristik varietas unggul padi gogo di Kabupaten Boyolali, Jawa Tengah. *Pangan*, 30(3): 155-166.
- Saia, S., Fragasso, M., De Vita, P., & Beleggia, R. 2019. Metabolomics provides valuable insight for the study of Durum Wheat: A Review. *J. Agric. Food Chem*, 67:3069-3085.
- Santosa, B. & Metri, Y. 2024. Pengaruh jarak tanam terhadap pertumbuhan dan hasil padi sawah (*Oryza sativa* L.). *Jurnal Agriculture*, 19(1): 1-11. P-ISSN : 1412-4262;E-ISSN:2620-7389
- Sathasivam, R., Radhakrishnan, R., Kim, J.K. & Park, S.U. 2021. An update on biosynthesis and regulation of carotenoids in plants. *South African Journal of Botany*, 140: 290-302. DOI: <https://doi.org/10.1016/j.sajb.2020.05.015>
- Shrestha, B., Kawasaki, A. & Zin, W.W. 2021. Development of flood damage function for agricultural crops and their applicability in regions of Asia. *Journal of Hydrology Regional Studies*, 36(3): 100872. DOI:[10.1016/j.ejrh.2021.100872](https://doi.org/10.1016/j.ejrh.2021.100872)
- Silitonga, T.S., Somantri, I.H., Daradjat, A.A., & Kurniawan, H. 2003. *Panduan Sistem Karakterisasi dan Evaluasi Tanaman Padi*. Departemen Pertanian Balai Penelitian dan Pengembangan Pertanian Komisi Nasional Plasma Nutfah. Bogor.
- Sofian, A., Nandariyah, Djoar, D.W., & Sutarno. 2019. Estimation variability, heritability and genetic advance of mitan black rice (M6). *Journal of Sustainable Agriculture*, 34(2), 170-178. DOI: <https://dx.doi.org/10.20961/carakatani.v34i2.27666>
- Song, Y., Yang, S., Khan, A., Zhou, H., Sun, Z., Wu, J., Ding, L., Xiong, J., Mei, W., Zheng, D. 2024. Comparative study on growth characteristics and yield of colored rice varieties. *Agronomy*, 14(12): 3038. DOI: <https://doi.org/10.3390/agronomy14123038>
- Suparwoto, Hadiyanti, D., & Waluyo. 2023. Keragaman agronomi padi varietas Inpari di sawah irigasi Kabupaten OKU Timur Sumatera Selatan. *Jurnal Prodi Agribisnis*, 4(1): 13-18. DOI: [10.56869/kaliagri.v4i1.464](https://doi.org/10.56869/kaliagri.v4i1.464)
- Sution & Agus, A. 2020. Keragaan varietas unggul baru padi gogo di daerah perbatasan Kalimantan Barat. *Jurnal Agrica Ekstensia*, 14(2):137-142.
- Tyas, A.A., Suyana, & Wasilah, S.Z. 2021. Utilization of rice bran (*Oryza sativa* L.) Situ Bagendit variety as an alternative media for fungal growth *Trichophyton mentagrophytes*. *Proceeding: The 8th International Conference on Health Science*, 8(1): 82-87.
- Widyayanti, S., Basunanda, P., Mitrowiharjo, S. & Kristamtini. 2017. Keragaman genetik dan heritabilitas karakter agronomi galur F4 padi beras hitam. *Jurnal Penelitian Pertanian Tanaman Pangan*, 1(3):191. DOI:[10.21082/jpntp.v1n3.2017.p191-199](https://doi.org/10.21082/jpntp.v1n3.2017.p191-199)
- Wiyono, T., Frediansyah, A., Sholikhah, E.N., & Pratiwi, W.R. 2022. UHPLC-ESI-MS analysis of Javanese *Tamarindus indica* leaves from various tropical zones and their beneficial properties un relation to antiobesity. *Journal of Applied Phamaceutical Sciences*, 12(08): 137-147. DOI: 0.7324/JAPS.2022.120814

- Xia, D., Zhou, H., Wang, Y., Li, P., Fu, P., Wu, B., & He, Y. 2021. How rice organs are colored: the genetic basis of anthocyanin biosynthesis in rice. *The Crop Journal*, 9(3): 598-608. DOI: <https://doi.org/10.1016/j.cj.2021.03.013>
- Xia, Z., Fan, W., Liu, D., Chen, Y., Lv, J., Xu, M., Zhang, M., Ren, Z., Chen, X., Wang, X., Li, L., Zhu, P., Liu, C., Song, Z., Huang, C., Wang, X., Wang, S., & Zhao, A. 2024. Haplotype-resolved chromosomal-level genome assembly reveals regulatory variations in mulberry fruit anthocyanin content. *Horticulture Research*, 11(6). DOI: [10.1093/hr/uhae120](https://doi.org/10.1093/hr/uhae120)
- Zhang, D., Zhao, L., Wang, W., Wang, Q., Liu, J., Wang, Y., Liu, H., Shang, B., Duan, X., & Sun, H. 2022. Lipidomics reveals the changes in non-starch and starch lipids of rice (*Oryza sativa* L.) during storage. *Journal of Food Composition and Analysis*, 105: 104205. DOI: <https://doi.org/10.1016/j.jfca.2021.104205>
- Zheng, P., Shi, S., Wang, Z., Ji, Y., Luo, H., Ouyang, H., Shi, Y., Xing, Y., Li, D., Sun, J., Guan, C., & Xu, B. 2025. Dihydroartemisinin inhibits oral cancer cell migration, associated with impairment of cytoskeleton organization and cell membrane fluidity. *Food Bioscience*, 68:106648. DOI: <https://doi.org/10.1016/j.fbio.2025.106648>