**Staff Handbook**

| | | | |
|---|---|---|---|
| Name | Dr. Ir.Sunawan, M.P. | | |
| Position | Lecturer | | |
| Academic career | Initial academic appointment | Agrotechnology Department, Agriculture Faculty, University of Islam Malang, Indonesia | 1987 |
| | Doctoral degree | Agriculture Faculty, University of Brawijaya, Indonesia | 2019 |
| | Master degree | Agriculture Faculty, University of Brawijaya, Indonesia | 1996 |
| | Undergraduate degree | Agriculture Faculty, University of Islam Malang, Indonesia | 1986 |
| Employment | Lecturer | Agrotechnology Department, Agriculture Faculty, University of Islam Malang | 1987-now |
| Subject Module | • Introduction to Agricultural Science<br>• Agricultural Biotechnology<br>• Agroecosystem Management<br>• Mushroom Breeding and Cultivation Technology<br>• Management of Bioenergy-Producing Crops | | |
| Research and development projects over the last 5 years | • Increasing Solar Energy Efficiency Through Improvement of Glutinous Rice Cultivation Technology (*Oryza Sativa Glutinous* L.) (2015-2017)<br>• Effect of varieties and seedlings number on the yield and solar energy utilization of glutinous rice (*Oryza Sativa* L. Glutinous) (2016-2017)<br>• Effect of Nitrogen Fertilizer Dosage and Seedlings Age on the Yield and Use of Solar Energy in Glutinous Rice (*Oryza sativa* Glutinous L.). (2016-2017)<br>• Application of Urea Fertilizer Dosage and Seedling Age on Growth and Yield of Glutinous Rice Plants (Oryza sativa glutinous L.)(2018)<br>• GA3 and NPK Fertilization Applications Affect *Phalaenopsis amabilis* L. orchid for Plant Growth. (2019-2020) | | |
| Industry collaborations over the last 5 years | -as a reseacher at CV. MULTI KARYA KARUNIA | | |
| Patents and proprietary rights | - | | |
| Important publications over the last 5 years | • Sunawan, T. Islami, E. Widaryanto and Y. Sugito, 2018. Effect of varieties and seedlings number on the yield and solar energy utilization of glutinous rice (*Oryza Sativa* L. Glutinous). BIOSCIENCE RESEARCH, 15(2): 1012-1019. | | |

| | |
|---|---|
| | • Sunawan, Y. Sugito, E. Widaryanto and T. Islami, 2018. Effect of Nitrogen Fertilizer Dosage and Seedlings Age on the Yield and Use of Solar Energy in Glutinous Rice (*Oryza sativa* Glutinous L.). BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA, 15(2), p. 447-454<br>• Sunawan, R.N.S.Handoko, I. R. Rahayu, A. Afandhi. 2020. GA3 and NPK Fertilization Applications Affect *Phalaenopsis amabilis* L. orchid for Plant Growth. J-PAL, 11(1): p. 1-6<br>• Sunawan dan Sugiarto. (2020). Application of Urea Fertilizer Dosage and Seedling Age on Growth and Yield of Glutinous Rice Plants (Oryza sativa glutinous L.). J. FOLIUM, 3(2) : 96-107<br>• Sugiarto, dan Sunawan. (2020). Response of single garlic (Allium sativum L.) on application of siplo induction duration and rabbit urine. J. FOLIUM, 4(1) : 1-9<br>• Miftahur Rohmah, Sunawan, dan Novi Arfarita. (2020). Test Effect of Biological Fertilizer Vermiwash And Pathogenicity Against Six VP3 Seedlings. Jurnal Folium 4(1): 23-31<br>• Putri Nur Azizah, Sunawan, dan Novi Arfarita.(2021). Field Application of Vp3 Biofertilizers Compared to Four Kinds of general Biofertilizers on Soybean Crop Production (Glycine Max L.). J. FOLIUM, 5(1) : 26-41 |
| Activities in specialist bodies over the last 5 years | • Management in agricultural development institute of NU (LPP-NU), Kota Malang (2020-2024)<br>• Reviewer Journal Food Research, Malaysia, 2020 |