STAFF HANDBOOK

Name	*Dr. Dalia Sukmawati, M.Si*
Position	*Microbiology and Mycology Lecturer*
Academic Career	● *Doctor (Microbiology) University of Indonesia, Depok, Indonesia, 2014* ● *Masters of Biology (Microbiology),) University of Indonesia, Depok, Indonesia, 2000* ● *Bachelor of Science (Biology Education), Jakarta State of University,1994* *Research Interest:* *My research is focused on the analysis of fungi communities from phylloplane, fermented food, fruit, flowers and their role in the ecosystems using modern molecular techniques in microbial genomics. I am also working on isolation of fungi for produce enzyme, biological control, mycotoxin, and exploitation for secondary metabolites.*
Employment	*Lecturer Universitas Negeri Jakarta 2006 -now* *Lecturer UHAMKA 1999-2006*
Research and Development project over the last 5 years	● Potential Of *Candida Chrysomelidarum* And *Rhodotorula Toruloides* As A Probiotic Agent To Inhibited Pathogen Molds For Improving Livestock Quality.2020. ● Omic application on Indonesian original fermented food; effort standardization and development to international quality standard.2020. ● Application Of Killer Yeast Originating From Phylloplane As A Biocontrol Agent For Molds Deterrence Purposes In Postharvest Fruits:A Pesticide Alternative. (UNJ Grand Funding).2020. ● Immobilization of cells and optimization of yeast fermentation condition of amyase-producing yeast originating from Indonesia; Potential fructose sugar producers for people with Diabetes (University UNJ Grand). 2018.
Industry collaboration over the last 5 year	*Collaboration with Innovation Center for Tropical Science*
Patents and proprietary	● *Yeast as biological control agent for inhibited rot in fruit*

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Important publications over the last 5 years	• **Dalia Sukmawati***, Andisa Shabrina, Reni Indrayanti, Tri Handayani Kurniati, Muktiningsih Nurjayadi, Iman Hidayat, Shabrina Nida Al Husna, Nuniek Ina Ratnaningtyas, Hesham El Enshasy, Daniel Joe Dailin, Abd El-Latif Hesham. 2020.Antifungal mechanism of Rhodotorula mucilaginosa and Aureobasidium sp. nov. isolated from Cerbera manghas L. against the growth of destructive molds in postharvested apples. Recent Patents on Food, Nutrition & Agriculture. DOI : 10.2174/2212798411666200423101159. Q3/ SJR= 0.22. • **Sukmawati, D**., Andrianto, M.H., Arman, Z. et al. Antagonistic activity of phylloplane yeasts from Moringa oleifera Lam. leaves against Aspergillus flavus UNJCC F-30 from chicken feed. **Indian Phytopathology** (2020). https://doi.org/10.1007/s42360-020-00194-2. Springer/ SCOPUS Q4/SJR: 0.17. • Shadia M. Abdel-Aziz, Hoda A. Hamed, **D. Sukmawati** and Neelam Garg. 2019.Microbial Catalysts Volume 2. *In* Chapter 9 Skin Pigmentation Disorders:Causal Enzyme and Safe Treatment. *Nova Science Publishers, Inc. New York* pp **235 -257.** • **D. Sukmawati**,* Z Arman , G. A. Sondana, N. N. Fikriyah, R. Hasanah , Z. N. Afifah, M. Balqis, H.E. Enshasy, S. N. A. Husna, S. Rahayu , T. H. Kurniati and R. Puspitaningrum. 2019. Potential amylase-producing yeast isolated from indigenous fermented beverages originating from Bali, Indonesia. Journal of Physics: Conference Series. 4th Annual Applied Science and Engineering Conference. 1402 (2019) 055021 IOP Publishingdoi:10.1088/1742-6596/1402/5/055021. https://iopscience.iop.org/article/10.1088/1742-6596/1402/5/055021/pdf. • Daniel Joe Dailin, Siti Zulaiha Hanapi, Elsayed Ahmed Elsayed, **Dalia Sukmawati**, Nur Izyan Wan Azelee, Jennifer Eyahmalay, Vickpasubathysiwa Siwapiragam, and Hesham El Enshasy. 2019. Recent Advancement in White Biotechnology Through Fungi Volume 2: Perspective for Value-Added Products and Environments. Springer Nature Switzerland AG 2019 65A. N. Yadav et al. (eds.), *Recent Advancement in White Biotechnology Through Fungi*, Fungal Biology, https://doi.org/10.1007/978-3-030-14846-1_2. https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxhamFyYmlvdGVjaHxneDoyN2M5ZGI0MWQ2NzE4MmY4.
Activities in specialist bodies over the last 5 years	• *Collaboration with University Technology Malaysia (UTM),* ***Malaysia*** *(2018-until now)*