



DEPARTMENT OF FOOD & AGRICULTURAL PRODUCT TECHNOLOGY

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STAFF HANDBOOK

Name	Dr. Zaki Utama, S.T.P., M.P.		
Post	Food and Nutrition Technology		
Academic career	Doctoral Degree (Food Science)	Tokyo University, Japan	2017-2024
	Master Degree (Food Science and Technology)	Universitas Gadjah Mada, Indonesia	2000-2002
	Undergraduate Degree (Food and Agricultural Product Technology)	Universitas Gadjah Mada, Indonesia	1996-2000
Employment	Lecturer	Universitas Gadjah Mada	year-present
Research and development projects over the last 5 years	No	Title of Research and Development Projects	
	1	Nanostructure Lipid Carrier (NLC) as A Carrier for Bioactive Components of Rice Bran Oil for Functional Food Ingredients Period: 2018, 2019, 2020 Amount of Financing: 393.575 million rupiah Personnel: Sri Raharjo, Zaki Utama , FMC Sigit S	
	2	Potential Oatmeal-based Foods to Boost Fecal Immunoglobulin A in Mice with High-fat Diets Period: 2018 Amount of Financing: 65 million rupiah Personnel: Zaki Utama , Sri Raharjo, Andriati N	
Industry collaborations over the last 5 years	No	Industry	Year
Patents and proprietary rights	No	Title	Year
Important publications over the last 5 years	Selected recent publications from a total of approx: 4		
	1	Puspasari, D. A., Utama, Z., & Ningrum, A. (2023). Effect of Packaging Material Types on Antioxidant Activity, Fat Content, and Ash Content in the Imported and Local Yellow Soybean Tempeh. Journal of Agricultural Engineering,	



		12(2): 302-311. http://dx.doi.org/10.23960/jtep-l.v12i2.302-311 .		
	2	Utama, Z., Raharjo, S., Murdiati, A., & Ningrum, A. (2023). Comparison of Rat Cecum Appearances Fed with Different Fat Sources Using Smartphone-Based Image Analysis. 3rd International Conference on Smart and Innovative Agriculture, 321-326. https://doi.org/10.2991/978-94-6463-122-7_29 .		
	3	Perdani, A. W., & Utama, Z. (2020). Correlation of Phytic Acid and Dissolved Protein Levels of Local Yellow (<i>Glycine max</i>) and Black (<i>Glycine soja</i>) Soybean Flour During Fermentation. Prosiding Pendidikan Teknik Boga Busana, 15(1): 1-11.		
	4	Utama, Z., Agrippina, F.D., & Nurmadhani, B.S. (2018). Comparison of Appearances and Color Indexes for Tempe with Different Packaging Using Digital Image Analysis. In: Sukartiko, A., Nuringtyas, T., Marlina, S., Isnansetyo, A. (eds) Proceeding of the 2nd International Conference on Tropical Agriculture. Springer, Cham. https://doi.org/10.1007/978-3-319-97553-5_7 .		
Activities in specialist bodies over the last 5 years	No	Organization	Role	Period