Biocatalytic Synthesis of Pharmaceutically Relevant Amides and Amino Acids

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About the author

Mohammad Zainal Abidin was born in Sukoharjo, Indonesia on 28 August 1985. He obtained his bachelor degree in Animal Science, from Universitas Gadjah Mada in August 2007. Following his graduation, he continued as a Master student at the same university, under supervision of Prof. Yuny Erwanto. Upon the completion of his master degree, he worked as a research assistant of Prof. Ambar Pertiwiningrum, focusing his research on the isolation, characterization, and production of alkaline protease from leather tannery waste. In 2012, he started his career as a lecturer/researcher at Universitas Gadjah Mada, Yogyakarta, Indonesia. He was then pursuing his PhD degree at the Chemical and Pharmaceutical Biology Department, University of Groningen (RuG), The Netherlands (2014 – 2021) under supervision of Prof. dr. G.J. Poelarends and Prof. dr. Wim J. Quax. He worked on the project entitled 'Biocatalytic Synthesis of Pharmaceutically Relevant Amides and Amino Acids', with financial support from Lembaga Pengelola Dana Pendidikan (LPDP), the ministry of finance of the Republic of Indonesia. The results of his PhD research are presented in this thesis. Now, he works on the use of enzymes in animal by-products for pharmaceutical, food, and renewable energy applications.