Description

Our focuses on the education which strengthening educational courses in the Department of Biology. Related of our research and community service, we are strengthens its research and service on various learning methods/models, learning media as well as assessment and evaluation of learning

Research Team

Biology Learning Media and Resources



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Research Interest

Biology learning resources for critical and creative thinking specific to plant taxonomy content

Recently, my research team identified an exploration of Angiotensin-Converting Enzyme 2 and an antiviral candidate from marine biota to prevent SARS Cov-2 Transmission through In Silico approach. We are currently researching future medicine by optimizing the utilization of the diversity of organisms, especially in plants and preserving that biodiversity for now and in the future.



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Research Interest

Biology learning media and technology, assessment, learning innovation, learning theory

Recently, my research team identified improvement in students' critical thinking after the Science, Environment, Technology (SETS) based learning treatment. Previously, my research team also conducted research, our research stated that learning tools with an inquiry model integrated with local wisdom to train students' critical thinking skills and critical thinking dispositions were proven valid and could be used in learning activities. We are currently working on research on solutions for the future that take advantage of enhancing student skills through quality and innovative student learning activities



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Research Interest

Biology Teaching Materials based on local wisdom that are specific to microbiological content

Recently, my research focuses on learning innovation, development of multimedia-based teaching materials, in the form of modules, books, and handouts. One of the developments that I have developed is microbiology material, critical analysis, assessment, which is packaged by integrating valid local wishdom and can be used by students. Our pedagogic team is also still continuing to develop studies on various aspects of biology and biology education which can be developed into up-to-date and multimedia-based teaching materials.