

TFK-ohjelmasta 2021 tuetut hankkeet

TFK programme funded projects 2021

Project title: Microbiology from the One Health perspective	
<p>Coordinator</p> <p>University of Helsinki</p> <p>Marko Virta marko.virta@helsinki.fi</p>	<p>Scientific and educational collaboration between Indonesia and Finland has been very active in the forestry sector but the other sections have been lagging seriously behind. Especially long-term institutional collaboration remains rare. We suggest here an intense educational collaboration between Universitas Gadjah Mada and University of Helsinki. The universities are the leading institutions not only in their respective countries but also in the global scale. The field of the proposed collaboration is Life Science and One Health which both are crucial fields of science in the global pandemic situation. Moreover, both universities have very strong emphasis on those fields in their strategies.</p> <p>A major part of the collaboration will be joint supervision of the MSc and PhD students. By that way the students will receive expert supervision in their subjects regardless of their geographical location. Joint supervision will include supervision of the exchange students and so that Helsinki based staff will supervise students in Yogyakarta and vice versa. Most of that kind of supervision will be conducted on-line but the supervisor will also make one trip to the site.</p>
<p>Partners</p> <p>Universitas Gadjah Mada (UGM)</p>	<p>The participating universities are very well aligned in their expertise. University of Helsinki will bring to the education expertise in molecular microbiology, environmental microbiology and bioinformatics whereas Universitas Gadjah Mada will bring expertise in veterinary microbiology, plant microbiology and tropical microbiology. Both participants will have the responsibility in their expertise areas, and they offer teaching and courses on those areas to the students of both universities. Moreover, the parties will organise a together a course in One Health microbiology. The course will be a combination of virtual and on-site teaching and reflect the local views and examples. The course will be organised once in Helsinki and Once in Yogyakarta.</p> <p>We will organise two on-line courses where students can participate from their host institution without travelling. First will be Bioinformatics for Microbiologist which University of Helsinki will organise. Second will be Tropical One Health Microbiology which Universitas Gadjah Mada will organise.</p> <p>We foresee that the student and staff exchange will lead to permanent collaboration where the mobility is part of the work and funded by research grants. The reformed Memorandum of Understanding will be part of the project's long-lasting effect. Under that umbrella Universitas Gadjah Mada and University of Helsinki will</p>

sign a bilateral agreement for teacher and researcher exchange. In the longer term the possibilities for joint degree programmes will be investigated.

One aim of the project is to facilitate and support the participating universities to apply joint research funding from international sources which will result to long-lasting collaboration between the participants.



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