

KYODOKAI RESEARCH GRANT FUND REPORT

1. Applicant information

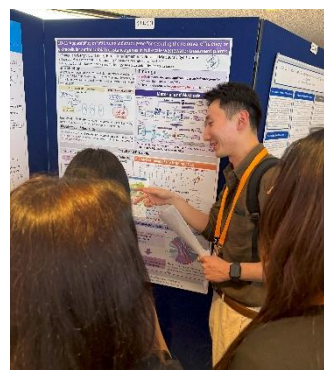
Application year : 2nd round for FY 2024
 Name : Adelia Anju Asmara
 Affiliation/Year : Research Center for Environmental Quality Management (RCEQM),
 Department of Environmental Engineering, Graduate School of Engineering, Kyoto
 University / 3rd-year PhD student
 Place of activities : Amersfoort, Netherlands

2. Activity report

I participated in Watermicro 2025, the 22nd edition of health-related water microbiology in Amersfoort, Netherlands. The event was organized by the International Water Association (IWA), especially the Health-Related Water Microbiology Specialist Group, from June 15 – 20, 2025. The conference comprises several programs, including a parallel keynote speaker, panel discussions, oral and poster presentations, workshops, excursions, expert meetings, and more, as displayed in Fig. 1. On the first day (June 15), I participated in the parallel discussions that focused on viral clues and identifying and addressing challenges in wastewater and environmental surveillance (WES). The topic I chose was related to my PhD research, where I gained various new insights into the importance of population representation and data interpretation during the surveillance activities in future research applications.



(a)



(b)

Figure 1. (a) Oral presentation located in the theater room, (b) poster presentation located in the Foyer Hall

On the second day (June 16), in addition to participating in a keynote session on climate change and health and epidemiology of waterborne diseases, I attended the Young Water Professionals (YWP) social event. During this session, we gathered in a random group consisting of

a senior and us as young professionals. We had a career talk using question cards as illustrated in Fig. 2. It was an exciting activity that allowed us to share our experiences across generations and expertise. The sharing moments became incredibly valuable guidance, lessons learned, and relationship-building opportunities between senior and young water professionals.



Figure 2. Young Water Professional social events

On the third day (June 17), I had a poster presentation after the keynote speakers discussed recreational water and health, as well as antimicrobial pathogens in water. Some participants around the world came to visit my poster. We engaged in thought-provoking conversations, and I obtained valuable feedback from them for future work. Furthermore, on June 18 and 19, we hosted a special keynote session on the health risks associated with drinking water disinfection and new perspectives on sanitation, respectively. Finally, the last day (June 20), side events from the World Health Organization (WHO) and some representatives was still held in the main venue and other excursion activities were held in different places, such as Netherlands drinking water production, research projects on Spiegelwaal and Nijmegen City, and a Green Village at the technical university of Delft as shown in Fig. 3. During the excursion, I got exposure in different lab atmosphere between Asia and Europe styles that introduced me new and innovative ideas to implement under developing country, like Indonesia. To sum up, participating in Watermicro 2025 has left me inspired by fresh ideas, new connections, and a great deal of motivation to keep pushing forward in this research field!



Figure 3. Green Village and Laboratory at the Technical University of Delft