



# Online International Symposium Sanitation Value Chain 2020



2020年12月9日(水) – 10日(木)  
15:00 – 19:00 (日本時間)

主催

Research Unit for Clean Technology – Indonesian Institute of Sciences (LIPI)  
Sanitation Value Chain Project – Research Institute for Humanity and Nature (RIHN)

## PROGRAM

● 12月9日(水) (MC: Miranti Ariyani, M.I.L)

15:00 – 15:10 開会の挨拶 (大会長挨拶)  
山内太郎 (RIHN / 北海道大学, 日本)  
Mego Pinandito (Deputy of LIPI, インドネシア)

15:10 – 16:05 基調講演 1 : **松井三郎** (京都大学, 日本)  
The hyper-thermophilic composting sewage sludge and the ash alkali composting feces  
are excellent organic fertilizers for the sustainable agriculture  
(Chair: Taro Yamauchi)

16:05 – 16:10 (休憩)

16:10 – 17:05 基調講演 2 : **Eeva-Liisa Viskari** (Tampere University of Applied Sciences, フィンランド)  
Urine: the potential, value chain and its sustainable management  
(Chair: Neni Sintawardani)

17:05 – 17:35 ポスターセッション 1 (Flash talk: 12 poster @1min + chat discussion)

■ **Poster session 1: Technology and System** (Chair: Ken Ushijima)

P101	Analysis of methane production from septage sludge of various age / Cindy Rianti Priadi (Indonesia)
P102	Evaluation of Communal WWTP Performance Based on Technology Management in Kabupaten Sleman D.I. Yogyakarta. / Zul Hazmi Luthfi (Indonesia)
P104	Characteristics of swirl flow type ozone nano bubble water generator / Anto Tri Sugiarto (Indonesia)
P105	Loading rate estimation of wastewater from batik industry in Yogyakarta area, Indonesia

	/ Any Juliani (Japan)
P106	The Comparison of the Sanitation Program After Construction in Sleman Regency, D.I. Yogyakarta / Alifia Pramudita (Indonesia)
P107	Improvement of Municipal Waste Management using System Dynamics and Zero Waste Index Approaches (Preliminary result: A Case Study, Bandung City) / Jemmy Christiady (Indonesia)
P108	Current overview of polyethylene terephthalate as biofilm media in communal wastewater treatment plant in Indonesia / Ansiha Nur (Indonesia)
P109	Association of fecal contamination and WASH conditions in a Zambian peri urban community / Chua Min Li (Japan)
P110	Exploration and identification of novel anammox bacteria in Indonesia from an eutrophic lake / Zulkarnaini (Indonesia)
P111	Potential Utilization of Oil Palm Biomass for Sanitary Products: Environmental Perspective / Arief Ameir Rahman Setiawan (Indonesia)
P112	Quantity, quality and treatment of wastewater from the tofu industry in Giriharja Hamlet, Sumedang, West Java, Indonesia / Dinda Mardiani Lubis (Indonesia)
P113	Interventions for Last Mile Districts: Achieving 100% ODF in Pangkep District in South Sulawesi / Wildan Setiabudi (Indonesia)

17:35 – 17:40 (休憩)

17:40 – 18:55 □頭発表セッション 1 (5 oral @10min+5min Q/A)

■ **Oral session 1: Sanitation technology** (Chair: Diana Rahayuning Wulan)

17:40 – 17:55	Applying an Integrated framework for Improving Sanitation Uptake and Sustainability in rural Karangasem, Bali / Ni Made Utami Dwipayanti (Indonesia)
17:55 – 18:10	Soap liquid waste due to COVID-19 pandemic in Magelang City: Challenges and recommendations / M Zaenal Arifin (Indonesia)
18:10 – 18:25	Application of Upflow Anaerobic Sludge Blanket (UASB) Reactor Technology for wastewater treatment: Technical, Environmental and Socio-Economic Assessment in Developing Countries / Philomina Mamley Adantey Arthur (Burkina Faso)
18:25 – 18:40	Used of black shale adsorbent for the removal of Sodium Adsorption Ratio (SAR) from greywater / Sangare Drissa (Cote d'Ivoire)
18:40 – 18:55	The Impact of Covid-19 Prevention Measures on Water Quality: An Indonesian Perspective / Widyaningrum (Indonesia)

18:55 – 19:00 お知らせ

● 12月10日(木) (MC: Dr. Ken Ushijima)

15:00 – 15:55 基調講演 3 : **Gun Gun Saptari Hidayat** (Bandung Waste Management Division, インドネシア)  
Sanitation value chain on Perspective of Waste Management in Bandung City  
(Chair: Myrtha Karina Sancoyorini)

15:55 – 16:00 (休憩)

16:00 – 17:00 口頭発表セッション 2 (4 oral @10min+5min Q/A)

■ **Oral session 2: Solid waste and health** (Chair: Ken Ushijima)

16:00 – 16:15	Physical and mental health on sanitation workers in an urban slum of Indonesia: Personal hygiene and the construction of self-esteem in waste-handling / Akira Sai (Japan)
16:15 – 16:30	Hazard Analysis and Critical Control Point (HACCP) of Food Stall on Campus in Yogyakarta, Indonesia / Adelia Anju Asmara (Indonesia)
16:30 – 16:45	Identification of key zero waste management indicators for West Java / Eka Jatnika Sundana (Indonesia)
16:45 – 17:00	Human Health Risk Assessment of Heavy Metals on PM2.5 in Proximity to Trafficked Roads in Pahang, Malaysia / Norhidayah binti Abdull (Malaysia)

17:00 – 17:10 (休憩)

17:10 – 17:40 ポスターセッション 2 (Flash talk: 11 poster @1min + chat discussion)

■ **Poster session 2: Health and socio-culture** (Chair: Ken Ushijima)

P201	The Urgency of Water Resources License Rule in Anjongan Area Provinsi Kalimantan Barat / Charlyna S. Purba (Indonesia)
P202	Co-creation practices on sanitation in the communities of Cameroon / Koji Hayashi (Japan)
P203	Perceptions and Potential Reuse of the effluent from Anaerobic Wastewater Treatment Plant (WWTP) treated Tofu Wastewater / Umi Hamidah (Indonesia)
P204	Assessment of The Impact of Toluene Exposure on Urinary Hippuric Acid Concentration of Batik Workers in Special Region of Yogyakarta, Indonesia / Annisa Artsani Hanif Anka (Indonesia)
P205	Assessment of Sanitation, Hygiene and Health Status of Primary School Children in a Zambian Slum / Hermes Yami Dinala (Japan)
P206	An assessment of sustainable solid waste management and occupational health in Lusaka, Zambia

	/ Joy Sambo (Japan)
P207	Menstruation and Menstrual Hygiene Management Practices among Females in an Urban Slum of Indonesia / Kotomi Sato (Japan)
P208	Infant oral contact and cooperative breeding in a hunter-gatherer society in Cameroon / Tatsuki Konishi (Japan)
P209	Knowledge, attitude, and practice of hygiene associated gross motor development delay among children in a suburban area of China / Yi ZENG (Japan)
P210	Financial feasibility of scheduled desludging service in Tangerang Regency, Banten / Rinda Masia Putri Pertiwi (Indonesia)
P211	The Ethics of Sanitation: Its Realms and Prospects / Seiji Nakao (Japan)

17:40 – 18:40 □頭発表セッション 3 (4 oral @10min+5min Q/A)

■ **Oral session 3: Sanitation and community** (Chair: Mayu Ikemi)

17:40 – 17:55	Socio-demographic and sanitation factors associated with diarrhea prevalence in peri-urban Lusaka, Zambia / Sikopo Nyambe (Japan)
17:55 – 18:10	Determine the Benefits of Changes in Community Attitudes and Their Participation in the Community-Based Water Supply and Sanitation Program (PAMSIMAS) in Landak Regency / Arip Ambulan Panjaitan (Indonesia)
18:10 – 18:25	Twinning Programme: Learning from Horizontal Learning on Domestic Wastewater Treatment in 3 Districts in South Sulawesi / Wildan Setiabudi (Indonesia)
18:25 – 18:40	Development of Community Behavior Towards Clean Sanitation to Reduce Stunting Prevalence: A case study / Mia Rahma Romadona (Indonesia)

18:40 – 18:50 総評

18:50 – 19:00 閉会の挨拶  
Ajeng Arum Sari (LIPI, インドネシア)



**Secretariat**

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