COMPLETION REPORT

Community Participation on Smart City Development: Case of Japan and Indonesia

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This study focuses on the community participation of the smart city implementation in Jakarta and Surabaya, Indonesia, and Yokohama and Kashiwa-no-ha city, Japan. In these cities, smart city implementation involved collaboration between local government, universities and/or scholars, private companies and communities. Community participation is one of important elements in smart city implementation. From these cases, we learned that smart city is not only about get benefit from sophisticated technology, but also encourage people's desire to achieve sustainability of the city.

Interestingly, compared to Jakarta, Surabaya has been started to use e-government since 2003. This city has been focusing on environmental development to create a better city. The famous mayor, Mrs. Risma Trihartini, has been brought Surabaya to be the smart environment city in Indonesia. She and her team also initiated "Free from Garbage (Merdeka dari Sampah) and Surabaya Green and Clean" Program since 2005 and the programs had been successful to encourage the community participation to be more innovative to manage waste in their villages.

Meanwhile in Jakarta, the community participation has just begun in 2015 after the local government cooperates with a start-up company that provides an application, qlue, for community's report and complaint. Through this application, the people participated actively to give inputs to the local government to provide better public services. Moreover, local communities have been emerging in several areas in Jakarta. They struggled to make a better Jakarta through various social and environmental activities, such as clean rivers, share knowledge about city, or visit the old town (Kota Tua) to introduce the history of Jakarta.

Cities in Japan also face some challenges. As the "Next-Generation Energy and Social System Demonstration Area", Yokohama, the second most densely populated city after Tokyo, has to struggle to reduce the impact of global warming and carbon emission generated from its community. Therefore, Yokohama government collaborated with several private companies to implement "Energy-Recycling City" Program. This cooperation initiated in 2015 and it aims to promote local energy production for local consumption and energy management based on specified supply. In this case, the people are encouraged to use energy effectively and efficiently and the government facilitates them to access information and education about Home Energy Management System (HEMS).

The second interesting case in Japan is Kashiwa-no-ha city. It is a new sub-city in Kashiwa city that was formed in 1990s and it is designed as a Public-Private-Academic city, which involved Tokyo University, Chiba University, the local government and private sectors. The smart city concept implemented in three main problems, (1)low-carbon society which related to the impact of global warming and energy resources issues, (2)ultra-aging society

which related to the lack of medical personnel and increasing medical costs for ageing community, and (3)low-growth society which related to the Japan industrial and economic competitiveness that tends to be stagnant. These three problems are solved by public-private-academic collaboration through intellectual exchange (learning) and pioneering projects.

Publication of the Results of Research Project:

Verbal Presentation (Date, Venue, Name of Conference, Title of Presentation, Presenter, etc.)

Thesis (Name of Journal and its Date, Title and Author of Thesis, etc.)

Team submitted two articles to The HATARU National Conference 2016. The sub-theme are "**Partisipasi Masyarakat Kota Surabaya Menyongsong Kota Cerdas Surabaya** (**Community Participation towards Surabaya Smart City**)" written by **Choerunisa Noor Syahid and Kurnia Novianti**, and the other one is "**Menuju Kota Cerdas: Pelajaran dari Konsep Smart City yang diterapkan di Jakarta dan Surabaya** (**Towards Smart City: Lessons from The Implementation of Smart City's Concept in Jakarta and Surabaya**)", written by **Kurnia Novianti and Choerunisa Noor Syahid**. Both of the papers are in Bahasa.