Smart JAMP(2021) The Study on the Development of "Banyuwangi Smart Kampung" in Banyuwangi Regency
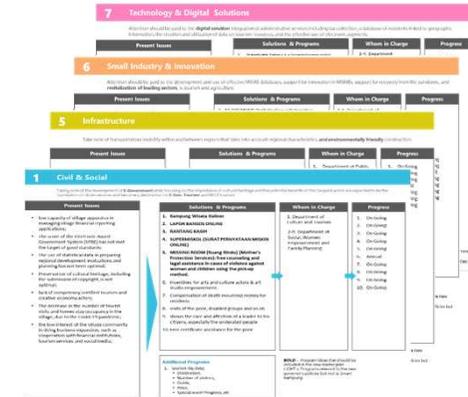
Target Area
- Banyuwangi Regency, Republic of Indonesia

Background and Purpose
- In Indonesia, the "Smart City 100" plan, which is promoting cities in the country to be smart cities, has been formulated since 2016. In Banyuwangi, the "Smart Kampung Master Plan (MP)"* has been established and is driving cities to be smarter, but it is still necessary to review the MP with the current social environment and advanced technology as well as to gain a widespread use in the nation.
  ※Instead of only focusing on advanced technologies, we advocate the promotion of smart cities and smart kampungs (villages) from the perspective of local residents of the city (village).
- Review the programs in the Smart Kampung MP, and to identify focus areas and programs to be promoted, and to examine priority programs.

Related Organization
- Ministry of Home Affair, Banyuwangi Regency (Information and Communication Bureau, Tourism Bureau, Small and Medium Enterprise Bureau, Infrastructure Bureau), University of Brawijaya, relevant villages, etc.

Project Stage
- Master Plan

Contents and Results

1．Selecting Programs for review of the master plan
- While grasping the progress of the Programs in Smart Kampung MP2016, we will reorganize the requirements based on the change of social environment, hearing survey, and current policy. Then, finally selected programs with the aim of improving the master plan.

2．Selecting priority fields
- Based on the surveys with local relevant organizations and academics, we identified that agriculture, tourism, infrastructure and SME revitalization as the focus fields.

3．Proposals for Focus Programs
- Based on the survey in priority fields, we are proposing a tourism revitalization program that integrates smart technology and hardware development and the program that leads to advanced infrastructure maintenance and management.
① Trial of bike sharing and related apps in tourist areas to improve efficiency and sophistication of services and related infrastructure.
② Trial of advanced maintenance and management of roads and related facilities with the participation of local residents using ICT.
③ Experiments on road surface condition monitoring systems using smartphones and apps for road maintenance and management, etc.
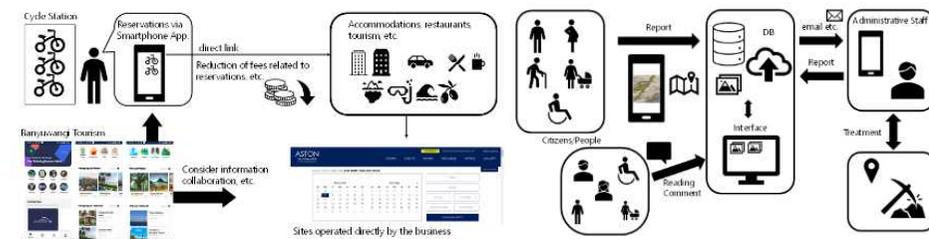

Source : Locator Kecamatan Banyuwangi ing Kabupaten Banyuwangi

Figure 1. Location of Banyuwangi Regency

Source : Study Team

Figure 2. Proposed programs for the n New Master Plan

■Image of the bike sharing program in a tourist area

Source : Study Team

■Image of the advanced road maintenance system with resident participation

Figure 3. Image of for Focus Programs