

Urban Adaptability towards Disease Outbreaks PBL
New Normal Requirements with the Covid-19 Pandemic

Date	Place	Partner Organization	Students' Major and Grade	Participants' Information	SIT Instructor
October3 ~October31,2020	Japan	Institut Teknologi Sepuluh Nopember	Department of Planning Architecture and Environmental Systems Functional Control Systems Regional Environment Systems Global Course of Engineering and Science •Undergraduate 2nd grade •Undergraduate 3rd grade •Undergraduate 4th grade	(SIT) Students 17, TA 4, Professor 3 (Institut Teknologi Sepuluh Nopember) Students 21, Professor 10, Staff 1	NAKAMURA Jin(Department of Architecture and Environment Systems) MASUDA Yukihiro(Department of Architecture and Environment Systems) SUZUKI Shunji(Department of Architecture and Environment Systems)



Description: let the air circulation run naturally (rapid test booth), recommended to take tests on hospitals

Image1 Rapid Test Booth: Station

The Department of Urban & Regional Planning at Institut Teknologi Sepuluh Nopember (ITS) and the Department of Planning, Architecture and Environmental Systems at SIT conducted a global PBL about Urban Adaptability towards Disease Outbreaks: New Normal Requirements with the Covid-19 Pandemic. This program was held online every Saturday (5 times in total) in October 2020. The airport, the railroad station, the bus terminal, the low-density residential area, and the high-density residential area in Surabaya were selected as case study areas. The 10 groups (2 groups for one study area) mixed with the ITS and SIT students analyzed the present situations, identified the issues, and proposed spatial design and management systems for new normal requirements with the Covid-19 Pandemic.



Image2 Study Area: Airport

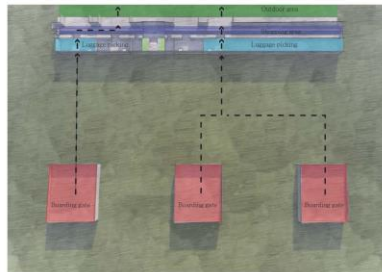


Image3 Fow Planning: Airport

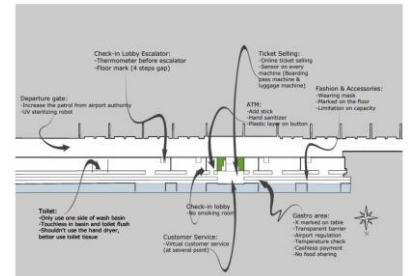


Image4 New Noraml Proposals

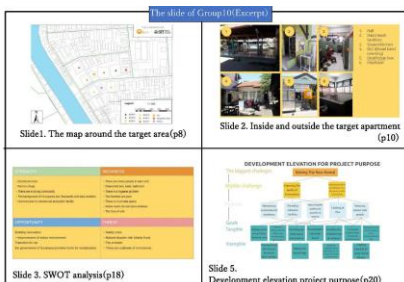


Image5 Analysis: Residential Area



Image6 New Noraml Proposals

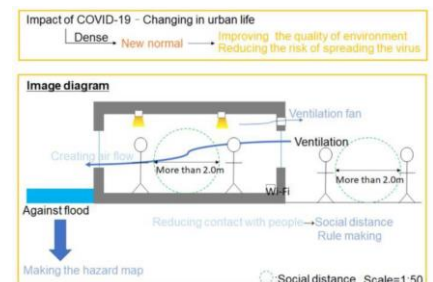


Image7 Ventilation Planning