



ELSEVIER



Available online at www.sciencedirect.com

ScienceDirect

Procedia - Social and Behavioral Sciences 227 (2016) 560 – 567

Procedia
Social and Behavioral Sciences

CITIES 2015 International Conference, Intelligent Planning Towards Smart Cities, CITIES 2015,
3-4 November 2015, Surabaya, Indonesia

Redesigning the traditional food kiosk based on local knowledge, case study: Siwalankerto District

Gunawan Tanuwidjaja^{a*}, Albert Edwin Wiyono^b, Ardhian Wibowo^b, Gregorius Gerry^b,
Lia Margareta Shinata^b, Ridwan Raynaldo^b

^aArchitecture Program Study, Petra Christian University, Jl. Siwalankerto 121-131, 60236, Surabaya, Indonesia, email: gunte@petra.ac.id

^bStudents of Architecture Program Study, Petra Christian University, Jl. Siwalankerto 121-131, 60236, Surabaya, Indonesia,

Abstract

Siwalankerto Sub-District in Surabaya. Siwalankerto was developed rapidly, influenced by educational facilities development. This further created a demand for sustainable food markets/ food kiosk. On the other hand, the unregulated development of traditional food hawkers along the Siwalankerto road existed. Therefore, Architecture Program Study, Petra University proposed a redesigning strategy for the food kiosks in Siwalankerto Sub-district. The strategy not only would provide healthy-affordable foods for all Siwalankerto's residents, but also would generate income for residents with entrepreneurship and culinary skills.

The literatures reviews on sustainable neighborhood, commercial provision, food production and inclusive design were conducted. Furthermore, observations and interviews were conducted to meatball-selling restaurant and food hawker. Secondly, the locational analysis was conducted to determine possible food kioks. Additionally, the participatory design was conducted based on inclusive design principles.

The seven (7) food kiosk would be proposed for Siwalankerto. The designs would be developed from a typology of food kiosk design (3m-by-3m module). The food kiosk was designed considering the person with disability, such as: wheel chair users, crutch users and persons with vision disability. On the other hand, the layout were designed with proper kitchen and accessible toilet design. Lastly, the culture exploration could also enriched the functional design such as the food kiosk.

© 2016 The Authors. Published by Elsevier Ltd. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

Peer-review under responsibility of the organizing committee of CITIES 2015

Keywords: Sustainable and affordable food stall; local material

* Corresponding author. Tel.: +62 89696047992; fax: +0-000-000-0000 .
E-mail address: gunteitb2012@gmail.com

1. Introduction

Siwalankerto was a Sub-District in Surabaya. Siwalankerto was developed rapidly, influenced by internal activities such as: Petra Christian University and St. Carolus Catholic Secondary School. It was also affected by surrounding external activities, such as development of public and governmental, commercial and services buildings in Ahmad Yani Corridor and Jemur Andayani-Kendangsari Corridor. Lastly, it received impact from the development of Surabaya Industrial Estate in Rungkut (SIER). The locational analysis, zoning analysis and commercial – educational facilities survey were conducted by Poerbantanoë (2008) . All those activities created the rapid growth of settlements as shown in Table 1.

The educational facilities development and rapid population growth in the Siwalankerto District created a demand for sustainable food markets/ food kiosk. On the other hand, the limited commercial facilities caused unregulated development of trading facilities such as: traditional food hawkers along the Siwalankerto road and other small roads. Because of rising number of food hawkers in, Architecture Program Study, Petra University proposed a redesigning strategy for the food kiosks in Siwalankerto Sub-district. The strategy not only would provide healthy-affordable foods for all Siwalankerto's residents, but also would generate income for residents with entrepreneurship and culinary skills.

Table 1 The Population Growth of Siwalankerto Sub-district and Surrounding Areas

| Sub-District | Area (Ha) | Population Number (Persons) | | | | | Population Growth (Persons/ Year) | Percentage of Annual Population Growth (%) |
|-----------------|-----------|-----------------------------|-------|-------|-------|-------|-----------------------------------|--|
| | | 2004 | 2005 | 2006 | 2007 | 2008 | | |
| Kutisari | 53.72 | 4885 | 4973 | 5054 | 5139 | 5224 | 85 | 1.66 |
| Jemur Wonosari | 26.81 | 3272 | 3273 | 3333 | 3362 | 3378 | 26 | 0.79 |
| Siwalankerto | 175.08 | 14712 | 15039 | 15047 | 15086 | 16011 | 325 | 2.09 |
| Dukuh Menanggal | 83.09 | 4372 | 4388 | 4424 | 4431 | 4451 | 20 | 0.44 |

Source: Siwalankerto Subdistrict Data quoted in Poerbantanoë (2008).

Download English Version:

<https://daneshyari.com/en/article/1107352>

Download Persian Version:

<https://daneshyari.com/article/1107352>

[Daneshyari.com](https://daneshyari.com)