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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING

Judul karya ilmiah : Role of Culture in rural transformation in Manding Village, Bantul Yogyakarta, Indonesia
 (artikel)
 Jumlah Penulis : 3 penulis (Anna Pudianti, Joesron Alie Syahbana, **Atiek Suprpti**)
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 2015 International Conference, Intelligent Planning
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 d. Penerbit : Elsevier Ltd
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Reviewer I



Prof. Dr. Ing. Ir. Gagoek Hardiman
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 Departemen Arsitektur UNDIP

Semarang, 9 Agustus 2020
 Reviewer II



Prof. Dr. Ir. Erni Setyowati, MT
 NIP. 19631020 199102 1 001
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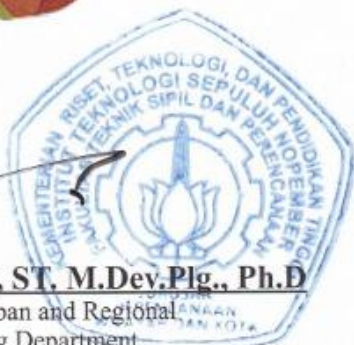
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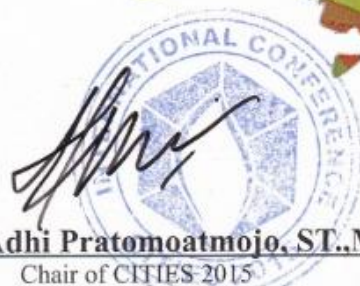
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CITIES 2015: Intelligent Planning Towards Smart Cities

Editors:

Vely Kukinul Siswanto

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PREFACE



ABOUT **CITIES 2015 INTERNATIONAL CONFERENCE**

CITIES is an annual event hosted by the Department of Urban and Regional Planning, Sepuluh Nopember Institute of Technology. Ever since the first time it was held in 2005, CITIES has covered a broad range of topics on the spatial sciences:

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- 2012: Facing Global Challenges in The Future Urban Sphere.
- 2013: Resilient Cities: Beyond mitigation, preparedness, response, and recovery
- 2014: Eco City, Utopia or Reality ?

This year, CITIES aims to explore the theme ‘Intelligent Planning Towards Smart City’. Intelligent planning is a challenge to urban planning and all disciplines involved in general. Urban Planning and Management in most developing countries are still facing many challenges to overcome. Recent developments in computer and information technology actually provide planners with the opportunity to improve planning processes. However, despite of the rapid development of computer technology in term of computing power and available applications, planners never fully utilized the diversity of methods, techniques, and models available in computer systems in planning and decision making practices. One of those challenges is how to improve the planning process by embracing recent developments in intelligent ways. In here, Intelligent ways cover multi aspect such as the use of innovation in technology, computers, practices, concepts and theories. These way is esential to ensure enhancement on the planning processes for welcoming era of Smart City.

In this CITIES 2015 event, we want to promote that intelligent planning is indispensable for the development of the existing planning mechanisms, particularly in developing countries. We expect a lot of ideas and dissemination of findings that drive changes in the conventional planning process to be a breakthrough of a concept and the latest technology. Additionally, CITIES want to capture the potential of papers, establish communication and cooperation opportunities related to the themes and topics there are and can be a place of information exchange among participants across countries.

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The term 'intelligent planning' encompasses the planning process and interventions in order to support planning. In this case, we ask: How can planners contribute to creating and improving the spatial planning mechanism by means of technology, computers, softwares, concepts and theories ? How can government improving the public participation in this digital era? How can scientist participate to developing new approach as well as disseminate their findings in scope of intelligent planning and Smart City ?

In this CITIES 2015 event, we want to promote that intelligent planning is indispensable for the development of the existing planning mechanisms, particularly in developing countries. We expect a lot of ideas and dissemination of findings that drive changes in the conventional planning process to be a breakthrough of a concept and the latest technology. Additionally, CITIES want to capture the potential of papers, establish communication and cooperation opportunities related to the themes and topics there are and can be a place of information exchange among participants across countries.

The theme of the seminar is broken down into, but not limited to the following sub-themes:

- Spatial Modeling and Analysis
- Spatial Analytics and visualization
- Decision Support System for planning
- Innovation in Housing planning and provision
- Smart approach to disaster
- Smart Community Planning
- Intelligent Urban Design Solution
- Innovative Tourism Planning

Keynote



Dr.(h.c.) Tri Rismaharini, Mayor of Surabaya City, Indonesia <LINK>
Expertise in Urban and Policy Management (Surabaya Smart City)



Associate Prof. Sarah Bekessy, RMIT University <LINK>
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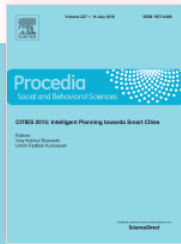


Prof. Ahmad Nazri Muhamad Ludin, Universiti Teknologi Malaysia <LINK>
Leader – Geo-spatial Research and Spatial Planning (GRiSP)
Expertise in GIS and Spatial Analysis



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Pages 530-535

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Pages 699-703

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Ema Umilia, Asbar

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

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Ahyahudin Sodri, Iwa Garniwa

Pages 728-737

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Evaluation of Indonesia Road Safety Campaigns (RUNK) ☆

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Abstract

According to a report issued by the Indonesian National Police, in 2010 in every 1 hour there are about 3-4 people die from road traffic accidents. Road safety campaigns have been widely used in many jurisdictions, including Indonesia and Australia, to reduce deaths and injuries but few campaigns have been designed using scientific theories or evaluated for their effectiveness in changing attitudes, intentions or behaviors. In this research, the analysis of RUNK is focused on accident rate value as the parameter to be evaluated. The accident rate is separated based on the cause of the accident itself referring to type of road. It is calculated in 2012 as data has possible to be collected. The result show that type of road 4/2 UD has the highest accident rate.

[<](#) Previous

Next [>](#)

Keywords

RUNK; road safer; accident rate



Discovering Public Preferences for School Location in Surabaya ☆

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Abstract

Publics school in Surabaya became the major choice for Surabaya citizen in schooling their children. Their zero tuition fee, good quality, and good facilities are the strong attraction. However, the school's location is not well spread in whole city location, especially the secondary level and high level schools. Some analysis to improve this spread has been conducted and good new school location has been noted. Nevertheless, whether this new school location is accepted by the public, moreover, the good school spread is important or not for the public have not been discovered. This research uses Public Participatory GIS concept to discover public preferences in choosing school location. Using web base application at <http://participatorygis.net>, an online survey has been run about a year. By analyzing the collected data with some programming and spatial analysis tools, it can be seen the preferences level of a whole area in the city. This preferences level area will explain the public acceptance of current condition or the proposed new school location.

[<](#) Previous

Next [>](#)

Keywords

participatory; spatial analyst; public preferences



(Adaptive) Networks in Strategic Areas in Indonesia ☆

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Abstract

To develop and structure its areas, Indonesia under the national spatial plan has developed strategic areas. (National) strategic area is an area whose spatial arrangement is one of the priorities of the national interests. This paper is an exploration of the interactions and networks existing between two existing models of strategic areas in Sambas regency: Sambas district and Temajuk village. Besides, this paper also raises a concept “adaptive” which can developed from the existing networks’ characters. This study used network analysis approach and the exploration of “adaptive” concept. From both explorations, it is known that strategic areas tend to be oriented inside its own area and only spread to other near advanced areas/cities. This makes the relationship between the areas tend to be imbalanced. To develop a balanced/appropriate interaction, adaptive concept can be applied by strengthening the database, doing benefit-cost-risk analysis, identifying potential conflicts, making priorities, scenarios and corrective actions, as well as involving public.



Previous

Next

PDF

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Keywords

network; strategic; adaptive; Indonesia



3D Interactive Simulation System (3DISS) Using Multimedia Application Authoring Platform for Landscape Planning Support System ☆

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Abstract

Recently, 3D simulation technology has been used as a communication tool in public meetings to facilitate public participation in planning and design development review. The development of 3D visualization that performs an interactive simulation in the Virtual Environment (VE) has grown rapidly and practiced for landscape visualization. VE technology is aimed to create a VE of urban landscape and presenting various alternatives of the landscape changes. The simulation of landscape changes is intended to perform a decision-making system in public participation. A multimedia application authoring platform has an advantage in the design of the graphical user interfaces and supported by a scripting language that can interact with external files. Through the integrated development of an interactive visualization and user interface, this application can be utilized to develop a Landscape Planning Support System. Eventually, the system is expected to attract public interest and elicit more contributions and input into urban planning.

[Previous](#)

[Next](#)

Keywords

3D Computer Simulation; User Interface; Decision-making System; Urban Landscape