PROCEEDINGS
INTERNATIONAL CONFERENCE

Local Wisdom in Global Era
Enhancing the locality in Architecture, Housing and Urban Environment

21-22 JANUARY 2011
DUTA WACANA CHRISTIAN UNIVERSITY
YOGYAKARTA - INDONESIA
PROCEEDINGS
INTERNATIONAL CONFERENCE

Local Wisdom in Global Era
Enhancing the locality in Architecture, Housing and Urban Environment

21-22 JANUARY 2011
DUTA WACANA CHRISTIAN UNIVERSITY
YOGYAKARTA - INDONESIA

Organised by:
Department of Architecture
Faculty of Architecture and Design
Duta Wacana Christian University
FOREWORD

It is an honour for Department of Architecture, Faculty of Architecture and Design, Duta Wacana Christian University (DWCU) at Yogyakarta, Indonesia; to be the host of CIB International Conference on Local Wisdom in Global Era. The Conference being run by the collaboration among Faculty of Architecture and Design DWCU, Institute of Technology ITS, International Council for Research and Innovation in Building and Construction (W110 CIB), and Nusantara Urban Research Institute (NURI). The theme “Enhancing the Locality in Architecture, Housing, and Urban Environment” provides papers and presentations on a wide range of topics indicating the breath and scope for both research and teaching within the area of architecture and the built environment.

Actually this Conference would be held on November 26-27, 2010. Due to the eruption of Merapi Volcano since October 26, 2010; especially the most dangerous eruption on November 05, 2010; the Conference has been rescheduled to January 21-22, 2011. We thank you for your kind commitment to this Conference.

These proceedings have been prepared from the papers provided by more than 60 presenters accepted from approximate 135 abstracts from about 10 countries. Finally, on behalf of the Department of Architecture, Faculty of Architecture and Design (formerly Department of Architecture, Faculty of Engineering) we thank you to all contributors to the Conference: CIB, ITS, NURI, the members of Steering Committee and Organizing Committee as well, International Reviewers, all presenters and participants, and last but not least to all members of Duta Wacana Christian University for their generous supports. Without them, this Conference would not be possible.

Prof. Ir. Titien Saraswati, M.Arch., Ph.D.
Dr.-Ing. Wiyatiningsih, S.T., M.T.

Editor
INTRODUCTION

The incongruous impact of globalization towards the existence of indigenous and national resource has gained international interest. Efforts to restore the quality of the threatened environment for the living have raised concerns on finding local strategies to understand and manage the impact world widely. Unfortunately, the most common answer to this situation cannot be done only by a single discipline. In term of design, it is not enough to give solution to the problems unless we deal with the uniqueness of the social, economic, and cultural context of the local community in each country.

One of spatial characteristics of urban areas in developing countries is the emergence of slum areas and squatter settlements which are only seen partly in the urban development. These settlements are occupied by the poor working in informal sectors around the city centre. These people demonstrate great ingenuity in developing their residential neighbourhoods, organizing open spaces and constructing their houses, even though the government views them as illegal. To view the poor not as a problem requires honest and good motivation. This International Conference explores new paradigms which focuses on enhancing and fostering local knowledge and wisdom for sustainable developments in Architecture, Housing, Urban Design as well as Urban and Regional Planning.

AIM AND SCOPE

The Conference discusses and critically examines the phenomena occurred in Architecture, Housing, and Urban Developments within developing countries. Sub-themes might be related, but not limited, to the following topics:

A. Indigenous Architecture as a Basic Architectural Design
   - The use of Local and Recycled Materials
   - Innovative Building Construction
   - Traditions and Vernacular Architecture
   - Sustainable Design and Construction
   - Indigenous Strategy for Disaster Preparedness

B. Informal Settlements as a Basic Development for Housing Improvement
   - Self-sufficient Built Environment
   - Pro-poor Housing Policy, Planning and Efficiency
   - Parametric Computational Tools for Sustainability
   - Total Participatory and Advocacy Development Planning

C. Harmony with Nature for Sustainable Urban Development
   - Assessment for Sustainable Urban Planning and Design
   - Man-made and Natural Environment in Harmony
   - Sustainable Urban Greenery
   - Appropriate Technology for Sustainable Built Environment
STEERING COMMITTEE
Ir. Henry Feriadi M.Sc, Ph.D.
Ir. Eddy Christiano, ST., MT.
Ir. Eko Agus Prawoto, M.Arch.
Prof. Ir. Titien Saraswati, M.Arch. Ph.D.
Dr. -Ing. Ir. Paulus Bawole, MIP

ORGANIZING COMMITTEE
Chairperson : Dr.-Ing. Ir. Winarna, MA.
Secretary : Imelda Damanik, ST, MAUD.
Treasurer : Sita Yuliastuti Amijaya, ST, M.Eng
Call for Paper : Ir. Eko Agus Prawoto, M.Arch.
Conference : Prof. Ir. Titien Saraswati, M.Arch. Ph.D.
Documentation : Dr.-Ing. Wiyatiningsih, ST., MT.
Publication : Dr. - Ing. Ir. Paulus Bawole, MIP
Event Facilities : Parmonangan Manurung, ST, MT
Fund Raiser : Yulianto, ST., M.Eng

REVIEWER TEAM
Prof. Dr.-Ing. Eckhart Ribbeck - Professor of Städtetebauliche Institut, Fakultät Architektur und Stadtplanung – Universität Stuttgart and Head of Institut für Städtebauliche in Asia, Africa und Latin America (SIAAL), Stuttgart – GERMANY
Assoc. Prof. Dr. Ir. Johannes Widodo - Acting Deputy Head (Research), National University of Singapore - SINGAPORE
Asosc. Prof. Dr. Julaihi Wachid – Lecturer at School of Housing and Planning, Universiti Sains - MALAYSIA.

Prof. Ir. Titien Saraswati, M.Arch., Ph.D - Lecturer at Duta Wacana Christian University, Yogyakarta - INDONESIA.

Dr.-Ing. Ir. Paulus Bawole, MIP. – Lecturer at Duta Wacana Christian University, Yogyakarta - INDONESIA.

Dr. Ir. Henry Feriadi M.Sc, – Lecturer at Duta Wacana Christian University, Yogyakarta - INDONESIA.

Dr.-Ing. Ir. Winarna, MA., - Lecturer at Duta Wacana Christian University, Yogyakarta - INDONESIA.
TABLE OF CONTENTS

Copyright and Reprinted Permission
Foreword
Introduction
Aim and Scope
Steering Committee
Organizing Committee
Reviewer Team
Table of Contents

Introduction from the Secretary General of CIB

1. Keynote Speakers
1.1 Sri Sultan Hamengku Buwono X (Governor of Yogyakarta Special Province, Indonesia)
1.2 Suharso Monoarfa (Indonesian State Minister for Public Housing)

2. Featured Speakers
2.1 Wardah Hafidz (Urban Poor Consortium, Indonesia)
2.2 Prof. Dr.-Ing. Eckhart Ribbeck (University of Stuttgart, Germany)
2.3 Dr. Amira Osman (Council for Scientific and Industrial Research, CSIR, Pretoria, South Africa) and Ahmed Abdalla (Faculty of Architecture, University of Khartoum, Sudan)
2.4 Prof. Liana Arricta de Bustillos and Jose Bufanda (Centroccidental University Lisandro Alvarado Barquisimeto, Venezuela, South America)
2.5 Assoc. Prof. Dr. Ir. Johannes Widodo (National University of Singapore Singapore)
2.6 Prof. Dr. Ir. Atyanto Dharoko, M.Phil. (Vice Rector IV of Gadjah Mada University, Yogyakarta, Indonesia)
2.7 Assoc. Prof. Dr. Julaihi Wahid (University Sains Malaysia, Malaysia)
2.8 Dr.-Ing. Ir. Paulus Bawole, MIP (Duta Wacana Christian University, Yogyakarta, Indonesia)

3. Parallel Session’s Speakers
3.1 A. Indigenous Architecture as a Basic Architectural Design
3.1.1 A Potency Of A Local Material To Achieve A Creativity
- Aulia Fikriarini Muchlis, Ernaning Setiyowati (UIN Maliki, Malang, Indonesia)
3.1.2 Malay Decorative in Modern Building Architectural
- Yohannes Firzal (University of Riau, Indonesia)
3.1.3 Traditional Architecture Formers as Character City Face Jogjakarta
- Indartojoyo (Trisakti University, Jakarta, Indonesia)
3.1.4 The Influence of Norms “Pasang” on Settlement Environment
- Ammatoa Kajang, South Sulawesi
- Mimi Arifin, Happy Ratna Santosa, Purwanita Setijanti (Institute of Technology Sepuluh November, Surabaya, Indonesia)

3.1.5 Anecdote of Bengal Vernacular Spaces
- Ashik Vaskor Mannan, Sudipta Barua (American International University–Bangladesh [AIUB])

3.1.6 Climatic Responsive Space in Melayu Pontianak House: A Preliminary Study
- Tri Wibowo CAESARIADI, Emilya KALSUM (Tanjungpura University, Indonesia)

3.1.7 Architectural And Physical Characteristics Of Indigenous Limas’ Houses In South Sumatra
- Ari Siswanto, Azizah Salim Binti Syed Salim, Nur Dalilah Dahlan, Ahmad Hariza (Sriwijaya University, Palembang, Indonesia; and Universiti Putra Malaysia)

3.1.8 Vernacular Architecture In Jakarta And Surroundings
- Agung Wahyudi (Gunadarma University, Jakarta, Indonesia)

3.1.9 The Aesthetics Interpretation through Experience in Place at Umah Balinese Architecture
- A. A. Ayu Oka Saraswati, Josef Prijotomo, Purwanita Setijanti (Udayana University, Denpasar, Indonesia; and Institute of Technology Sepuluh November, Surabaya, Indonesia)

3.1.10 An Inquiry Into The Usage of Recycled Waste Materials by Urban Poor to Provide Affordable Housing
- Anand Mata (CEPT University, Ahmedabad, India)

3.1.11 Accommodating Temporality
- Yenny Gunawan, ST., MA: (Parahyangan Catholic University, Bandung; and Visiting Lecturer at Pelita Harapan University, Karawaci, Indonesia)

3.1.12 Architectural Education In Papua: To Emerge The Local Indigenous Architecture In Built Environment
- Alfini Baharuddin (Jayapura University of Science and Technology, Indonesia)

3.1.13 Sustainability of the Traditional Form of Batak House in Samosir Island
- Dr.-Ing. Himasari HANAN (Bandung Institute of Technology, Bandung, Indonesia)

3.1.14 Tobong Roof Tile Architecture and Female Labors in Wirun Village, Regency of Sukoharjo
- Harmilyanti Sulistyani (Indonesian Art Institute, Surakarta, Indonesia)

3.1.15 Understanding Space Based on the Symbol of Batang Garing on Dayak Ngaju House
- Indrabakti Sangalang, ST, MT, Prof. Ir. Endang Titi Sunarti Darjosanjoto, M.Arch, PhD, Ir. Muhammad Faqih, MSA, PhD (Palangka Raya University; and Institute of Technology 10 Nopember Surabaya, Indonesia)

3.1.16 Recycle-Material Block From Repulped Paper For Wall of Low-Rise Building
- V. Totok Noerwasito (Institute of Technology 10 Nopember Surabaya, Indonesia)

3.1.17 Preliminary Study on The Thermal Environment of The Flores’s
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernacular House for Development Tropical Responsive Design</td>
<td>Agung Murti Nugroho, PhD (Brawijaya University, Malang, Indonesia)</td>
<td>A-142</td>
</tr>
<tr>
<td>Pacitan: City without Local Wisdom for Tsunami Hazard</td>
<td>Fadly Usman, Agus Suyaryanto, Keisuke Murakami (Brawijaya University, Malang, Indonesia)</td>
<td>A-142</td>
</tr>
<tr>
<td>Spatial Perception Strategy in Orientation Design</td>
<td>Bertha Bintari, ST, MT, MAID (Duta Wacana Christian University, Yogyakarta, Indonesia)</td>
<td>A-151</td>
</tr>
<tr>
<td>Sustainable Design and Construction in the Javanese Architecture</td>
<td>Mohamad Muqoffa (Sebelas Maret University, Surakarta, Indonesia)</td>
<td>A-159</td>
</tr>
<tr>
<td>The Spirit of Revitalization Vernacular Architecture: Response to Declining Environmental Quality</td>
<td>Priyo Pratikno (Duta Wacana Christian University, Yogyakarta, Indonesia)</td>
<td>A-168</td>
</tr>
<tr>
<td>Theoretical Understanding and Analysis Model on Disaster Preparedness and Post-Disaster Spatial Transformation of the</td>
<td>Gregorius Sri Wuryanto, M.Arch. (Duta Wacana Christian University, Yogyakarta, Indonesia)</td>
<td>A-174</td>
</tr>
<tr>
<td>Space for the Dead</td>
<td>Jeanny Dhewayani (Duta Wacana Christian University, Yogyakarta, Indonesia)</td>
<td>A-182</td>
</tr>
<tr>
<td>In search of “Mamminasata Style”: Model for the Application of Local Architectural Characteristics for Contemporary</td>
<td>Ria Wikantari, Ph.D., Mochsen Sir, Syarif Beddu, Waluya Hadi, Baharuddin Hamzah, Ph.D. (Hasanuddin</td>
<td>A-190</td>
</tr>
<tr>
<td>The Concept of Banua in Mandailing Architecture</td>
<td>Cut Nur'aini, Achmad Djunaedi, Sudaryono, T. Yoyok W. Subroto (ITM Medan, Indonesia; and Gadjah</td>
<td>A-200</td>
</tr>
<tr>
<td>Sustainable Incremental House with Modular Construction</td>
<td>Eunike Kristi Julistiono (Petra Christian University, Surabaya, Indonesia)</td>
<td>A-208</td>
</tr>
<tr>
<td>'One Kampung One Public Facility” as an Initial Phase of Kampung Oriented Development: Studio’S Considerations</td>
<td>Dr. Eng. Muhammad Sani Roychansyah (Gadjah Mada University, Yogyakarta, Indonesia)</td>
<td>A-217</td>
</tr>
<tr>
<td>Local Architecture Image of Sawai Bay in Central Maluku</td>
<td>Hestin Mulyandari, Muhammad Zein Kelanohon (University of Technology Yogyakarta, Indonesia)</td>
<td>A-225</td>
</tr>
<tr>
<td>Morphological On Local Wisdom Coastal Community Settlement as a Product Vernacular Architecture</td>
<td>Ahda Mulyati Muluk, Prof. Nindyo Soewarno, M.Phil., Ph.D (Tadulako University, Palu, Sulawesi, Indonesia; and Gadjah Mada University, Yogyakarta, Indonesia)</td>
<td>A-234</td>
</tr>
<tr>
<td>Use of Recycled Aggregates from Construction and Demolition (C&amp;D) Waste for Building Construction in Dar es Salaam, Tanzania</td>
<td>Mwita Sabaia, Prof. Jos Lichtenbergb, Dr. Emilia Egmonde, Dr.</td>
<td>A-242</td>
</tr>
<tr>
<td>3.2</td>
<td>B. Informal Settlement as a Basic Development for Housing Improvement</td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>3.2.1</td>
<td>‘Participatory Research’ Approach in the Structuring Activity of Touristm Village of ‘Jelekong’ - Bandung Regency</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Udjianto Pawitro (National Institute of Technology – Iternas, Bandung, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.2</td>
<td>Semendo Traditional Settlement as One of Vernacular Architecture Case Study: Pulau Panggung Village, Muara Enim, South Sumatra</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Tutur Lussetyowati (Sriwijaya University, Palembang, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.3</td>
<td>Housing Development on the Urban Fringe Areas with case study at Semarang City-Indonesia</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Bambang Setioko, Joesron, A.S (Diponegoro University, Semarang, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.4</td>
<td>Morpho-Ecological Strategy in Architectural Design Process</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Dr.Eng. Firza Utama S. (BINUS University, Jakarta, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.5</td>
<td>Informal Settlements Housing Improvement and Family Income in Caracas, Venezuela</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Jean Martin Caldieron (Florida Atlantic University, USA)</td>
<td></td>
</tr>
<tr>
<td>3.2.6</td>
<td>The Future of Informal Settlements: A Reflection of Government’s Effort</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Rulli Pratiwi Setiawand (Sepuluh Nopember Institute of Technology, Surabaya, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.7</td>
<td>Characteristic of Slums in Denpasar City, Bali</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- I Made Adhika (Udayana University, Denpasar, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.8</td>
<td>The Impact of Adequate and Reachable House for Migrants on Urban Social Stability</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Wisnu Sasonko, ST., MT., Gunawan Prayitno, SP., MT. (Brawijaya University, Malang, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.9</td>
<td>Housing Model for Low Income People in Palembang City Based on Housing Preference and Affordability</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Wienty Triyuly (Sriwijaya University, Palembang, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.10</td>
<td>Analyzing The Core Components of Urban Planning Base on Local Knowledge Diversifications of Local Knowledge in Urban Planning</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Noriss K. HAMMAH, Kamaria DOLA (Ph.D.) (University Putra Malaysia)</td>
<td></td>
</tr>
<tr>
<td>3.2.11</td>
<td>Issues of Service Charges of Stratified Residential Buildings in Malaysia and The Role of Cob</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Rohaya, Ghani, Mastura, Jaafar @Mustapha (Universiti Sains Malaysia, Penang, Malaysia)</td>
<td></td>
</tr>
<tr>
<td>3.2.12</td>
<td>Sustainability Model of Flats For Low-Income Communities Development</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- DR. Setyo S. Moersidik, Setia Damayanti (Cand. DR) (University of Indonesia, Jakarta, Indonesia)</td>
<td></td>
</tr>
<tr>
<td>3.2.13</td>
<td>Community Participation in Conservation of Traditional House in Kotagede</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Punto Wijayanto (Gajah Mada University, Yogyakarta, Indonesia)</td>
<td></td>
</tr>
</tbody>
</table>
3.2.14 Cultural Landscape Characteristic Identification of The Code Riverbank, Yogyakarta
- Luhur Sapto Pamungkas, Endah Tisnawati (Yogyakarta University of Technology, Yogyakarta, Indonesia)

3.3 C. Harmony with Nature for Sustainable Urban Development
3.3.1 Settlement Pattern of ‘Using’ Ethnic Community in Kemiren Village Banyuwangi
- Prof. Antariksa, Nindya Sari, Tri Kurnia Hadi Muktining Nur (Brawijaya University, Malang, Indonesia)
3.3.2 Greenhouse Effect in the Housing Area with Modern Minimalist Style Home Design
- Ir. Unik Praptiningrum Wardhono, MM (University of 17 Agustus 1945, Surabaya, Indonesia)
3.3.3 The Influence of Postmodernism in Urban Planning and Design in Indonesia.
- A. Rudyanto Soesilo (Soegijapranata Catholic University, Semarang, Indonesia)
3.3.4 Conflicts Between The Economic Space and Natural Landscape
- Wahyu Utami, Prof. Ir. Atyanto Dharoko, M.Phil., Ph.D, Ir. Ikaputra, M.Eng., Ph.D, Dr. Ir. Laretia Trisnanti, M.Arch. (Gadjah Mada University, Yogyakarta, Indonesia)
3.3.5 Urban Settlement and Its Environment; A Case Study of Menteng Atas, Jakarta - Indonesia
- Danto Sukmajati (Mercu Buana University, Jakarta, Indonesia)
3.3.6 Empowerment of Informal Settlements Related to the Character of Community Capacity
- Winny Astuti, Ph.D., Ana Hardiana, Dyah Widi Astuti (Sebelas Maret University Surakarta, Indonesia)
3.3.7 Application of Social Relationship in Vernacular Architecture
- Ema Yunita Titisari, Noviani Suryasari (Brawijaya University, Malang, Indonesia)
3.3.8 Traditional Architecture as a Tourism Asset
- Syaiful Muazir (Tanjungpura University, Pontianak, Indonesia)
3.3.9 Concept of Integrated Surakarta Urban Center Using Urban Heritage Role
- Soedwiwahjono (Sebelas Maret University, Surakarta, Indonesia)
3.3.10 Enhancement of Ecological Wisdom of Vernacular Architecture Into Global Ethic
- Ir. Marcus Gartiwa, MT (University Of Langlangbuana, Bandung, Indonesia)
3.3.11 Architecture, Community, and Social Capital: Contribution of Environment Order and Spatial Behaviour to Social Capital of Housing Resident Community
- M. Syaom Barliana, Diah Cahyani Permama Sari (Indonesia University of Education (UPI), Bandung, Indonesia)
3.3.12 Understanding of Harmony in Lakon Wayang
- Johannes Adiyanto, Josef Prijotomo, Galih Widjil Pangarsa (Institute
of Technology Sepuluh Nopember, Surabaya, Indonesia; and Brawijaya University, Malang, Indonesia)

3.3.13 Coastal Area And Its Potentiality to Provide Thermal Comfort to the City Of Makassar
- Juhana Said, Iwan Sudrajat (Bandung Institute of Technology, Indonesia)

- Nyuk Hien WONG, Nabanita Islam, Marcel Ignatius, Steve Kardinal Jusuf (National University of Singapore, Singapore)

3.3.15 Articulation of Urban Spatial: A Conceptual Approach Toward Sustainable Urban Spatial Planning For ‘Third World’ Cities
- Tommy S.S. Eisenring, Batara Surya (Pepabri University of Makassar; and “45” University of Makassar, Indonesia)

3.3.16 Local Wisdom in “Wetland Architecture”
- Bani Noor Muchamad, Ira Mentayani, Arya Ronald (Gadjah Mada University, Yogyakarta, Indonesia)

3.3.17 Is There Any Role of Local Community on Tourism Development in Kota Tua (Oud Batavia), Jakarta–Indonesia?
- Primi Artiningrum, Danto Sukmajati (Mercu Buana University, Jakarta, Indonesia)

3.3.18 The Meaning of Space-Use Efficiency for The Inhabitants of Four Low-Cost Multi-Storey Public-Housings In Bandung, Cimahi, and Soreang, Indonesia
- DR. Yasmin Suriansyah (Parahyangan Catholic University,Bandung, Indonesia)

3.3.19 Comfort Comparison Study on Office Colonial Building and Modern Office Today.
- Antonius Ardiyanto, Arif Kusumawanto (Soegijapranata Catholic University, Semarang, Indonesia; and Gadjah Mada University, Yogyakarta, Indonesia)

3.3.20 Simulation of the Impact of the Climate Change on the Current Building’s Envelope Thermal Transfer Value (ETTV) Regulation in Singapore
- Nyuk Hien Wong, Steve Kardinal Jusuf, Nedyomukti Imam Syafii, Wen Hui Li (National University of Singapore, Singapore)
3.3.6
EMPOWERMENT OF INFORMAL SETTLEMENTS RELATED TO THE CHARACTER OF COMMUNITY CAPACITY

Winny Astuti, Ph.D; Ana Hardiana; Dyah Widi Astuti
Lecturer and Researcher, Center for Information and Regional Development LPPM
Study Program of Urban and Regional Planning, Sebelas Maret University, Surakarta
INDONESIA
winnyast@yahoo.com

ABSTRACT

A slum or informal settlements is a contiguous settlement where the inhabitants are characterized as having inadequate housing and basic services. This is an urban phenomenon, which also determinant of urban poverty. In fact, most of the urban poor live in the informal settlements, which was enormously increased by the process of urbanization. The difficulties of the community of urban informal settlements escaping from the poverty are mostly caused by limitation of community organization in giving access for community inclusion, security and empowerment. Community organization plays an important role in empowerment of informal settlements, related to their capacity in organized themselves in planning and development. Levels of community capacity can be measures by several characteristics such as leadership, participation, resources, skills, Social and inter-organizational networks, sense of community, community power, community understanding of history. Community capacity is a basic potency for human settlements development and planning. This research assess the community capacity in 3 kelurahan in Surakarta (Balong, Jebra, and Tipet) by using in depth interviews to the key persons. The results of the research shows that character of community capacity is significantly indicates the level and capacity of community in planning and human settlements development.

Keywords: informal settlements, community empowerment, planning

I. INTRODUCTION

Informal settlements can be defined as several definitions. Firstly, they are invasion of someone else’s land, and they are not formally planned (leeds, 1981 in Alexander, 1988). However in some cases it may be a legal neighborhood, even though the invasion of community also has not been formally planned or approved by local authorities. It is therefore unprovided by municipal infrastructure and services. Informal settlements, which are occupied on a legal land are usually called slums. This are defined as a contiguous settlements where inhabitants are characterized as having inadequate infrastructure and services. Slums is judged as a visual expression of Urban Poverty (UN Habitat, 2002). The problems of informal settlements community escaping from urban poverty is partly due to lacking of ability to escape form poverty line because of community organization institutions are not generating access social inclusion, empowerment and security (World Bank, 2000).

Empowerment of informal settlements community is a basic component for planning and development of their area. Community organization plays an important role in empowerment of informal settlements, related to their capacity in organized themselves in planning and development. The characteristics and levels of community are vary from place to place in terms of locality, approximately from the center of the city, social capacity of the community as well as economics activities of community.

Community capacity views as a potential state and competence of community in an active state. Capacity reflects a community’s potential for addressing and presenting some issues. The