

CONTENTS

Foreword

- Dr. Ir. Ahmad Sarwadi, M.Eng iv
Head of Department Architecture and Planning, Faculty of Engineering,
Universitas Gadjah Mada

Introduction

- Syam Rachma Marcilia, S.T., M.Eng., Ph.D v
Chairperson Organizing Committee of ICIAP 2016

SPEAKERS

- A Tale of Two Chinatowns: Expressing Spatial Identity of Ethnic
Clusters in Greater Tokyo 2
Shahed Khan
- Plenary Session 1 Note 13
- The Architecture of the Affandi Museum: Approaches to a Piece of Art 18
Ulrike Herbig
- Plenary Session 2 Note 28
- Plenary Session 3 Note 31

URBAN CONTEXT

- Water Bodies in the Urban Environment: a Scale Model Experimental Study 36
Nedyomukti Imam Syafii, Masayuki Ichinose, Wong Nyuk Hien,
Steve Kardinal Jusuf, Eiko Kumakura, Kohei Chigusa
- The Usage of Urban Spaces in the Musi Riverside Settlement:
Interaction between People Activities and Physical Environment 42
Tutur Lussetyowati, Edy Sutriyono, Ridhah Taqwa, Widya Fransiska FA
- The Formation of Urban Identity of Seturan, Yogyakarta 47
Hana Afifah, Retno Widodo D. Pramono
- Islamic Boarding School District And Its
Spatial Interactions in Yogyakarta Urban Fringe Area 54
Renindya Azizza Kartikakirana, M. Sani Roychansyah, Didik Kristiadi



The Optimal Growth of Shopping Mall in Yogyakarta Risya Putri, Retno Widodo D. Pramono	61
Combining the Activity-Space Pattern with Dwellers Perception to Explore the Sense of Place of an Urban Kampung Irsyad Adhi Waskita Utama	66
Parallel Session 1 Note Urban Context	80

ENVIRONMENTAL AND GREEN CONTEXT

Urban Farming for Housing Middle and High in the City, is Accurate as the Element Eco Green Settlement ,Today? W Uniek Praptiningrum	86
Placemaking Approach to Vitalize Urban Parks in North Bandung Saiful Anwar, Annisa Safira Riska, Indah Widiastuti	93
The Potential of Urban Vacant Land for Producing Fresh Vegetables in the City of Maribymong, Victoria, Australia Sri Tuntung Pandangwati, Ole Fryd	98
The Landscape Open Space Arrangement of Industrial Estates in Gresik Deasy Tuffahati, Bambang Soemardiono, Haryo Sulistyarso	110
Characteristic of Livable Campus Open Space Case Study: Gadjah Mada University Dwiyani Kumala Hapsari, Ardhya Nareswari, Ismudiyanto	115
Potential Assessment of Coastal Tourism Area Based on Integrated Coastal Zone Management (ICZM) Approach, Case Study: <i>Sendang Biru</i> Beach Arina Marta Setya Putri, Bambang Soemardiono, Haryo Sulistyarso	126
Parallel Session 1 Note Environmental and Green Context	131
Green Assessment of IEQ for Healthcare Facility in Tropic Region: A Case of Thai Hospital Sutida Sattayakorn, Masayuki Ichinose	135
Recurring Embodied Energy in Life Cycle Building (Case Study: Wall Component in Apartment Building) Sri Novianthi Pratiwi	143
Light Environment and Actual Energy Consumption due to Color Temperature of LED Lighting with Daylighting System Fuga Iketani, Masayuki Ichinose, Akihiro Yoshizawa, Daisuke Kuboi, Svoko Arakawa	148



Thermal Environment of the Marathon Course Area at the 2020 Tokyo Olympics Eiko Kumakura, Saeka Yamada, Nobuyuki Sunaga, Kazuaki Nakaohkubo	154
Observational Study on TSV and Thermal Comfort in Office Building of Vietnam Eriko Tokuda, Masayuki Ichinose, Nguyen Dong Giang, Rumiko Sasaki	160
The role of openings in the Balai Padang House in Loksado, South Kalimantan Rahmayanti, Ima Defiana, I Gusti Ngurah Antaryama	165
Parallel Session 2 Note Environmental and Green Context	170

ENVIRONMENTAL BEHAVIOUR

Is Teras Cikapundung an Inclusive Space? Nurtati Soewarno, Eka Viridianti	174
The Usage of Retail dan Circulation Spaces in Pasar Beringharjo, Yogyakarta Emmelia Tricia Herliana	178
Street Space and Informality: Towards an Inclusive Community Jimly Al Faraby	191
Study of Pedestrian-friendly Environment in Indonesia Ristya Arinta Safitri	199
Urban Compactness Effects to the Inefficiency Trips in Yogyakarta City, Case Study: Danurejan and Umbulharjo District Lanthika Atianta, M. Sani Roychansyah	205
Parallel Session 1 Note Environmental Behaviour	211

DISASTER RESILIENT

Coping Capacity Index in the Concept of Indonesia Disaster Resilient City: Yogyakarta and Banda Aceh M.A. Marfai, F.K. Shafarani, M.N. Malawani, Suriadi	216
Inclusive Space Interventions to Built Health Environment by Modular Design Ergonomics in Urban Pedestrian focusing on Digital Games as driven Simulation-Walk, A Case of Business District Sudirman until Railways Station Dukuh, Jakarta – Indonesia Nur Istifarini Handayani	221



Community Preparedness on Flood Disaster Prevention in Yogyakarta Ardhya Nareswari	228
Globalization, Growth, Resilience Doddy Aditya Iskandar	235
Instant Home Packages in Case of Emergency Medy Krisnany S	245
Parallel Session 2 Note Disaster Resilient	253

SOCIO CULTURAL

Study On The Possibility Of Organizational Cooperation Among Building Technical Stakeholders In Bangladesh Rumiko Sasaki, Tsuyoshi Seike, Yongsun Kim	258
Profile of Scavenger Settlement in Lebak Bulus- South Jakarta Tin Budi Utami, Budi Suşetyo	262
Public Housing as a Common Space for Its Surrounding: Case of Walk-up Flats in Bantul Regency Deva Fosterharoldas Swasto	270
Parallel Session 3 Note Socio Cultural	278

TRADITIONAL AND CONTEMPORARY ARCHITECTURE

Nahdlatul Ulama's Principle of Dynamic Tradition and Pluralistic Formal Expressions of Nahdliyyin Mosques in Malang, East Java Yulia Eka Putrie	282
A Characteristic Study on the Designs and Materials of Talang Mamak Tribe Gun Faisal, Dimas Wihardyanto	289
Reconstructing Local Architecture: A Field of Today's Contestation in Architecture Yohannes Firzal	296
Behavior and Process of Settling of Kaili Da'a Ethnic At Hamlet of Lekatu, Palu City, Central Sulawesi Zulfitriah Masiming, Soegiono Soetomo, Titien Woro Murtini	301
Omah Dudur in Urut Sewu Region, Grabag, Purworejo, Indonesia Satrio HB Wibowo, Sudaryono, E. Pradipto	308
Parallel Session 3 Note Traditional and Contemporary Architecture	317



HISTORICAL AND HERITAGE CONTEXT

Karsten's Work in Architectural Conservation of Semarang Albertus Sidharta Muljadinata	322
Coastal City of Semarang; From Maritime City into Sustainable City Krisprantono	329
The Meaning of Representation in Local Architectural Elements: The Case of Kraton Yogyakarta Ami Arfianti, Josef Prijotomo, Purwanita Setijanti	335
Implementation Quality Improvement Program in Urban Settlement (P2KP) in Kota Tua Conservation Sub-Area, Kampung Luar Batang Harfa Iskandaria, Karya Subagya	340
The Influence Activities of Traditional Market 'Gang Baru' in the Use of Public Space in Semarang Chinatown Rina Kurniati, Fiton Dwi Setiawan	347
Pathok Negara Yogyakarta as a Cultural Landscape Dwita Hadi Rahmi	356
Parallel Session 3 Note Historical and Heritage Context	362

EDUCATIONAL CONTEXT

The Application of Rapid Visual Analysis (RVS) in the Architectural Design Process as Support Disaster Resilient in Indonesia Livian Teddy, Gagoek Hardiman, Nuroji	368
The Cost and Benefits of Public Open Space (POS): an Evaluation on Yogyakarta's POS Investment Program Pramudita Kumala Ardianti, Retno Widodo D. Pramono	374
The Uncertainty of Interest Rate Variation in Mixed-Use Building NPV Valuation Analysis Eva Evita Chatharina Josephine, Irawan Tani	382
Inter-Actor Collaboration and Innovation Policy for Low Tech Industry: the Case of Batik Industry in Pekalongan Nimas Maninggar, Delik Hudalah	391



Study on Criteria of Essential Facilities in an Alternative Workplace using Factor Analysis Fauzan Alfi Agirachman	399
Parallel Session 3 Note Educational Context	403

UNPRESENTED PAPER

Alun-alun Yogyakarta: A Representative of Sustainable 'Local South' Public Space Which Is Influenced by Westernization` Wakhidah Kurniawati	406
The Prospect of Rumah Dome Rural Tourism as Disaster Edutourism Safira Aulia, Widyasari Her Nugrahandika	412
Art and Tourism Role on Kampung Kreatif (Creative Village) Case Study: Kampung Kreatif Dago Pojok, Bandung Stefani Natalia Sabatini, Indah Widiastuti	420
Urban Design Guidelines for Traditional Settlement on Swampy Area A Case Study of Asmat Regency Capital Masterplan, Papua, Indonesia Adi Utomo Hatmoko	426
Changes of Local Settlement Areas based on Local Community Activities Pingkan Peggy Egam, Michael M. Rengkung	432
The Concept of Preservation of Traditional Settlement in Benteng Keraton Wolio Area (Subdistrict of Murhum, Baubau City) Mimi Arifin, Shirley Wunas, Wa Ode Ramlah Rilani	438

