



RUANG SPACE

JOURNAL OF THE BUILT ENVIRONMENT

VOLUME 5, NO. 1, APRIL 2018



Jurnal RUANG-SPACE mempublikasikan artikel-artikel yang telah melalui proses review. Jurnal ini memfokuskan publikasinya dalam bidang lingkungan binaan yang melingkup beragam topik, termasuk pembangunan dan perencanaan spasial, permukiman, pelestarian lingkungan binaan, perancangan kota, dan lingkungan binaan etnik. Artikel-artikel yang dipublikasikan merupakan dokumentasi dari hasil aktivitas penelitian, pembangunan teori-teori baru, kajian terhadap teori-teori yang ada, atau penerapan dari eksisting teori maupun konsep berkenaan lingkungan terbangun. Ruang-Space dipublikasi dua kali dalam setahun, setiap bulan April dan Oktober, oleh Program Studi Studi Magister Arsitektur Universitas Udayana yang membawahi Program Keahlian Perencanaan dan Pembangunan Desa/Kota; Konservasi Lingkungan Binaan; dan Kajian Lingkungan Binaan Etnik.

DEWAN EDITOR

Editor: Gusti Ayu Made Suartika

Sekretaris: Ni Made Swanendri

Anggota Dewan Editor (disusun sesuai urutan alfabet):

Abidin Kusno, University of British Columbia, Canada

Johannes Widodo, National University of Singapore

Alexander Cuthbert, University of New South Wales, Australia

Josef Prijotomo, Istitut Teknologi Surabaya, Indonesia

Chutatip Maneepong, Thailand Institute for the Environment

Keiko Hirota, Gifu Academy of Forestry Science and Culture, Japan

Doug Webster, Arizona State University, USA

Liu Yu, Northwestern Polytechnical University, China

Graeme McRae, Massey University, NZ

Ma. Corazon Alejo-Hila, University of Philippines' College of Fine Arts

Gunawan Tjahjono, Universitas Indonesia

Ngakan Putu Sueca, Universitas Udayana, Indonesia

Himasari, Institut Teknologi Bandung, Indonesia

I Gde Semadi Astra, Universitas Udayana, Indonesia

Thomas Reuter, University of Melbourne, Australia

Ismail Bin Said, University of Technology Malaysia

Staf Editor: Gusti Ayu Dewi Indira Sari, Gusti Ngurah Eka Putra

Alamat Redaksi: R. 1.24 LT.1, Gedung Pascasarjana, Universitas Udayana, Kampus Denpasar, Jl. P.B. Sudirman (80232) Denpasar, Bali (Indonesia). Telepon/Fax: +6281338967820. Alamat email: ruang-space@unud.ac.id

Jurnal Ruang-Space tidak bertanggung jawab terhadap pendapat serta pandangan yang dipublikasikan para penulis di dalam Jurnal ini. Semua materi (ide, data, gambar, tabel, dan photo), sepenuhnya, merupakan tanggung jawab para penulis, dan tidak bisa di-copy, dicetak ulang, atau diproduksi kembali, kecuali telah memperoleh ijin dari penulis dan Jurnal Ruang-Space.

PROGRAM STUDI MAGISTER PERENCANAAN & PEMBANGUNAN DESA/KOTA; KONSERVASI LINGKUNGAN BINAAN; KAJIAN LINGKUNGAN BINAAN ETNIK, UNIVERSITAS UDAYANA

■ JURNAL RUANG-SPACE ■ VOLUME 5, NO. 1, APRIL 2018 ■



RUANG SPACE

JOURNAL OF THE BUILT ENVIRONMENT

VOLUME 5, NO. 1, APRIL 2018



RUANG-SPACE is a refereed journal which addresses the built environment. It includes publications pertaining to topics on development and planning; human settlements; conservation of the built environment; urban design; and ethnic built environment. It publishes articles documented as a result of research activities, the development of new theory; study of the existing theories or the implementation of certain conceptual systems. The Journal is published twice a year, in April and October, by the Masters Program in Development and Planning for Rural/Urban Areas; Conservation of the Built Environment; and the Masters Program in Ethnic Built Environment Studies at Udayana University.

EDITORIAL BOARD

Editor: **Gusti Ayu Made Suartika**

Secretary: Ni Made Swanendri

Members of the editorial board (listed alphabetically):

Abidin Kusno, University of British Columbia,
Canada

Josef Prijotomo, Istitute Technology of Surabaya,
Indonesia

Alexander Cuthbert, University of New South Wales,
Australia

Keiko Hirota, Gifu Academy of Forestry Science
and Culture, Japan

Chutatip Maneepong, Thailand Institute for the
Environment

Liu Yu, Northwestern Polytechnical University,
China

Doug Webster, Arizona State University, USA

Ma. Corazon Alejo-Hila, University of Philippines'
College of Fine Arts

Graeme McRae, Massey University, NZ

Ngakan Putu Sueca, Udayana University,
Indonesia

Gunawan Tjahjono, University of Indonesia

Thomas Reuter, University of Melbourne, Australia

Himasari, Institute Technology of Bandung,
Indonesia

Johannes Widodo, National University of Singapore

I Gde Semadi Astra, Udayana University, Indonesia

Ismail Bin Said, University of Technology Malaysia

Editorial staff: Gusti Ayu Dewi Indira Sari, Gusti Ngurah Eka Putra

Editorial address: R. 1.24 Lv.1, Postgraduate Building, Udayana University Campus in Denpasar, Jl. P.B. Sudirman (80232) Denpasar, Bali (Indonesia). Telepon/Fax: +6281338967820. Email address: ruang-space@unud.ac.id.

Journal of Ruang-Space does not accept responsibility for any views expressed in any of the submissions made for publication. All materials (ideas, points of view, data, figures, tables, photographs) published within this journal are authors responsibilities. Any published materials cannot be copied, reprinted, and reproduced either in part or in whole, unless a permission to do so is granted by both authors and the Journal of Ruang-Space.

MASTERS PROGRAM IN DEVELOPMENT AND PLANNING FOR RURAL/URBAN AREAS;
CONSERVATION OF THE BUILT ENVIRONMENT; AND ETHNIC BUILT ENVIRONMENT STUDIES OF
UDAYANA UNIVERSITY