



# RUANG SPACE

JOURNAL OF THE BUILT ENVIRONMENT

VOLUME 10, NO. 2, OKTOBER 2023



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, lingkungan binaan etnik dan topik-topik lainnya yang relevan. 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. Setiap naskah yang diajukan akan melalui proses review oleh dua orang reviewer.

Ruang-Space dipublikasi dua kali dalam setahun, setiap bulan April dan Oktober, oleh Universitas Udayana.

## DEWAN EDITOR

**Editor-in-Chief (EIC):** Gusti Ayu Made Suartika

**Associate Editor:** Ni Made Swanendri

### Advisory Board (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

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

Chutatip Maneepong, Arizona State University, USA

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, Universitas Udayana, Indonesia

Gunawan Tjahjono, Universitas Indonesia

Thomas Reuter, University of Melbourne, Australia

Himasari, Institut Teknologi Bandung, Indonesia

Ismail Bin Said, University of Technology Malaysia

Staf Administrasi: I Kadek Nopa Surya Adi Hartawan, Putu Indah Anggayati

Alamat Redaksi: Ruang C1.1, Fakultas Teknik, Universitas Udayana, Kampus Denpasar, Jl. P.B. Sudirman (80234) 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 10, NO. 2, OKTOBER 2023 ■



# RUANG SPACE

**JOURNAL OF THE BUILT ENVIRONMENT**

VOLUME 10, NO. 2, OCTOBER 2023



RUANG-SPACE is a refereed journal that addresses the built environment. It includes publications about topics on development and planning; human settlements; conservation of the built environment; urban design; ethnic built environment, and other related topics. It publishes articles documented as a result of research activities, the development of new theories, the study of existing theories, or the implementation of specific conceptual systems. Each submission will be reviewed by at least two reviewers. The Journal is published twice a year, in April and October, by Udayana University.

## EDITORIAL BOARD

**Editor-in-Chief (EIC):** Gusti Ayu Made Suartika

**Associate Editor:** Ni Made Swanendri

**Advisory Board** (listed alphabetically):

Abidin Kusno, University of British Columbia,  
Canada

Alexander Cuthbert, University of New South Wales,  
Australia

Chutatip Maneepong, Arizona State University, USA

Doug Webster, Arizona State University, USA

Graeme McRae, Massey University, NZ

Gunawan Tjahjono, Universitas Indonesia

Himasari, Institut Teknologi Bandung, Indonesia

Ismail Bin Said, University of Technology Malaysia

Johannes Widodo, National University of Singapore

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

Liu Yu, Northwestern Polytechnical University,  
China

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

Ngakan Putu Sueca, Universitas Udayana,  
Indonesia

Thomas Reuter, University of Melbourne, Australia

Administrative staff: I Kadek Nopa Surya Adi Hartawan, Putu Indah Anggayati

Editorial address: R. C-1.1, Engineering Faculty, Udayana University Campus in Denpasar, Jl. P.B. Sudirman (80234) 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. The author is responsible for all materials (ideas, points of view, data, figures, tables, photographs) published within this journal. Any published materials cannot be copied, reprinted, or reproduced in part or whole unless both authors and the Journal of Ruang-Space grant permission to do so.

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

■ JOURNAL OF RUANG-SPACE ■ VOLUME 10, NO. 2, OCTOBER 2023 ■