

**LAPORAN AKHIR
PENELITIAN MANDIRI
KATEGORI A**



**PENGARUH ELEMEN BIOKLIMATIK-BIOPILIK
TERHADAP KENYAMANAN DAN KONDISI LEBIH BAIK
MAHASISWA UNIVERSITAS BRAWIJAYA SELAMA
PANDEMI COVID 19**

Ir. Agung Murti Nugroho, ST., MT., Ph.D., IPM (0015097402)
Wasiska Iyati, ST, MT (0004058703)
Ir. Heru Sufianto, M.Arch.St.Ph.D (0018026506)

Dilaksanakan atas biaya DIPA Tahun Anggaran 2021
Fakultas Teknik Universitas Brawijaya berdasarkan kontrak
Nomor: 68/UN10.F07/PN/2021
Tanggal : 3 Mei 2021

Jurusan Arsitektur
Fakultas Teknik
Universitas Brawijaya
2021

HALAMAN PENGESAHAN

Judul Penelitian : Pengaruh Elemen Bioklimatik-Biopilik terhadap Kenyamanan dan Kondisi Lebih Baik Mahasiswa Universitas Brawijaya selama Pandemi Covid 19

Kategori Penelitian : A

Ketua Tim Pelaksana

- a. Nama Lengkap : Agung Murti Nugroho, ST, MT., PhD
- b. NIDN : 0015097402
- c. Jabatan Fungsional : Lektor
- d. Program Studi : S1 Arsitektur
- e. Telepon/Faks/E-mail : 081904051705
- f. Alamat surel : agungmurti@ub.ac.id

Anggota Peneliti (1)

- a. Nama Lengkap : Wasiska Iyati, ST, MT
- b. NIDN : 0004058703

Anggota Peneliti (2)

- a. Nama Lengkap : Ir. Heru Sufianto, M.Arch.St., Ph.D
- b. NIDN : 0018026506

Lama penelitian : 4 bulan

Biaya penelitian keseluruhan : Rp. 10.000.000,- (Sepuluh Juta Rupiah)

Malang, 11 November 2021

Mengetahui,
Ketua BPP Fakultas Teknik
Universitas Brawijaya

Ketua Tim



Dr. Runi Asmaranto, ST., MT., IPM
NIP. 19710830 200012 1 001



Ir. Agung Murti N, ST., MT., Ph.D., IPM
NIP. 197409152000121001

Menyetujui,
Dekan Fakultas Teknik Universitas Brawijaya



Prof. Ir. Hadi Suyono, ST., MT., Ph.D., IPU., ASEAN.Eng
NIP. 19730520 200801 1 013

I. Identitas Penelitian

1. Judul : Pengaruh Elemen Bioklimatik-Biopilik terhadap Kenyamanan dan Kondisi lebih Baik Mahasiswa Universitas Brawijaya selama Pandemi Covid 19
2. Kategori Penelitian : A
3. Ketua Tim Pelaksana
- a. Nama Lengkap : Agung Murti Nugroho, ST, MT., PhD
 - b. Bidang Keahlian : Sains Bangunan
 - c. Jabatan Struktural : Ketua Pusat Studi Lingkungan Hidup
 - d. Jabatan Fungsional : Lektor
 - e. Fakultas/Jurusan/PS : Fakultas Teknik/Arsitektur
 - f. Alamat surat : Jl. M.T. Haryono 167 Malang 65145
 - g. Telepon/Faks : 081233901974
 - h. E-mail : agungmurti@ub.ac.id

4. Anggota peneliti:

a. Dosen:

No.	Nama dan Gelar Akademik	Bidang Keahlian	Unit Kerja	Alokasi Waktu (jam/minggu)
1	Wasiska Iyati, ST, MT	Sains Bangunan	FT UB	2,5/5
2	Ir. Heru Sufianto, M.Arch.St., Ph.D	Sains Bangunan	FT UB	2,5/5

b. Mahasiswa:

- 1) Mahasiswa 1 : Intan Rosita NIM. 175060500111020
- 2) Mahasiswa 2 : M Fahmi Aldy NIM.175060501111042

5. Objek penelitian : Mahasiswa UB
6. Masa pelaksanaan penelitian:
- 1) Mulai : Mei 2021
 - 2) Berakhir : September 2021
7. Anggaran yang diusulkan :
- a. Tahun pertama : Rp. 10.000.000,00
 - b. Anggaran keseluruhan : Rp. 10.000.000,00
8. Lokasi penelitian : Kota Malang
9. Hasil yang ditargetkan : Konsep Bangunan Bioklimatik-Biopilik
10. Institusi lain yang terlibat : -
11. Keterangan lain yang dianggap perlu :

ABSTRAK

Kajian tentang Pengaruh Elemen Bioklimatik-Biopilik terhadap Kenyamanan dan Kondisi lebih Baik Mahasiswa Universitas Brawijaya selama Pandemi Covid 19 masih belum banyak dilakukan. Penelitian ini akan menemukan serta menumbuhkembangkan pengaruh elemen bangunan, ruang dan material didasarkan prinsip bioklimatik-biopilik terhadap kenyamanan dan motivasi belajar mahasiswa Universitas Brawijaya. Metode yang digunakan dengan pendekatan kuantitatif melalui penyebaran kuesioner tentang kenyamanan lingkungan dan well being. Obyek penelitian adalah mahasiswa jurusan arsitektur dan vokasi desain interior. Hasil penelitian diharapkan memberi konsep desain bioklimatik-biopilik yang sesuai untuk kenyamanan lingkungan dan kondisi lebih baik khususnya terkait motivasi belajar selama pandemi covid 19.

Kata kunci : Elemen bioklimatik-biopilik, kenyamanan, well being

SUMMARY

This study will examine the comfort and better conditions of buildings related to the Covid 19 pandemic. The question is divided into five parts, namely: first, self-data; second, an overview of architectural conditions; third, the perception and expectation of thermal comfort; Fourth, perception and expectations are better in learning motivation. Architectural aspects include aspects of buildings [roof, orientation, period, outdoor space connections, vegetation]; aspects of space [walls, floors, ceilings, windows, doors and furniture] and natural elements [material, texture, color, motifs, shapes].

Aspects of thermal comfort concern air temperature, humidity, airflow, air quality, activities and clothing. While the conditions are better well being for learning motivation concerns: visual connection with the natural environment, natural light, air quality, air change, natural sound connection [water, wind, fauna]. The results of the study are expected to complement the results of previous research and contribute knowledge to the concept of bioclimatic-biopilic design to provide comfort and better conditions for its residents.

RINGKASAN

Penelitian ini akan mengkaji kenyamanan dan kondisi yang lebih baik/ well being bangunan yang berhubungan dengan pandemi Covid 19. Pertanyaan terbagi atas lima bagian yaitu: pertama, data diri; kedua, gambaran kondisi arsitektural; ketiga, persepsi dan harapan kenyamanan termal; keempat, persepsi dan harapan kondisi lebih baik dalam motivasi belajar. Aspek arsitektural mencakup aspek bangunan [atap, orientasi, masa, koneksi ruang luar, vegetasi]; aspek ruang [dinding, lantai, langit-langit, jendela, pintu dan perabot] dan elemen alami [material, tekstur, warna, motif, bentuk].

Aspek kenyamanan termal menyangkut suhu udara, kelembapan udara, aliran udara, kualitas udara, aktifitas dan pakaian. Sedangkan kondisi yang lebih baik /well being untuk motivasi belajar menyangkut: koneksi visual dengan lingkungan alami, cahaya-bayangan alami, kualitas udara, pergantian udara, koneksi suara alami [air, angin, fauna]. Hasil penelitian diharapkan dapat melengkapi hasil penelitian sebelumnya dan memberi sumbangan pengetahuan untuk konsep desain bioklimatik-biopilik untuk memberikan kenyamanan dan kondisi lebih baik bagi penghuninya.

PENGANTAR

Puji syukur kami panjatkan kehadiran Allah SWT yang telah melimpahkan rahmat dan ridlo-Nya sehingga penelitian dengan judul **“PENGARUH ELEMEN BIOKLIMATIK-BIOPILIK TERHADAP KENYAMANAN DAN KONDISI LEBIH BAIK MAHASISWA UNIVERSITAS BRAWIJAYA SELAMA PANDEMI COVID 19”** dapat diselesaikan dengan baik. Ucapan terima kasih kami sampaikan kepada seluruh pihak yang mendukung dalam penelitian ini.

Semoga penelitian ini dapat memberikan manfaat yang sebesar-besarnya baik dalam keilmuan maupun kondisi nyata. Atas segala keterbatasan dan kekurangan dalam penelitian ini kami memohon masukan dan saran dari para pembaca.

Malang, 11 November 2021

Tim Peneliti

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