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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
KARYA ILMIAH : JURNAL ILMIAH

Judul karya ilmiah (Jurnal) : Gaining knowledge of Emphyak Raguman to sustain Javanese traditional environment
Jumlah Penulis : 4 penulis (Vincentia Reni Vitasurya, Gagoek Hardiman, **Suzanna Ratih Sari** and Purwanto Hadi)
Status Pengusul : ~~Penulis Pertama/ Penulis Kedua/ Penulis Ketiga/ Penulis Korespondensi~~
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b. Nomor ISSN : 0971-765X
c. Vol.,no.,bulan,tahun : Vol. 26, Issue 1, Tahun 2020
d. Penerbit : Department of Environmental Sciences, University of PUNE
e. DOI Artikel : -
f. Alamat web jurnal : <http://www.envirobiotechjournals.com/EEC/26Issue12020/EEC26-41.pdf>
g. Terindeks di : Scopus, Q4

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Total = 40 (100%)	34	31	32.5
Nilai Pengusul 5.3 (40%)	4,53	4,13	4,33

Reviewer I



Prof. Dr. Ir. Edi Purwanto, MT
NIP. 19631231199003 1 022
Departemen Arsitektur UNDIP

Semarang, 21 Januari 2021

Reviewer II



Prof. Dr. Ir. Erni Setyowati, MT
NIP. 19670404199802 2 001
Departemen Arsitektur UNDIP

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a. Kelengkapan unsur artikel:

1. Sistematika penulisan belum ada keterkaitan antara "title" dengan IMRDC (*Introduction, Methods, Result, Discussion, Conclusion*) --- metode penelitian yang digunakan (*methods*) tidak ada.
2. Jumlah referensi yang digunakan terbatas, dari 13 referensi, 5 merupakan jurnal ilmiah dan tidak semuanya memenuhi kualifikasi jurnal internasional bermutu.

b. Ruang lingkup dan kedalaman bahasan:

1. Data empiris dan data dokumen lebih dominan, temuan-temuan penting belum muncul, temuan masih berjud fakta empiris, belum merupakan temuan yang spesifik/khas dan berkontribusi kebaruan.
2. Diskusi dan pembahasan belum cukup dalam, hanya melibatkan 3 referensi dan hanya pada satu aspek diskusi (aspek *empyak raguman in modern living*), sedangkan diskusi dan pembahasan aspek lainnya tidak ada satupun menggunakan referensi.

c. Kecukupan/kemutakhiran data dan metodologi:

1. Jumlah pustaka primer 5-10 tahun terakhir belum terpenuhi (7 dari 13 referensi), jumlah referensi yang digunakan masih sedikit untuk sebuah jurnal internasional terindeks scopus.
2. Penulis memilih strategi penggalan data menggunakan teknik studi literatur dan *in-depth interview* (lihat abstrak), namun data yang ditampilkan lebih banyak data pengamatan/observasi & data dokumen, data hasil wawancara mendalam (*in-depth interview*) belum nampak dengan jelas.
3. Metode/pendekatan penelitian yang digunakan tidak ada, yang tertulis hanya strategi/teknik, dan belum dijabarkan ke dalam desain riset yang sesuai dengan bidang arsitektur serta belum dirumuskan dalam kerangka fikir penelitian.

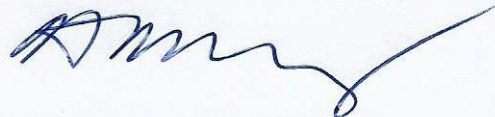
d. Kelengkapan unsur dan kualitas terbitan/jurnal:

1. ISSN sudah sesuai.
2. Termasuk jurnal Q4 dengan SJR=0,14
3. Tersedia "*template*" penulisan artikel
4. Syarat komposisi "*editorial board*" sudah memenuhi
5. Syarat kontributor penulis artikelnya sudah memenuhi
6. Konsistensi keberkalan terbit sudah memenuhi

e. Indikasi plagiasi: hasil cek similaritas menggunakan turnitin 1 % (similarity index)

f. Kesesuaian bidang ilmu: sesuai dengan bidang ilmu arsitektur, khususnya arsitektur vernakular

Semarang, 21 Januari 2021
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Prof. Dr. Ir. Edi Purwanto, MT.
NIP. 19631231199003 1 002
Departemen Arsitektur UNDIP

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c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12					9
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12					8
Total = (100%)	40					31
Kontribusi Pengusul (Penulis Ketiga)	5.3 (40%)					4,13

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- b. Ruang lingkup dan kedalaman bahasan:
 Substansi artikel sesuai dengan ruang lingkup tentang elemen dan struktur tradisional yang sudah langka dijumpai yaitu Emphyak Raguman. Pembahasan disertai konsep dan ilustrasi yang mendukung argumentasi.
- c. Kecukupan/kemutakhiran data dan metodologi:
 Data-data penelitian cukup menunjukkan keterbaharuan Informasi. Dari 13 referensi, 6 diantaranya kurang update (>10 tahun terakhir), dominasi jurnal dalam referensi. Metode: deskriptif kualitatif
- d. Kelengkapan unsur dan kualitas terbitan/artikel: Jurnal Q4, data base hingga 2019. Namun satu volume bisa menerbitkan hingga 64 artikel. Dalam pembahasan juga masih ada gambar dengan Bahasa Indonesia
- e. Indikasi plagiasi: Tidak ada indikasi plagiasi.
- f. Kesesuaian bidang ilmu: Bidang ilmu artikel sesuai dengan bidang ilmu pengusul yaitu arsitektur pariwisata

Semarang, 22 November 2020
 Reviewer II,



Prof. Dr. Ir. Erni Setyowati, MT
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Gaining knowledge of empyak raguman to sustain javanese traditional environment

Vitasurya V.R.^{a, b} , Hardiman G.^b, Sari S.R.^b, Hadi P.^a [Save all to author list](#)^a Universitas Atma Jaya Yogyakarta, Yogyakarta, Indonesia^b Universitas Diponegoro, Semarang, Indonesia

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Abstract

Bamboo, as a common plant in Asia, usually used in Asian daily life from household tools to construction. The use of bamboo in a traditional house, particularly in Javanese, occurs in many building elements such as wall and roof construction. Empyak raguman, part of empyak (traditional Javanese roof structure), used bamboo in a vertical arrangement to cover the inside part. The use of empyak raguman being a part of Javanese local wisdom in bamboo usage. Started with the bamboo calculating the inside roof coverage to measure bamboo needs, selecting bamboo, preserving bamboo in natural way, assembling and finalized constructing bamboo in local tradition. The construction process did by gotong royong (work together in Javanese community) tradition. So, this paper explores how bamboo usage as empyak raguman in Javanese house considering the environment as a point of view. Used literature and in-depth interview with the traditional Javanese expert then compare with the usage of bamboo in modern way. The initial finding shows that bamboo usage in the traditional way is environmentally friendly than in modern way. So, this finding can be elaborated to develop bamboo usage in traditional pattern for modern living. © 2020, EM International. All rights reserved.

Author keywords

Bamboo; Empyak raguman; Javanese roof; Local wisdom; Traditional construction

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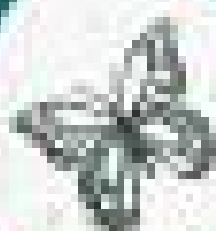
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PHYTOCHEMICAL PROFILING OF SELECTED MEDICINAL PLANTS USED BY PARAJA TRIBE OF KORAPUT, INDIA

Poly Tikadar, Sharat K. Palita and Debabrata Panda

Abstract

The present study reports the chemical profiling of 30 selected medicinal plants used by paraja tribe of Koraput. These plants were selected on the basis of their highest use value (UV) and Fidelity level (FL) from the ethnomedicinal documentation of 104 plants used by the paraja tribe. The plants were subjected for phytochemical analysis to determine the presence of secondary metabolites, which may responsible for their therapeutic effects as claimed by the tribal people. Phytochemical analysis of these plant extracts indicated that phenol, flavonoid, alkaloid, tannin and total antioxidant content were the major pharmaceutical parameters are present in varying proportions that are responsible for ethnomedicinal value. The plants were also contained significant amount of antioxidants that can be exploited as a potential sources for herbal remedy for various diseases. The study suggests that further work should be carried out to elucidate the possible mechanism of action of these extracts against various diseases.

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BIO MARKERS RESPONSE IN THE SNAIL CORNU ASPERSUM (GASTROPODA, HELICIDAE) USED AS BIO INDICATOR OF SOIL POLLUTION IN EXTREME NORTHEAST OF ALGERIA

Yousra Bairi, Karima Sifi* and Samira Kilani-Morakchi

Abstract

Our study aims to use the snail *Cornu aspersum* as bio indicator species to bio monitoring soil quality in northeast of Algeria through measurement of the seasonal activities of three bio markers, glutathione S-transferase, acetylcholinesterase and metallothioneins. *C. aspersum* were collected seasonally during the year 2016, at four sites located in the extreme northeast of Algeria. El Hadjar, site exposed to industrial wastes; the sites of El Tarf and Bouteldja subjected to urban and agricultural pollution; and El Kala, located in a protected park, chosen as a witness site. An inhibition of acetylcholinesterase and an increase of both glutathione S-transferase and metallothioneins were observed in samples collected from El Hadjar, El Tarf and Bouteldja as compared to El Kala. In addition, a significant seasonal effect was observed in spring and summer as compared to autumn and winter. This work reveal that *C. aspersum* can be used as a suitable bio indicator species for bio monitoring soil quality in northeast of Algeria who was related to sources of exposition to pollution.

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