



ICADECS International Conference on Art, Design, Education and Cultural Studies (ICADECS) 2021

Malang, Indonesia

29 July 2021

ISSN 2518-668X





COMMITTEE

Advisory Board

1. Dr. Hariyanto, M.Hum
Universitas Negeri Malang, Indonesia
2. Associate Prof. Adzrool Idzwan Ismail
Universiti Utara Malaysia. UUM · School of Creative Industry Management & Performing Art (SCIMPA)
3. Dr. Surasak Jamnongsarn
Traditional Thai and Asian Music Department, Srinakharinwirot University Bangkok
4. Beat Pfenniger; Dipl.Arch.
Eidgenössische Technische Hochschule Zürich, Switzerland
5. Terri Newman, M.A.
Elstree University Technical College, United Kingdom
6. Prof. Dr. Dharsono, M.Sn
Institut Seni Indonesia, Surakarta, Indonesia

Scientific Committee

1. Dr. Raja Iskandar Bin Raja Halid, Ph.D
Universiti Malaysia Kelantan, Malaysia
2. Prof. Suporn Soonthornnon
Yalla Rajabat University, Thailand
3. Prof. Tony Day
Yale-NUS College, Singapore
4. Dr. Encik Muhammad Hawari Bin Berahim
Universiti Malaysia Kelantan, Malaysia
5. Dr. Bandi Subandi, M.Pd
Universitas Pendidikan Indonesia, Bandung
6. Dr. Pujiyanto, M.Sn
Universitas Negeri Malang, Indonesia
7. Drs. Sumarwahyudi, M.Sn
Universitas Negeri Malang, Indonesia
8. Dr. Ponimin, M.Hum
Universitas Negeri Malang, Indonesia
9. Dr. Robby Hidayat, M.Sn
Universitas Negeri Malang, Indonesia



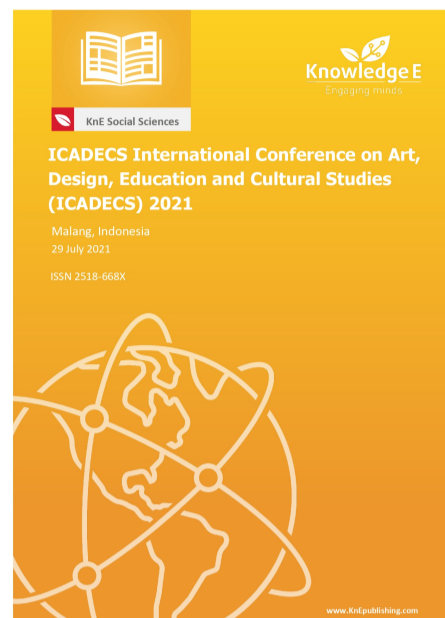


Co-Chairman: Ika Wahyu Widyawati, S.Pd, M.Pd.

Member:

1. Swastika Dhesti Anggriani, S.Sn ., M.A.
2. Agnisa Maulani Wisesa, S.Sn., M.A.
3. Yurina Gusanti
4. Dhara Alim Cendikia, S.Sn, M.Ds.
5. Lisa Sidayawati, S.Pd., M.Pd
6. Mitra Istiar Wardhana, S.Kom., M.T.
7. Arif Sutrisno, S.Sn, M.Ds.
8. Abdul Rahman Prasetyo, S.Pd., M.Pd.
9. Fariza Wahyu Arizal, S.Sn., M.Sn.
10. Hartono, S.Sn., M .Sn.
11. Yon Ade Lose H.
12. Joko Samodra, S.Kom., M.T.
13. Andreas Syah Pahlevi, S.Sn., M.Sn.
14. Denik Ristya Rini, S.Pd., M.Pd
15. Iriaji, M.Pd.
16. Rudi Irawanto, S.Pd, M.Sn.
17. Ike Ratnawati, S.Pd., M.Pd.
18. Novian Wahyu Firmansyah, S.Sn., M.Sn.
19. Muhammad Nurwiseso Wibisono, S.Kom, M.T

ICADECS International Conference on Art, Design, Education and Cultural Studies (ICADECS) 2021



PUBLISHED
2022-08-11

[KnE Social Sciences](#) / ICADECS International Conference on Art, Design, Education and Cultural Studies (ICADECS) 2021

This collection contains selected papers from the **International Conference on Art, Design, Education and Cultural Studies (ICADECS) 2021** held in Malang, Indonesia on the 29th of July 2021. This event was hosted by the Art and Design Department, Faculty of Letters, Universitas Negeri Malang.

The conference was held to bring together researchers and practitioners to discuss the latest innovations in Indonesian art and design approaches.

This *KnE Social Sciences* collection contains 47 peer-reviewed papers highlighting new forms of traditional and performance art and digital design techniques that have emerged in Indonesia in recent years, visual branding of traditional designs and art forms, and transformations in education and entrepreneurship in the fields of art and design.

These papers will be of interest to academics, students and professionals researching or working in the fields of art, design, education and cultural studies.

Conference date: 29 July 2021

Location: Malang, Indonesia

Organizer: Art and Design Department, Faculty of Letters, Universitas Negeri Malang

Editors: Joni Agung Sudarmanto, Wida Rahayuningtyas, Agnisa Maulani Wisesa, Mitra Istiar Wardhana, Arif Sutrisno, Abdul Rahman Prasetyo, Fariza Wahyu Arizal, Novian Wahyu Firmansyah, Muhammad Nurwiseso Wibisono

Published: 11 August 2022

ISSN: 2518-668X

[Creating Ceramic Art Using Indonesian Cultural Elements to Enrich Local Ceramic Craft Culture](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

Pages 1-9 • [Ponimin Ponimin](#), [Sumardianshah Bin Silah](#), [Mitra Istiar Wardhana](#), [Ike Ratnawati](#)

[Download fulltext](#)

[Personal Ethical Attributes on Bayu Skak's YouTube Channel](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

Pages 10-18 • [Gunawan Susilo](#)

[Download fulltext](#)

[Collaborative Practices in the Secondary Curriculum for Cultural Sustainability](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

Pages 19-26 • [Terri Newman](#)

[Download fulltext](#)

[Young Creative En](#) [Back to top](#) [ways: COVID-19 and the Creative Industry Sectors](#)

[Participatory Method and Regionalism Approach to Design Furniture for the Nginden Jangkungan Herbal Library in Surabaya](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

[Pages 236-244](#) • [Hendro Mozart Delahoya](#), [Nathania Melissa Yuliani](#), [Laksmi Kusuma Wardani](#), [Diana Thamrin](#), [Ronald Hasudungan Irianto Sitingjak](#)

[Download fulltext](#)

[Regionalism and Co-Design Approach in the Redesign of a Literacy Stage at the Nginden Jangkungan Herbal Library in Surabaya](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

[Pages 245-252](#) • [Nathania Melissa Yuliani](#), [Hendro Mozart Delahoya](#), [Diana Thamrin](#), [Laksmi Kusuma Wardani](#), [Ronald Hasudungan Irianto Sitingjak](#)

[Download fulltext](#)

[Building Indonesian Animation Students' Persona](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

[Pages 253-261](#) • [Dimas Rifqi Novica](#), [Susana Campos](#)

[Download fulltext](#)

[Local Community Development Through Product Packaging Design: A Case Study of the Derwanti Salted Egg Industry](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

[Pages 262-270](#) • [Nanda Nini Anggalih](#)

[Download fulltext](#)

[Music and Motion in the Performance Art of Roso Rerasaning Jiwo](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

[Pages 271-278](#) • [Tutut Pristiati](#), [Fenny Rochbeind](#)

[Download fulltext](#)

[Designing Interactive Multimedia Courses Using STEAM Education](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

[Pages 279-287](#) • [Andy Pramono](#), [Mitra Istiar Wardhana](#), [Joko Samodra](#), [Betty Dewi Puspasari](#)

[Download fulltext](#)

[Back to top](#)

[ICADECS INTERNATIONAL CONFERENCE ON ART, DESIGN, EDUCATION AND CULTURAL STUDIES \(ICADECS\) 2021](#)

[Pages 384-392](#) • [Dr. Pujiyanto, Assoc. Prof. Ahamad Tarmizi Bin Azizan, Andy Pramono](#)

[Download fulltext](#)

Contact

Email publishing@knowledgee.com

Phone +971 4 4227043

Address Knowledge E
Office 4401-04
Jumeirah Bay X2 Tower
Jumeirah Lakes Towers (JLT)
P.O. Box 488239
Dubai, UAE

Follow us

 [@KnePublishing](#)

 facebook.com/KnowledgeEGlobal

 [Youtube](#)

 [KnowledgeEGlobal](#)

[Find out more about Knowledge E from our corporate page](#)



© 2015 - 2022 Knowledge E, unless otherwise stated.

[Back to top](#)



International
Conference on
Art,
Design,
Education, and
Cultural
Studies

Certificate of Appreciation
awarded to

**HENDRO MOZART
DELAHOYA**

for attending **ICADECS 2021**
organized by **Art and Design Department**
Faculty of Letters, Universitas Negeri Malang
on **July 29, 2021**
as

Presenter



Thursday **JULY 29 2021**

NO. 29.7.25/UM32.2/DT/2021

Joni Agung Sudarmanto, S.Sn, M.Ds

Chairperson,
ICADECS 2021



Profesor Utami Widiati, M.A., Ph.D

Dean, Faculty of Letters
Universitas Negeri Malang

Participatory Method and Regionalism Approach of Furniture Design for Nginden Jangkungan Herbal Library Surabaya

Hendro Mozart Delahoya, Nathania Melissa Yuliani, Laksmi Kusuma Wardani,
Diana Thamrin, and Ronald Hasudungan Irianto Sitinjak

Petra Christian University, Surabaya

delahoyamozart@gmail.com; nathaniamelissay99@gmail.com;
laksmi@petra.ac.id; dianath@petra.ac.id; ronald_his@petra.ac.id

Abstract

Surabaya's vision to become a literacy city has given birth to 533 regional libraries until 2019, initiated by the mayor of city, Tri Rismaharini. In 2020, Nginden Jangkungan Herbal Library was chosen as the best regional library in Surabaya, with facilities and infrastructures supporting various literacy activities. However, in terms of visual and functional quality of interior design products, there is still much that can be developed. This research uses the participatory design method combined with a regionalism approach. The method was used to engage the community to develop their library with their own potentials and resources. Meanwhile, regionalism approach was adopted to develop the local potential in the global perspective. The objective of this research is to enrich the use of local resources by utilizing them as parts of furniture design for the herbal library. There are many herbal plants on the surrounding site that can be used by the local community. Therefore, Eco-print training was held to educate the community and provide a transfer of knowledge about the benefits of herbal plants other than for consumption. The results of this Eco-print training were then used as a part of library's furniture such as upholstery, which were designed in a modern way. Through the participatory method, the community can further develop this Eco-print potential for the development of various products that can support the literacy activities of the public library.

Keywords: literacy, participatory design, regionalism, library, Eco-print

1. INTRODUCTION

Surabaya has a vision to become a Literacy City under the leadership of Tri Rismaharini as the mayor of the city. One of the interesting programs that support the movement is Surabaya City of Literacy which was declared on May 2, 2014 (Karnanta, 2019). The Community Reading Park is a tangible manifestation of the literacy movement that has been carried out by the Surabaya City Government under the management of the Surabaya City Library and Archives Service. By the end of 2019 there were 533 village libraries spread across 31 sub-districts throughout Surabaya (Kurniawan, 2019). Nginden Jangkungan Herbal Library was chosen as the first winner in the 2020 Village Library Competition. In the next stage, this library will be the representative of the city of Surabaya to take part in the Provincial Level Village Library Competition.

The regionalism approach will be applied to bring out the common interests of a community and ignite the enthusiasm of the community to maintain and increase local potential (Canizaro, 2007). So far, the interior product facilities in the Herbal Library do not yet have a maximum visual design. The results of this study are designed to support the Surabaya City Government program. Realizing the Nginden Jangkungan Herbal Library to become a Community Reading Park with interior product facilities that are educative, communicative, recreational, and represent local identity.

2. METHOD

This study uses the Participatory method x Design Thinking applied by Thamrin et al. (2019), which combines six stages of design thinking from the Stanford School of Design (Carroll et al. 2010) with three stages of participatory design from Spinuzzi (2005). The development of the methodology was carried out and adapted to the conditions of the community around Nginden Jangkungan Herbal Library. The results of the study were applied in an interior product set for the Nginden Jangkungan Herbal Library.

Desk 1. Summary of the combined methods developed by the researchers

Design Stages	Design Methods
Understand – Observe	<ul style="list-style-type: none"> • ethnographic study, exploratory survey, interview, local potential mapping
Point of View – Ideate	<ul style="list-style-type: none"> • product existing analysis, activities and space requirements analysis, focus group discussion
Prototype - Test	<ul style="list-style-type: none"> • collaboration, products are made and tested for the benefit of the community.

3. FINDINGS AND DISCUSSION

3.1. Understand-Observe

The design process started with the Understand stage, using the ethnographic study, a study in which the researchers involved themselves in the daily activities for a significant duration time (Blasiger and Lambelet, 2014). The Herbal Library is located at Nginden VI-i, Surabaya. This design uses a regionalism approach so that there is a relationship between the tangible (tools, people) and intangible (skills, values) qualities of the Herbal Village environment (Canizaro, 2007). The local potential is packaged in a modern way for the present and future community so as to produce a sustainable design. The processing of materials, including transportation from transport, delivery, use, to disposal or final recycling creates a carbon footprint. (Sjarief, 2021). The regionalism approach with the selection of materials as close as possible can reduce the carbon footprint. Based on the Quantity Standards for Village Library Facilities, there are several needs that have not been owned by Herbal Library (Perpustakaan Nasional RI, 2011). In addition, there are also those that have been fulfilled, but are still not visually attractive.

The second stage was the Observe stage, in which the researcher applies the exploratory survey method because the knowledge about the problem to be studied is still shallow. The questions asked in this method are local potential, form of participation, number of participations, and so on. The survey was conducted on April 22-27 2021 with a sample of 54 respondents from Nginden Jangkungan Herbal Village, Surabaya. In addition, researchers also conducted interviews as well as direct observation of the activities of the community and staff at the Herbal Library.



Figure 1. Interviews and Library Activities (2021)

One of the survey results stated that the highest activity in the Herbal Library was discussing/getting together and reading and borrowing books. Based on the results of an interview with Mrs. Reny (Figure 1), one of the Herbal Library staff stated that children like to sit on the floor. However, there are no sitting facilities such as cushions, carpets or the like. In

addition, she also stated that adults still need chairs for adult reading areas, especially for the elderly who cannot sit on the floor.

In addition to finding out the activities in the Herbal Library, the researchers tried to map the local potential in Herbal Village. They have a lot of leaves which of course are very abundant because of the existence of the herbal garden as an icon of the village. These abundant natural resources are commonly used as medicines, food, and beverages. Herbal Village also has residents with hand skills such as weaving bamboo and processing wood. In addition, the existence of a waste bank also makes residents have creations from used plastic bottles.

3.2. Point of View-Ideate

Point of View stage is carried out with analysis of activities and space requirements to ensure that the furniture needs are in accordance with the needs of the object of research. The circulation service area (Figure 1) has a function as a facility for borrowing and returning books, filling in guest books and an administrative area, which requires a work desk for officers. This area is also the lobby of the library. Hence, it needs an attractive design and shows the identity of the Herbal Library. The white shelf (Picture 2) is used as an herb shelf as a concern in educating about herbal. Herbal Library wants to be a place for herbal plant education with a decent and attractive design but also informative. Therefore, we need a unique design. The reading area (Picture 3) does not have seating facilities, both for lesehan children and adults who need chairs. The need for sitting facilities is very important so that communities are interested in studying in a library with comfortable and visually beautiful facilities.



Figure 2. Existing Furniture (2021)

Analysis of activities and space requirements, yielding the concept of BUDI which is taken from the word 'Budi'. It means education to develop the body and humans, aims to make the products designed to increase the interest in learning which of course can develop the community. BUDI is an acronym for:

- Blend: utilizing various potential materials in Herbal Village to become a product
- Unity: accommodates various activity patterns to create a multifunctional product.
- Dynamic: accommodate the changing activity needs, generate fluid and dynamic design to follow the spirit of the community.
- Interlocking: the value of 'gotong royong' in helping others, which are implemented in a detach and build-in systems.

Furthermore, the design process is carried out with initial sketches, alternative designs to the final design which is visualized with 3D rendering below.



Figure 3. Furniture design visualization (2021)

Entering the Ideation stage, Focus Group Discussions (Figure 4) were conducted by the researcher together with all groups of people involved in the project (users, partners, local communities) to contribute ideas during the design process as a form of participatory design

(Thamrin, et al., 2020). Circulation desk has recycled wood ornaments in front, showing a natural identity as an Herbal Library. With a build-in herb shelf design, combining wood and iron materials. The design is made as light as possible so as not to give the full impression of the space. Sitting facilities are provided in the form of a bench under which there is a storage area for a Lesehan seat for users who want to sit below. Eco-print application by utilizing leaves from herbal plants that are easily found around the Herbal Library.



Figure 4. Focus Group Discussion (2021)

3.3. Prototype-Test

In the Prototype stage, collaboration process with designers in the implementation of the design ensured the usability of the design to the community and the society (Thamrin et al. 2018). After finding the design results that have been mutually agreed upon, the production process is also carried out with local communities. Utilizing one of the local materials, namely leaves from herbal plants found around the Herbal Library using the Eco print technique. Eco print is a process of transferring shapes and colors to the fabric through direct contact (Saptutyingsih, E., & Wardani, D. T. K., 2019).



Figure 5. Eco-print training (2021)



Figure 6. Eco-bench (2021)

Researchers conducted Eco print training (Figure 5) to local community. Raw materials such as papaya leaves, dadap leaves, and neem leaves are easy to obtain and are widely available around the Herbal Library. This activity aims to educate local community in utilizing their wealth of natural resources. Provide insight into activities, which at the same time can provide economic benefits for the community around the Herbal Library. This process proved to be a truly collaborative process of a team work between designers and the community. The result of the Eco-print is used for the pillowcase on the Lesehan seat as a part of the Eco-bench (Figure 6). In addition, the leaves are also used for Eco-bench seat that is given resin so that the design can match the Lesehan seat.



Figure 7. Production process (2021)



Figure 8. Products placement and testing (2021)

The production process of the circulation desk and herb shelf is carried out in the Petra Christian University wood laboratory with the help of staff (Figure 7). The circulation desk has a function as a work desk and a shelf for children's crafts. On the other side, herb shelf is very useful for the community to learn and educate about herbs. It has another function as a display

rack for local products and several awards that have been achieved. The need for sitting facilities has also been fulfilled through the Eco-bench. The last stage was the Test stage, in which the researchers invite the community to use and evaluate the products. In addition to providing positive and constructive suggestions, the community also collaboratively organizes product placement in the Herbal Library (Figure 8).

4. CONCLUSIONS AND SUGGESTIONS

Utilization of local potential has been realized through Eco-print techniques on sitting facilities and the use of recycled wood on circulation desk ornaments. Eco-print results can still be used for various other products. Meanwhile, the participation of the community in the whole design process yielding experiential learning, a sense of belonging, and social interactions between the researchers and the community. Participatory method and regionalism approach can produce innovative designs based on their local materials, unique potentials, and their local community. Produce designs according to the needs that are packaged by elevating the local identity of the Herbal Library.

5. ACKNOWLEDGEMENTS

The authors would like to acknowledge the financial support from the Ministry of Research and Technology/National Research and Innovation Agency in this research study. We would like to thank Surabaya City Library and Archives Service, Nginden Jangkungan Herbal Library for their collaborations in this research, and also the head of the Petra Christian University wood laboratory and the staff for the cooperation in the production of prototypes.

6. REFERENCES

- Canizaro, Vincent B. (2007). *Architectural Regionalism: Collected Writings on Place, Identity, Modernity, and Tradition*. Princeton Architectural Press, 67-69.
- Carroll, M., Goldman, S., Britos, L., Koh, J., Royalty, A. & Hornstein, M. (2010). Destination, imagination and the fires within: design thinking in a middle school classroom, *International Journal of Art & Design Education*, Vol. 29, No. 1, pp. 37-53.
- Karnanta, K.Y. (2019). Catatan Lima Tahun Surabaya sebagai Kota Literasi. *Jawa Pos*. 15 September.
- Kurniawan, D. (2019). Pemkot Surabaya Tambah 66 Taman Baca Masyarakat hingga Oktober 2019. *Liputan 6*. 11 September.
- Perpustakaan Nasional RI (2011). *Standar Perpustakaan Desa/kelurahan SNP 005:2011*. Jakarta: Perpustakaan Nasional RI, 2011.
- Saptutyningsih, E., & Wardani, D. T. K. (2019). Pemanfaatan Bahan Alami Untuk Pengembangan Produk Eco-print Di Dukuh Iv Cerme, Panjatan, Kabupaten Kulonprogo. *Warta LPM*, 21(2), 18-26.
- Sjarief, Realrich. (2021). *Strategi Arsitektur Berkelanjutan untuk Mahasiswa*. Jakarta: RAW, 2021.
- Spinuzzi, C. (2005). The methodology of participatory design, *Technical Communication*, Vol. 52, No. 2, pp. 163-74.
- Thamrin, D., Wardani, L. K., Sitinjak, R. H. I., & Natadjaja, L. (2018). *Participatory Approach in the Design of Creative Community Spaces in Surabaya* (Doctoral dissertation, Petra Christian University).
- Thamrin, D., Wardani, L. K., Sitindjak, R. H. I., & Natadjaja, L. (2019). Experiential Learning through Community Co-design in Interior Design Pedagogy. *International Journal of Art & Design Education*, 38(2), 461-477. <https://doi.org/10.1111.jade.12208>
- Thamrin, D., Wardani, L. K., & Sitindjak, R. H. I. (2020). Empowering Surabaya Creative Communities and Start-Ups through Human-Centered Design. *Thamrin, D*, 102-112.