

Theory, Analysis and Design development of the spatial character: A Case study of Galayani Vadhana district, Chiang Mai

ทฤษฎี วิเคราะห์และพัฒนาการการออกแบบคุณลักษณะเชิงพื้นที่ กรณีศึกษาอำเภอภักดีวัฒนา จังหวัดเชียงใหม่

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บทคัดย่อ

บทความนี้มีจุดประสงค์เพื่อนำเสนอถึงขั้นตอนการศึกษาและขั้นตอนการสร้างสรรค์เอกลักษณ์ของอำเภอภักดีวัฒนา จังหวัดเชียงใหม่ โดยมีการพัฒนาข้อมูลจาก 3 องค์ประกอบหลัก ประกอบด้วย 1. ธรรมชาติและสภาพแวดล้อม 2. คติ ความเชื่อของชาวกะเหรี่ยง 3. วิถีชีวิตและประเพณีวัฒนธรรม ซึ่งทั้งหมดมีความสัมพันธ์เป็นอันหนึ่งอันเดียวกัน มีวัตถุประสงค์เพื่อการแสดงออกถึงมิติของสิ่งที่ซ่อนเร้นสู่สาธารณะรวมทั้งการนำเสนอการแก้ไขให้ถูกต้องสำหรับการจัดสรรระหว่างการประดับตกแต่งและโครงสร้างจนถึงความงามกับความจริงที่เกิดขึ้นและการแสดงสาระสำคัญของการแทรกตัวในกายภาพของ สภาพแวดล้อม เพื่อแสดงออกถึงเอกลักษณ์วิถีชีวิตที่ปรับให้สอดคล้องกับวัฒนธรรมและสภาพแวดล้อมโดยมีคำถามวิจัยที่สำคัญคือการสร้างสรรค์ลักษณะเฉพาะให้กับชุมชนหรือพื้นที่ใดพื้นที่หนึ่งนั้นเป็นการ “สร้าง” เพื่อ “แสดงออก” ถึงความเป็นอยู่และภูมิปัญญาของคนผู้เป็นเจ้าของพื้นที่

ขั้นตอนการศึกษาวิจัย ประกอบด้วยการลงพื้นที่เพื่อทำความเข้าใจบริบทและสภาพแวดล้อมภายในอำเภอภักดีวัฒนา การสัมภาษณ์ชุมชนเพื่อทำความเข้าใจเชิงลึก จากนั้นนำข้อมูลที่ได้มาวิเคราะห์ สังเคราะห์ด้วยทฤษฎีบริบทนิยม ศึกษาองค์ประกอบต่างๆของชุมชน, การศึกษาแบบองค์รวมให้เห็นภาพรวมของชุมชน, ทฤษฎีพหุนิยม เพื่อการผลักดันความเป็นท้องถิ่นให้แสดงออกถึงลักษณะของตัวตนที่ชัดเจนมากขึ้น และนำมาพัฒนาเป็นงานออกแบบ เพื่อก่อให้เกิดเอกลักษณ์เชิงพื้นที่ต่อไป

ผลการศึกษาพบว่า “ลูกสน” เป็นสื่อหรือตัวแทนของอำเภอภักดีวัฒนาเนื่องด้วยสภาพแวดล้อมของชุมชนเป็นผืนป่าสนขนาดใหญ่ที่สุดของประเทศ ประชาชนในชุมชนมีความรู้สึกผูกพันทั้งทางความรู้สึกและการใช้ชีวิตเป็นอย่างมาก การ “เกิดใหม่” ของลูกสนเปรียบเสมือน “ผล” หรือตัวแทนของความผูกพันของผืนป่ากับชาวกะเหรี่ยงที่ทำหน้าที่รักษาป่าตลอดมา

การสร้างสรรค์สภาวะ “ตัวแทน” หรือ “สัญลักษณ์” ในยุคสมัยปัจจุบัน โดยการออกแบบ “สื่อ” ที่มีลักษณะสะท้อนภาพลักษณ์ของวิถีทางวัฒนธรรม สื่อสารกับสังคมภายในและภายนอก เพื่อก่อให้เกิดการรับรู้และเข้าใจตัวตนของชุมชนมากขึ้น สิ่งที่เกิดขึ้นนั้นเป็นองค์ประกอบใน “สภาวะร่วมสมัย” โดยใช้การติดต่อและการ

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แพรงตัว ที่เป็นแนวคิดทางชีววิทยามาพัฒนาต่อยอดระหว่างวิถีกับมุมมองจากคนในสังคมที่มีความเชื่อแตกต่างกัน โดยมีความประสมประสานระหว่างตัวแทนทางกายภาพของชุมชนกับวิถีของวัฒนธรรมชนเผ่าที่เกิดขึ้นก่อให้เกิดมิติทางการออกแบบที่สามารถสะท้อนภูมิวัฒนธรรมของอำเภอภักดีพัฒนาได้และการรับรู้ของคนในชุมชน พบว่าอาจจะยังมีความไม่เข้าใจในลักษณะใหม่ของผลงานเท่าที่ควร แต่ในทางกลับกันเมื่อได้มีการแลกเปลี่ยนถึงความคิด ขั้นตอนและการพัฒนางานแล้ว พบว่าภาพรวมมีความพึงพอใจในชิ้นงานที่ยังคงรักษาวิถีทางวัฒนธรรมของชาวกะเหรี่ยงไว้ได้เป็นอย่างดี

Abstract

This article is intended to present the educational process and the creation of a unique Galayani Vadhana district, Chiang Mai Province. Emphasising in development of three main elements: 1. The nature and environment 2. Belief 3. Karen's lifestyle and culture, Which are interrelated unity and intended to express the magnitude of what is hidden to the public. The presentation of the correct allocation between decoration and structure to the beauty of the actual and the essence of the insert itself in the physical environment to show the unique way of life that is tuned to. consistent with the culture and environment, with important research question is to create a unique look to the community or an area that is "Built" to "Show" the wisdom and well-being of the people who owned the area.

The study consists of the area to understand the context and environment in the Galayani Vadhana district, community-depth interviews to understand. The data was analysed and synthesised by theory of Contextualism: The various elements of the community, Holism: A holistic community and Pluralism: pushing the local expression of the nature of identity more clearly. And lastly to develop a design and contributes to the unique spatial further.

The study found the "Pine Cone" as a representative of the media or Galayani Vadhana district since the community environment is the largest pine forest of the country. People in the community are quite familiar with the life cycle of the pine tree and the newly for selected for the pine cone which were engagement with Karen forest that concentrated a forest preservation.

The creation of a state "Representative" or "Symbolic" in today by design "Mats" that reflects the cultural characteristics. Communication with internal and external social Contributes to the awareness and understanding of the identity of the greater community. "Mats" are the elements of "Temporary conditions" while used "Grafting" concept is further to develop biological pathway between the views of people in society who believe differently. By a combination of the physical representation of the community's way of tribal culture which. Causing a dimensional design that reflects the cultural landscape of the Galayani

Vadhana district evolution and recognition of the community. That may also not understand the nature of the work as it should. But on the other hand, when the exchange of ideas. Procedures and development work. It used found that overall satisfaction with the work that has maintained a culture of Karen unfold them as well.

1. Introduction

1.1 Background

Galayani Vadhana district located in Chiang Mai, Border Pei community, Mae Hong Son district in the north, East face with the Sa-Meung district, South connect with Mae Jam district, And west side next to the main city of Mae Hong Son Province. The entire district is located in Mae Jam national forest, which covers all areas of the Galayani Vadhana district.

This area was set up by “extra space” reasons. The district is far from Mae Jam district, Have difficulty in getting to contact the government or some business. Chiang Mai province official established Galayani Vadhana district due to natural capital and perfect resource, which can set up the new area of economic tourism.

Most of the population in the area is Karen. Also known as the Pa-Ka-Ker-Yor which have their own language and culture. Karen, a tribe that has many, many origin, languages, religions are different. But Karen is a traditional animist. They have strong belief in tree and forest, Later they turned to be Buddhist, and the Christian. Karen have settled in the country. After being invaded by war The Karen immigrants living in Thailand.

From a new district of the country together with the policy approaches to a city of eco-tourism which respect to the environment and cultural community. They are the advantage of natural resources, and also the existence of its residents live according to the tradition. Therefore it is essential to have an understanding and communication which can create a unique identity of the community and also to represent the community in expression



to those who visit the Galayani Vadhana district in the future.

Figure 1. Galayani Vadhana district

1.2 Objective

1. To investigate Dimensional cultural beliefs, ways of life in the environment, latency and organise an appropriate environment and society today of Galayani Vadhana district.

2. To find out methods of invention and Design development, The blend between the beauty and function of spatial character Galayani Vadhana district.

3. To demonstrate essence in spatial character with a uniqueness of spatial and environment in Galayani Vadhana district.

1.3 Hypothesis of the research

Creating a unique spatial character for place, Things that community “Have”, things that community “Is” and things that community “Believe”, causing a form of identity to reflect the place.

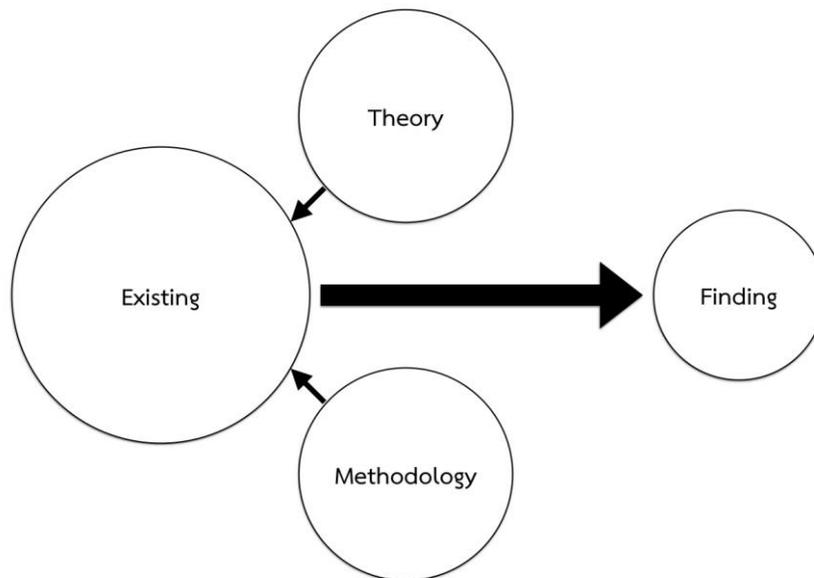


Figure 2. The integration from theory to methodology

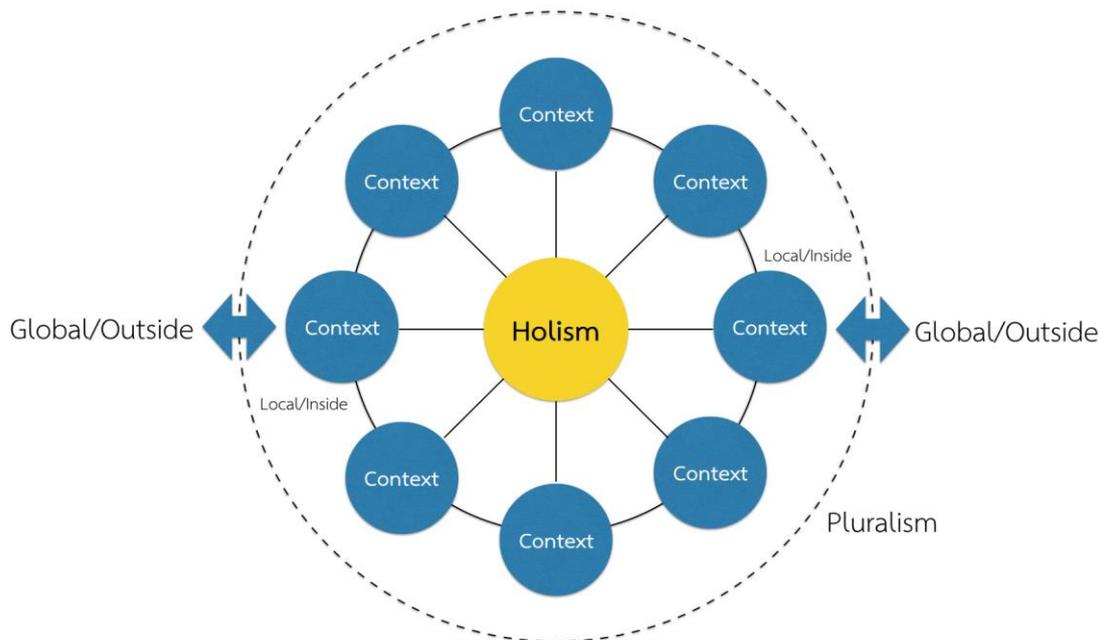
2. Literature review

2.1 Existing of Galayani Vadhana

The existence of the Galayani Vadhana district. In the "Tangible" and "Intangible" dimensions that are related to each other. The existence and effect until the cause of the visual characteristics of the area. The results of the preliminary area. To study the environment in general, it was found that the physical image of the Galayani Vadhana district, the pine forest is the physical, tangible most clearly. However, with an overview of the area is in the custody of the Department of Forestry. So far, there is a real administrator Karen. The pine forest in the area is a part of life, from birth to death, tied to cultural beliefs. Environment undertakings together. The word "The forest is like a home," Karen, including the "Par-Jed-Chan" is a strategy that reflects the cycle of forest coordination with the lifestyle of Karen's generosity towards each other.

The Karen's role is in the hills. For receiving a pretty good life, there are rules and regulations with a religious tradition dating practices legendary, and especially valuable with good basis whether it is a fraternal affection. To help each other Dependence The share of those who do not have to, and have the foundation for a focus on "People" by holding the central of the belief that "Human" is created with the most precious of all. The value and dignity of the people. He could not be destroyed or defaced. And if one is to consider the relationship between humans and the environment around humans, there are three dimensions.

1. The relationship between humans and the supernatural.
2. The relationship between fellow human beings.
3. The relationship between man, nature and built-environment.



Concepts and theories that were used in this study.

Figure 3. The diagram of effective theory

2.2 Theory

2.2.1 Contextualism

Contextualism concept is built on the basis of an analysis of the various elements that affect what is going to perform. The study found that the Galayani Vadhana district give priority to the social space to cover the springing forth of new local communities. As well as provide space for spectacle and reality in a new community, a sociologist and anthropologist, and a resident of the area where “Man” means more than physical appearance in concerning with the natural resources and the settlement of the population. The theory behind the popularity is linked emotional between the residents of the various forms of cultural identity and ethnic nationalism as well as the economic, political and cultural property into the flow analysis. popular with locals

Analysis of the elements found in the wild as a cultural context that deeply affect each Galayani Vadhana district. People do care to preserve wild forests which are still plentiful. It is home to wildlife, natural watersheds. A large source of food, culture and the forest, which can be used a tool for conservation of the community. Creating a bond between people and forests, with cultural traditions, people and culture can create a virtual organised coexistence steps to lifestyle.

The three elements that Required characteristics of social (Social space) can be adjusted or aligned with cultural traditions, consistent way. Traditional systems can operate normally, and be able to reflect the unique characteristics of the community or culture.

2.2.2 Holism

Holism is a concept used to study small element in the context of a relationship and be a factor in the process. Causing visual identity truly is the "Unity" of the Galayani Vadhana district. This will distinguish the elements is essential.

From the life of Karen's role in the relationship with nature and the supernatural. Causing the tradition Cultures as a tool to create a society of people in the community doing happily and understanding of nature. A tradition that has been the practice inherited from the past to the present. Each tradition has an affinity with the traditional one. This can be seen as a holistic system of Pa-Ka-Ker-Yor unity clearly.

Such a concept synthesised the grouping of elements in the traditional way, lifestyle or beliefs together. The results showed that In all aspects of the international acts, coherence includes the natural and the supernatural.

2.2.3 Pluralism

The concept of cultural diversity Relevant and overlaps with the concept of identity that is caused when globalisation has an idea or the will to resist. The study and treatment of diverse cultures to remain with the opposite. The globalisation of the local popular (Localism) and the concept of identity (Sense of identity), so the culture needed to be studied and understood within the framework of culture. Changes and steps away from space and time, race, religion, language and borders. In the past, adapt to the world culture, dealing with diverse cultures. The process of globalisation means spreading culture to others.

If ethnic identity is fluid together with modifications, to the The key question in the study of ethnic identity is another. Reason to choose members of ethnic cultural properties either in the definition of identity, or open the issue for people in society to realise the nature of things that coexist in society, lead to the question, What is the difference of racist ideas, ideals, beliefs or lifestyle?

Pluralist concept Accepting diversity, respect for cultural institutions. The importance of the various groups to focus on subgroups (Subculture) and established the identity of the variety and complexity (Multiple Identities) to appear and did not appear again. We believe that the concept of pluralism. It is one of the tools to reduce the difference in the society. It is found that the appearance of a popular local district Galayani Vadhana, is one's own height. And sufficient to develop a unique style to communicate with people from other societies who come to visit. Thus lead to the development of the community in the future.

3. Methodology

This research based knowledge discovery from the fact that the phenomenon is real evidence (Ground theory approach) and the methodology (Mix method) due to the combination of pattern in the other dimension to rearrange their order. To create a protocol specific to the project casual relationship consists of logical relationships, as a guide to find the truth of the community. Spatial aspects constructionism cause and effect relationship that appears real. The structure for the adaptation of Karen's problem or the structure of a virtual system, and relationships with people who are all comprised of people, the environment and the supernatural, can be seen as encouraging a balanced system.

Starting with real phenomenon Narrative interview (Positivism and Phenomenology) provide demographic studies and interviews recounting what happened. As the social and community To forecast the future Some will see it as the Karen in Galayani Vadhana district present the knowledge, skills, tricks the ground, since receiving a good education. local people

can understand the pros and cons of the current state of social community. Some districts are expected to be fully develop. This caused some commentaries on the research, such as the need to conserve and preserve the identity of the community.

3.1 collect qualitative data

Focus group discussion, interview, focusing on demographics and in-dept interview, and allowing the context to take the lead in my research process is one way of establishing the primary importance of the physical, social and background setting. It can be used to determine a typical context, which then provide an example of conditions found elsewhere.

A particular with reference to other circumstance following the same rules- allows a typology to be established: a repeating pattern, form, and space, Second: (unique) - This kind of contextual study seeks to understand what it is that sets a place apart as different and specific. This research used context to describe what the subject of research is, Karen's relationship with the environment, cultural beliefs and way of existence.



Figure 4. Field survey and interview

The perception of the human being can acknowledge of the existence of the world and the environment surrounding them through the sense. The awareness of surrounding things made the perception of selfness. The art creation process, in the same way, needed both external factor and also inner mind or "intuition" to look the true existence linking to other things.¹

4. Designing

In the process of designing this The research divided the development stage design consisted of five stages.



Figure 5. The diagram of designing process

Step 1 : Find out what is the symbol (Searching).

From the area to search Galayani Vadhana characteristics representative of the district, using the techniques of interviewing people with no formal community, combination with data on all aspects of the area. Use open-ended discussion. So that the community does not feel forced. Choosing a time during the day In the unofficial, the interview is due to the

¹ Sittichoke Nuamcharoen, The Relationship of Nature's Spirit, accessed February 8, 2016, available from <https://www.tci-thaijo.org/index.php/Veridian-E-Journal/article/viewFile/45166/37377>

difference of the two main groups, those groups are the general public. A group that is an administrator or acting as sheriff, bailiff of the community, community leaders and so on.

From the area found the symbol of the Galayani Vadhana district as “Pine cones”, which is a direct output of the pines. Pine, which are a symbol of the community. The views and opinions almost everyone who had the opportunity to interview for a similar viewpoint. And researchers have found that in the meaning hidden in the pine cones. Thus giving birth The existence of a line of pine interbreed. The cones will be more or less. However, becomes interbreeding With elements like the environment: associated with the deep inevitable as topography, climate, people in the community who is Karen's role in a belief that is linked to the pine forests of the entire life from birth until died.



Figure 6. Pine cone

Step 2 : analysis of “Pine cones” symbolic. The dimensions of tangible and intangible (Analysis).

Tangible: The unique shape of the surface: “Circle shape and Spiral curve” is seen simply and clearly as possible, and show personality. The identity of the cones are easiest. The perception from the inside External synchronisation direction “Rough skin texture” is rough, notifier reflect a physical relationship with the environment, frankly strength over time.

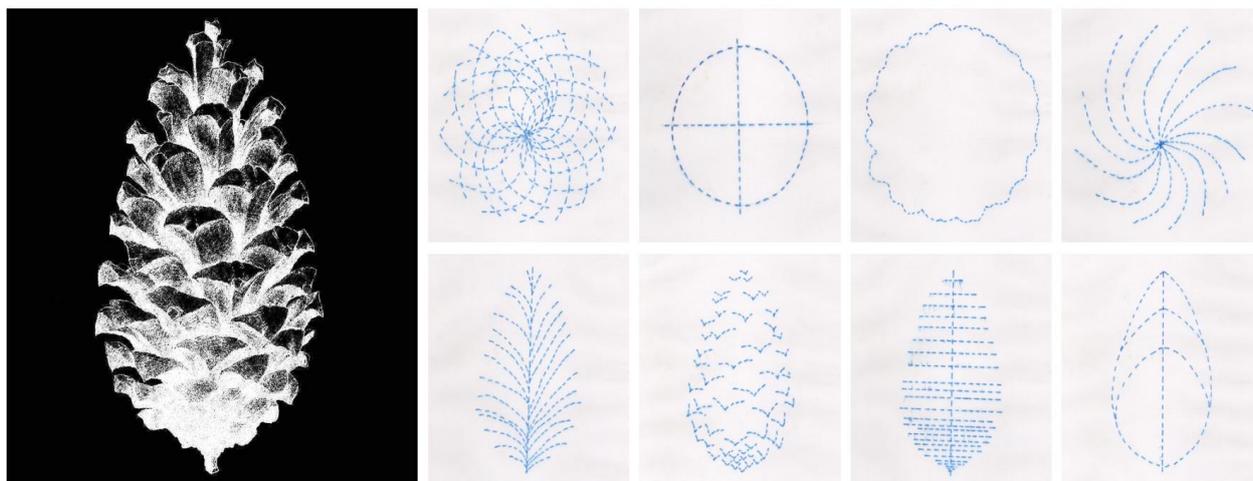


Figure 7. Pine cone analysis

Intangible: Zero to infinity origins endlessly. Such reflection of sustainability. Both physical and feelings of the people and the community. The pine cones and pine forests remain as the physical reflection of the basic needs of life. The need to live according to the union, as the demand for a limited quality of life, mental images or feelings, can be a matter of mind in their society, in response to something other than physical appearance. Both natural, simplicity and austerity.

Step 3 : interface (Grafting)

The interface one technique is to synchronise the tissue of the plant those are roots and branches bred together. It live and grow together. The same plant can be classified as grafted plants, which can be done in many ways, as appropriate, depending on the type of plants, season and expertise.

Researcher's interested is to apply this technique to be synchronise. The two things together, one is to observed, the second consists of "Pine cones" that are characteristic of the environment, the community and the "Cultural landscape", which is the basis of cultural ecology. Culture (Way of life) shared the same ethnic community (Ethnic village), which is found in all the rituals. Sitting among the combinations (Sitting among the ground) or to meet a specific behavioural traditions that remain, and maintained in Galayani Vadhana district.



Figure 8. Grafting technic between ritual formation and form

(Picture from

<http://topicstock.pantip.com/blueplanet/topicstock/2008/03/E6394450/E6394450.html> ,
<http://www.bloggang.com/mainblog.php?id=zaxzophone&month=10-01-2006&group=7&gblog=6> , and Diagram by Author)

Step 4 : Creation through the combination. Between the symbolic and culture(Mutation).

The circle is like the uncertainty. Power of Movement Instead, the power of unity. The clusters The abstract nature, positive right through the design identity of the Galayani Vadhana district, Continuous structure through behaviour in the tradition of Karen's found consistently in all aspects such as family systems. Social communities are connected to the system, a larger kinship. Harmony in the tradition and way of life are very interesting.

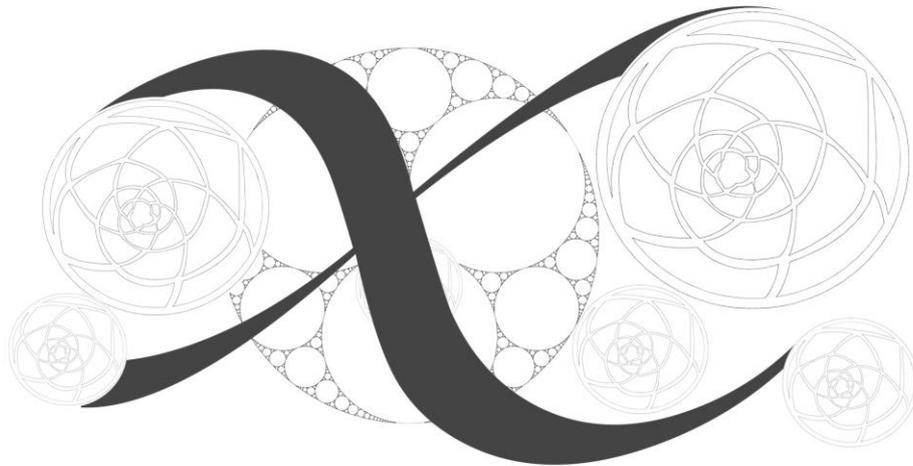


Figure 9. The creation of identity

Step 5 : Designing identity

The mat design that can support the format of the local tradition. From the smallest to the largest space. This is a tradition between the traditionally attended by over 10 people mats, this piece has the look of a sphere composed of three diameter sizes of 0.45, 0.90 and 1.80 meters for support in all aspects of behaviour and activity. Both indoors and outdoors and also take the form of a bamboo structure. The woven nature of the screw pine cones. It is structured to increase the stronger of use. Including the appearance of millet embroidered on the shirt Karen. A tool to tie a tie connections between pieces per pallet. Information about the trajectory of the Karen lifestyle based on simplicity, faithfully personality that contributes to the relationship between the area and the lifestyle that could reveal the identity of the spatial character.

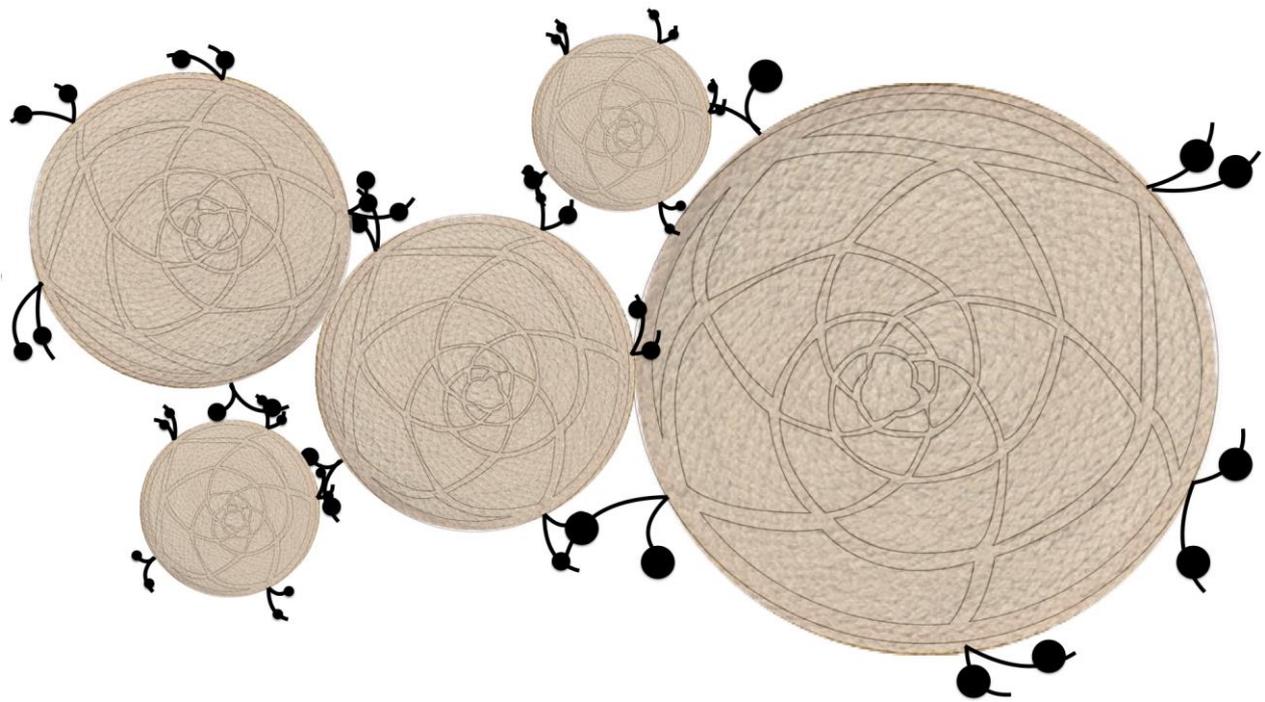


Figure 10. Mat of Galayani Vadhana

5. Conclusion

Representative of Galayani Vadhana: Pine cone

The search for "Things" that represent the Galayani Vadhana district acquisition is "Pine cone" is the inspiration and the tools of analysis and physical design. The meaning of the cones that are interesting. For example, pine needles fell to the ground deposition. Lace another fall can not germinate. The cones can be inserted into the soil until the roots grow. Pine forest, pine, but so often alone. This is like keeping their own identity through the natural and applied in many dimensions. The research focuses on the use of cultural heritage in the sphere and thus leading to a spiral of Pattern used in the design.

Design conclusion: Skin, Frame, Joint

The design was found Spatial character design principles are at the heart of the town.

Skin: The skin of this design. Expression of wholesome natural look. Simple, straightforward, pose recognition both concrete and abstract style. It is communicated to the identity of the context clearly and concretely as possible. **Frame:** frame of the piece. As the shape of the place. Shape to reflect the expansion. **Joint or Connecting:** to act or an area adjacent to the area. Expand the use and activities in line with their traditions or ritual. However, progress is made by substituting material used in original object with something

more practical and suited to the demand of consumers, function: it must be practical for daily function, Aesthetic: it must be aesthetically pleasing to consumers, Meaning: It must convey the meaning the designer intend to deliver²

Perception conclusion : View from users

A summary of the final series Is the area to assess the perception of the community. The concept of awareness of their own identity. By providing the community experience as an organ of vision, Listening Sensation, Skin Senses is the mechanism of exposure, which s very important in order to contribute to the perception and learning to the recognition process knowledge or information. Press into the brain Through sensory organ and experience as a key component that causes mental or concept and attitude.

The final assessment user groups found that more than 70% had a good impression at work. The mat can communicate well in terms of the identity of the pine cones. Touch with simplicity Consistent with the way the community And after the trial, showed an impressive variety of applications. Consistent and practical importance.

² Smart Prateepavanich, The development of fashion from the beliefs and amulets of Thailand, accessed February 8, 2016, available from www.tci-thaijo.org/index.php/Veridian-E-Journal/article/Viewfile/37590

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