

## “Vitamin SEA”

### Media Art to communicate for the turtles conservation center in Sattahip, Chonburi.



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#### Abstract

The research objective is 1. for learn, help and study the ecosystems in underwater around the area of East Coast beach in Thailand. 2. The best practice in Ceramics design to study the technical of ceramic and to create the artworks for environment. 3. The result of research into the Turtles conservation center, and the contribution knowledge that can be applied in Ceramics design and Visual Communication Art as well.

Research of the decline of marine ecosystems. Sattahip area There are five key questions of the cause of the decline of animal populations is

1. Loss of Biodiversity. Biologically, it is natural that the population of a billion people living in its life, including multinationals will benefit the makers of it. Now we are totally know that the humans has become the main cause of loss of biodiversity

2. Housing Problem. As long as living beings also need food to maintain life. Accommodation is still necessary to maintain life activities as well.

3. Water Pollution. Emissions from industrial waste water into the sea without the critical awareness. throw the trash in the water. This is not only sea turtles and coral, but all the animals living also got affect from that.

4. Global warming and climate change. Refer to “Diversity loss” cause a reduction in the role of these ecosystems. Because of the important organisms have adapted themselves to maintain alive the climate in the higher range. Even though only long a slight adjustment, but if not, it could cause the extinction.

5. Toxic waste problem. The city is generating waste and toxic material and the number of people moving into the city. Waste and toxins will be more. The total area for litter and began full-rare. This has provided the waste and discharges into the sea.

If can resolve this problem by using art as a communication to residents and students. The locals understand and recognize the extinctions of sea turtles from the artworks. The audience can engage with the works of art in a friendly.

**Keywords:** Communication.

Ceramics Design.

Turtles Conservation Center.

**Background:** Studies of marine ecosystems area.

Turtles life system.

Studies the texture of the natural life.

**Problem Statment :** Decline of animals populations.

Locals sell turtle eggs problem.

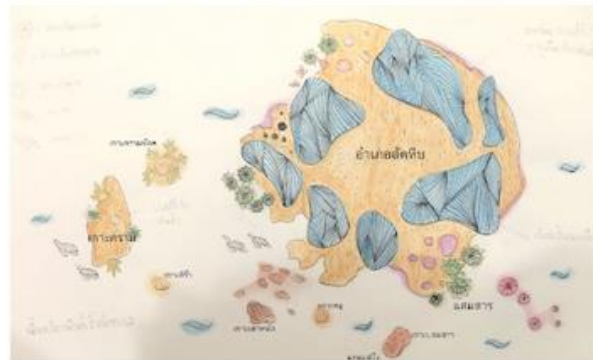
Locals have little knowledge to take care and develop.



Keys of the cause of the decline of animal populations.

#### Statement of Design:

1. Design works in ceramic sculpture. The concept of style is from Natural forms of marine life.
2. The experimental formulation of shiny gloss. This coating formulations based temperature 1230°C burn out in the atmosphere, oxidation.
3. Study the coral species that found in the Gulf of Thailand and analyze surface characteristics of the breed itself to create the new design.
4. To make the installation of three pieces of sea turtle conservation center.
5. Style setup works as both a floating and two-dimensional wall reliefs.
  - Work no. 1: Install a wall in front of a pond turtle. (Outdoor Wall)
  - Work no. 2: the installation area, in front of the pond turtle (Outdoor Wall)
  - Work at 3: Install the beachfront. (Floating outdoor)



Sketch design of 2 pieces of artworks.

## 6. Studies of sea turtles.

### Objective of study :

1. The study surveys the physical condition of the marine resources.

Define the coral reefs that are people most know and often to see it when travel in the present. To consider the preparation of the information. Family coral found in the Sea of Thailand and be designed in a sculptural.

2. To study the social psychology of travelers in the following manner.

2.1 study behavioral patterns of visitors. By studying those tourists that come in



any manner. Spent most of the activity. Reasons to come. As well as information on the Centre to recognize this.

2.2 Travelers attitudes towards natural marine environment by studying attitudes toward marine life including sea turtles, for example, in terms of the number and the type of beauty of underwater animals life.

3. To study and research design, creative design, sculpture, ceramics decoration to turtle conservation center.

4. To set decorations at Sea Turtle Conservation Center.

5. To study and selection of raw materials for the formulation of coatings in laboratories with high temperatures. In atmospheric oxidation. Using the theory of triangular table for a recipe ingredient.

6. Try to analyze and correct the defects that occur in coating formulations, coating and water-based coating formulations to best develop a mixed oxide paint then I'll **anayl**



### Hypothesis:

1. Visitors to the "conscience" of the endangered marine ecosystem, which is a cross between a creature that has a lot to maintain it.

1.1 The symbolic meaning through surface designs to have realized the extinction of ecosystems.

1.2 The symbolic meaning may be due to the way of life of sea turtles and corals.

1.3 There symbolic meaning through the surface pattern represents the fine art sculptures ceramics.

2. The results enrichment work while the work is Greenware is based on integrity as predicted.

3. pattern study design is appropriate, and be consistent with the story of the contribution and impact on the feelings of the audience.

4. The surface of the study of the surface of the coral reefs, and the design is appropriate, consistent with the story of the contribution and impact on the feelings of the audience as well.

### Methodology:

Research on the physical resources of the sea. The study was based on data from the Department of Marine and Coastal Department of marine and coastal resources.

For the research, other research studies conducted as follows.

1. Tools and methods. The research is detailed in the aspects of the objectives of the study was the different methods used together as a system.

**1.1** How to collect data from secondary sources (**Secondary data**) by studying the relevant documents and the persons involved in this research. Such as sea turtles, conservationists divers and tourists. Both academic and practical. This study is expected to be useful in determining the basic education, as defined sample. Scope of the question and used as a paradigm to explain. Consider or be considered under the phenomenon that occurs in research more clearly.

**1.2 Survey method** to collect quantitative data. The questionnaire will be prepared in accordance with the principles and create queries with the content they want to know from the research. And has revised appropriately be applied to the desired goal.

**1.3 Observation Technique** as a way to help students get more detailed information. Fill in the qualitative information may be obtained from the data directly. Due to limitations in the data collected from observation, it can be explained, adding extra data from the survey more clearly.

**1.4 Interview Technique** how to gather information from those activities. Sea Turtle Conservation Center administrator. In addition, the study also used the interview to tourists some insightful information about the behavior of visitors to this place.

## 2. Samples

### 2.1 Tourists

The sample used in this study were divided into two groups, a group of tourists in Thailand. And students who come to study at the Center for Sea Turtle Conservation.

## 3. Storage Field

The study will be conducted to collect information on their own at a turtles marine conservation Amphur Sattahip, Chonburi.

4. The result of the study was to develop a design for a sculpture at the center of environmental conservation of sea turtles, Sattahip, Sattahip Beach area vacation spot.

After get an information from research on the physical resources of the sea by many ways to research such as Survey method, Observation Technique, using a Secondary data and interview. I will analyze surface characteristics of the breed itself and all data to create the new design.



Texture of corals by ceramics.

The result of research and analyze surface characteristics of the breed itself

The first work to demonstrate the physical characteristics of the islands and Amphur Sattahip. Amphur Sattahip is large area so that the audience could see the wide angle of Sattahip. Understand the background The position of the island as a whole by ceramic artwork.

make form by slap clay and put a bone's clay to make sure it strong enough to carry on when hanging on the wall.



The second piece to the audience showed plenty of water. Shows a coral reef. Animals underwater! A portfolio demonstrating positive. To communicate how's the great beauty of the South Seas. Also make form by slap clay and put a bone's clay to make sure it strong enough to carry on when hanging on the wall.



The three pieces communicate about the loss. The decline was caused by the actions of human beings through the concept of creating an egg shape is communication. The turtle eggs were intended as symbols of origin. The turtle's egg complete shape and some of them are cracks to represent the natural resources diminish, if we treat nature like this. The future resources of the seabed is not fair to us anymore. Make form of ceramic by hand build to make the artworks look fully like the real eggs and corals.





Firing in temperature 800°c for first step (Biscuit firing) to turn the clay to primary ceramics then decorating by chemicals elements .Then fire in the secondary step is glaze firing to make the biscuit clay turn to be ceramic in temperature 1230°c.



Firing klin

**summary and conclusion:**

Design result: The design has responded to the location as well. You can communicate with the audience in understanding the decline of marine resources. And provide information about Sattahip field trip for students. they are also has knowledge about sea turtles and coral, too. In addition, the design also adds beauty to the area of the conservation center.

Research result: The main conclusion of the decline of marine life is human action. If we want to help develop and sustain natural resources to remain longer. It should start with ourselves and those around us. All living organisms are invaluable. We all rely on each other for the beauty of the world.

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