

# Sling Bag Craft Design with Smock Technique

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## Abstract

The development of the sling bag craft industry using the smock technique is a creative activity for students in North Sumatra, Indonesia. This creative activity aims to increase knowledge and skills in the field of craft arts. So that students can create Indonesian products that are creative, innovative and have good functional value for human life. The methodology applied to this creative activity uses an exploratory qualitative method. The stages of making a sling bag craft are as follows; 1) study of craft art theory, 2) creation concept, 3) shape sketch, 4) sling bag design in Corel Draw, 5) making sling bags from materials, 6) product presentation. It is hoped that the knowledge and skills obtained will become business opportunities, preserve community culture, and improve the community's economy.

**Keywords:** Design, sling bag, smock.

## Introduction

[1] According to Arsyad (2001) Industrial development is an effort made to improve the welfare of more advanced human life and increase the quality of life. Industry is inseparable from efforts to build the productivity of human labor and simultaneously with efforts to develop human activities that produce quality products for human life.

Development is an activity carried out to improve current and future work, by providing information, improving a person's perspective or skills in a particular organization or business. Development is an effort to improve the implementation of current and future work, through providing information, regulation, direction and guidance in improving business.

[2] Based on Republic Law no. 20 of 2008 article 1 concerning home industry, home industry is a productive business owned by an individual that meets the criteria for micro business as regulated in this law.

Haymans (2007: 17) Home industry is an economic activity based at home, which is managed by family members themselves with a small scale work structure. Where home industry is an economic activity of the people that is not yet a legal entity and is traditional in nature.

The characteristics of home industry are as follows: a) home industry uses semi-finished goods into a product with extractive function value; b) generally the workforce numbers between 1-20 people. The number of workers is very limited according to the complexity of the organization. So if the number of workers increases, large amounts of funding will be needed. C) home industry does not depend on certain conditions, for example the market, raw materials and labor, because the need for labor is on a small scale. The industry has simple management, uses traditional technology and does not require skilled workers to make the character of this industry independent of location requirements. This means that the location of small industries and households is flexible. D) home industry generally uses semi-

finished goods to become products. Small industries are influenced by the level of ease in management structures compared to large industries whose management structures are more complex. E) home industry in the light industry category. The resulting product is quite simple, does not require high technology and does not require a complicated process. F) In general, home industries are led directly by small industry owners with an independent capital system, without having capital or assets to obtain loans from banks. G) home industry is privately owned with a simple management system.

3] Bags are containers or packaging containers that come in various shapes, such as square boxes, circular or round shapes, and so on. Bags have straps and use zippers to store, store or carry other objects. Sling bags and tote bags are one type of bag that many women like.

A sling bag is worn by slinging it directly behind the shoulder, which functions as a container in the form of a small version. Sling bags are generally used by women who like to take leisure walks, shop, or who like cycling because cyclists or casual walkers can move freely without having to worry about their belongings falling.

[4] Sling bags are given an aesthetic value by applying smock to the surface of the bag. Smock is hand needle embroidery that displays wrinkles on the surface of the fabric symmetrically or asymmetrically, thereby creating new and varied creative products. Furthermore, smock is divided into three types, namely Dutch smock, Japanese smock and English smock. Smock generally takes the form of bubbles or concavities which are often applied to tablecloths, pillowcases on guest chairs, sandals, shoes, and so on. The development of the sling bag craft industry using the smock technique is a student creative activity carried out at the Fashion Design Education Study Program, Medan State University. This activity produces creative and valuable artistic and cultural products from North Sumatra. So that the younger generation acquires knowledge and skills in the home craft industry. This creative activity can equip the younger generation to be able to develop and preserve regional culture which has almost been lost due to the times. So this activity provides new inspiration for the community to always maintain historical heritage. In this way, the icons of a country and the characteristics of each region are still well preserved. The development of the Sling Bag Craft Industry Using the Smock Technique is a student creativity activity within the Fashion Design Education Study Program at Medan State University. This creative activity was carried out in a structured and systematic manner, starting from concept design to producing a sling bag craft. This creative activity is expected to gain knowledge and skills in the field of art and design. The development of sling bag crafts produces creative and innovative products. So it is hoped that the craft products produced by the younger generation can preserve and develop regional cultural products which are almost extinct due to developments in the modern era. Therefore, creative activities are carried out by exploration through a practical learning process in the design laboratory.

## 2. Methodology

The methodology applied to the development of sling bag crafts using the smock technique uses the qualitative explosive method. This method is a technique or process of producing new designs that have never been created by someone, but are produced through critical thinking to gain new inspiration. The result of this method is a sling bag craft using the smock technique with the following work stages:

### 1. Present the theory of craft arts.

The presentation of craft art theory is carried out face to face with material about craft art, especially the definition of motif art, types of craft art, craft processes and techniques, craft art materials, and the

application of craft art to sling bags. These materials are packaged in the form of Microsoft Office Power Point accompanied by pictures related to craft arts.

## **2. Design a craft concept map.**

Concept map design is carried out at the beginning of the activity before the product is created, where the concept map is the background for the creation of the main points of the idea of creation which are explained through short and systematic writing or descriptions. Concept maps are made in a structured and systematic manner starting from the background of creation, ideas, shape sketches, materials, techniques and manufacturing processes, finishing, and markets.

## **3. Sketch the shape.**

Sketching shapes made manually with the creativity of the creator's hands using a 2B pencil and drawing paper. The shape sketches are made as follows: first, smock pattern, sling bag pattern, and sling bag product with smock application. Sketches of patterns and sling bags are made in two-dimensional and three-dimensional form by applying design principles and elements of art.

## **4. Make a sling bag design.**

The sling bag design was made using Corel Draw media by applying 2 colors, namely black and gray. The sling bag craft was designed using Corel Draw, so that the resulting images are more creative, the results can be maximal, effective and efficient in the image design process. So the sling bag design looks elegant, ethnic, and has functional value for human life.

## **5. The process of making a sling bag uses materials.**

Sling bags are made using canvas, batik, and Spunbond/puring fabric. The materials are processed into sling bags using a combination of sewing techniques, namely manual sewing techniques and machine sewing techniques. The combination sewing technique is carried out in a measured and systematic manner according to a previously designed drawing pattern.

## **6. Presentation of sling bag crafts.**

The sling bag product presentation is presented in a systematic, structured, clear and concise manner regarding the background of creation, theoretical studies, materials, techniques and processes, product finishing and markets. The product presentation was carried out using PPT (Microsoft Office Powerpoint) media, image media in JPG form, and video recording, so that the process of making sling bag crafts was clearly visible from the initial stage to the final stage of the sling bag craft creative activity. Presentations are carried out offline, namely face to face in class. Then the creator can demonstrate the function of the sling bag directly in front of the class. So that the sling bag can be displayed or exhibited to participants or other consumers. After demonstrating the sling bag craft, the creator conveyed conclusions and suggestions briefly and clearly towards the end of the presentation. These are the activities carried out by the creator in presenting the sling bag craft clearly, concisely and systematically based on the creation of a scientific work.

The next stage is making a sling bag design using the smock technique in Corel Draw media, as follows:

### **1. Drawing Paper**

Drawing paper 15 X 25 cm by clicking file; new; The Create a New Document screen appears; fill in the sling bag design name table; see primary color mode by clicking CMYK; width 25 cm; height 15cm; resolution 300 dpi; and click ok. Then plain white drawing paper appears in the size the creator wants.

### **2. The rhombus motif design is applied with smock.**

The first step, click the pen tool to create a rectangle measuring 15 X 16 cm; then click the pen tool on the edge of the rectangle to create a guide line in the form of a 2 x 2 cm box to form a diagonal line facing the left and a diagonal line facing the right; select black in the default palette and right mouse click; then form a black diagonal line. Help lines in the form of 2 X 2 cm boxes are placed on page 1 with black lines.

The second step, click the ellipse tool and place an ellipse shape at each intersection of the two types of diagonal line shapes; click gray in the default palette and click on the left to fill the color of the ellipse shape which is colored gray; and click the right mouse to color the outline of the ellipse shape. Thus, the ellipse shape is repeated until it meets the diagonal line measuring 15 x 16 cm.

### **3. Design a sling bag using the smock technique.**

The sling bag design is carried out in several stages, as follows;

1. display a sketch of a sling bag on page 3;
2. outline the shape of the sling bag using the pen tool which follows the shape of the sketch of the sling bag;
3. click the shape tool to form the outline of the sling bag shape, such as forming ornaments and forming smocks;
4. click the right mouse and select gray in the default palette to color the outline of the sling bag;
5. click the pick tool along the entire edge of the sling bag by simultaneously pressing shift to press Group Objects. So that the entire outline of the sling bag shape becomes one unit in the pick tool;
6. then create page 4 by clicking the (+) sign at the bottom of the drawing paper screen;
7. click the pick tool for the outline of the sling bag on page 3 and click the left mouse and select black to give black color to the contents of the sling bag shape. That's the process of making a sling bag design using the smock technique in Corel Draw.

After making a sling bag design in Corel Draw, the next step is to make a sling bag using fabric materials, as follows:

#### **1) Tools and materials**

Before making a sling bag, the creator first prepares the tools and materials needed in the product making process. The tools needed to support the manufacture of sling bags, namely: sewing machine, scissors, hand sewing needle, pins, pins, iron, tape measure, ruler, pen/pencil, eraser, rader, and sewing carbon. Then the materials needed to make a sling bag are: plain black canvas cloth, batik cloth, spunbond/puring cloth, viselin, zipper, black thread and gray thread.

#### **2) Pattern**

The pattern making process follows the following steps:

- a) Making a sling bag pattern with a length of 20 cm and a width of 10 cm. The pattern will have pleats of 2.5 cm so the size of the original pattern is multiplied by 2.5 cm ( $20 \text{ cm} \times 2.5 \text{ cm} = 50$ ) then add seams of 1.5 cm each;
- b) Before the pattern is broken down into predetermined parts, first cut the croton cloth with the pattern still intact;



- c) After that, break the pattern into predetermined parts. Then spread the canvas and batik cloth and place the pattern on each specified part of the cloth.
- d) Cut each piece of cloth, then spread out the viseline then place the cloth that has been cut according to the pattern on top of the viseline, then cut out each part.
- e) Turn on the iron, then iron each cloth together with viselin (remove the pattern first and then iron it).
- f) After ironing, place the pattern back then mark the pattern on the fabric using a sewing pattern and carbon
- g) Next, join the zipper with the two upper middle parts of the fabric.



- h) Form 2.5 cm pleats 6 times on the canvas fabric, then sew the edges with a sparse stitch so that they don't shift when you want to decorate the thread.
- i) Make decorations by joining the pleats together, then sewing them using a needle
- j) Hand with gray thread (stitched using a repetitive system).



- k) Then put each long piece of fabric together, then sew it.





- l) Before joining each side, first cut the batik cloth measuring 25 cm long and 6 cm wide to make it into a rope, then sew it (size includes seam).
- m) After that, put each side together and pin the rope on one side near the res, then sew.
- n) Next, mark the croton fabric pattern that has been cut using a rader and carbon.
- o) Then put all the croton parts together, then sew them.
- p) After that, put the croton together with the pouch, then sew it. Thus, making a sling bag is made with creative hand skills.



### 3. Results and Discussion



**Figure 1. Sling Bag Shape Design**



**Figure 2. Sling Bag Products**

Figure 1 is a sling bag design designed in Corel Draw. The sling bag shape design was made measuring 14 X 24.2 cm on a 15 X 25 cm drawing paper screen. The color applied to the ornament is 10% black and the background of the object is 100% black, so the combination of the two colors looks harmonious and elegant. An illustration of the smock technique is seen in the shape of a rhombus with diagonal lines as a symbol of wrinkles. The ellipse shape is a symbol of tying the thread with a basting stitch using a drawstring technique to create a wrinkled effect. The sling bag design uses two colors, namely white to gray and black. So the sling bag design above looks elegant, unique and has artistic value. This is because the surface design of the product above combines the smock shape with various batik decorations. Thus, the shape design was created on the Corel Draw screen media creatively.

Figure 2 is a sling bag product design made using plain black canvas and batik fabric with polyester fiber. Batik cloth consists of several decorations, namely T-shaped decorations, equilateral triangle shapes, vertical lines, zigzag lines and rhombus shapes. All of the decorations above are applied or printed on the surface of a plain white cloth, then colored black on the background of the cloth. The process and technique of making motifs is often called batik printing. The batik printing above is applied to the back, right side, left side and bottom of the sling bag. A black zipper is applied to the top of the sling bag measuring 12 X 2 cm. So that the back fabric pattern and left side pattern, front fabric pattern and right side pattern are combined well using machine sewing techniques. So sling bag products are designed and realized in accordance with the elements of art and design principles. So the sling bag design produces a creative product that has functional and artistic value for human life.

### **Visual Aesthetic Value Approach**

The visual aesthetic value of sling bags which apply elements of art and design principles in creating craft industrial products can be seen from the elements of balance, rhythm and elements of unity as follows:

The principle of balance is applied to adult women's sling bags. This can be seen from the variety of batik decorations consisting of several decorations, namely the letter T shape, equilateral triangle shape, vertical lines, zig zag lines, straight lines and rhombus shapes. The decorations are arranged using a system of regular repetition of shapes, measured by the shape and distance between the decorations and the other decorations. So that there is no empty space visible on the front which is filled with rhombus-shaped smock motifs, then the back of the sling bag is filled with printed batik motifs, so the right and left sides of the sling bag are also filled with printed batik motifs, then the top and bottom are visible. The sling bag is also filled with batik motifs. The color placement looks balanced and even on the surface of the fabric, namely black as the background color of the fabric and white as the motif color. Thus, the principle of balance is applied to the placement of balanced decorations and colors on the surface of the sling bag material.

The principle of rhythm applied to the sling bag can be seen from the repetition of ornamental shapes and repetition of colors. First, repeat the same shape in the smock motif with a rhombus-shaped pattern. The smock shape is placed on the front of the sling bag. Second, repeating the shape of the letter T ornament which is arranged facing each other to form a stylized wave line on the part of the batik motif. Third, there is a repetition of the zig zag line shape, this is on the right side and left side of the zipper as well as the left side, right side and bottom of the sling bag. Fourth, the repetition of the rhombus shape applied to the top of the zipper as well as the left side, right side and bottom of the sling bag in the batik motif. Fifth, repeat the straight line shape applied to the top of the zipper as well as the left side, right side and bottom of the sling bag in the batik motif. Sixth, repetition of the equilateral triangle shape applied to the top of the zipper as well as the left side, right side and bottom of the sling bag in the batik motif. Seventh, repetition of black and white to gray colors applied to the basic color of the cloth and batik motif. All forms of decoration are composed systematically, measured and structured. That is the principle of rhythm applied to the sling bag craft.

The principle of unity is applied to sling bag crafts, this can be seen from the diversity of motif shapes, the diversity of techniques applied in forming motifs, and the diversity of colors in sling bag products. First, the diversity of shapes in batik motifs applied to sling bags is as follows: the stylized shape of the letter T, straight line shapes, zig zag lines, rhombuses, and equilateral triangle shapes. The various decorative forms above are composed into one unit in a beautiful batik motif design. Second, the

diversity of techniques in producing beautiful motif designs with different textures, namely applying the batik printing technique to produce a fletted texture in two-dimensional form and the smock technique produces a bear texture that is three-dimensional. Third, the diversity of sling bag product colors is applied in the form of black on the fabric base and white to gray applied to the batik motif. All this diversity produces sling bag products that are unique, ethnic and have artistic value, and have good functional value in developing sling bag products today. So that the diversity of different types, shapes and colors can produce a complete and valuable artistic and cultural unity that is aesthetic and has a function for the lives of diverse communities throughout the world.

## Conclusion

The development of the sling bag craft industry using the smock technique is a creative activity for students in the Medan city community. Creative activities are carried out aimed at increasing the knowledge and skills of the younger generation in the field of art and design. Then it can be aimed at increasing the productivity of sling bag crafts that follow current styles. The methodology applied to the development of the sling bag craft industry using the smock technique is the qualitative explosive method. This method is obtained from the results of critical thinking to produce new inspiration, so that new designs are formed. Several stages are taken to create a sling bag craft, as follows: 1) explain the theory of craft art completely; 2) design a concept map; 3) sketch the shape manually; 4) create a sling bag design using Corel Draw; 5) making sling bags using canvas and batik; 6) sling bag craft presentation.

The next stages are the steps for making a smock design on a sling bag using Corel Draw, as follows: 1) make 15 X 25 cm drawing paper on the Corel Draw screen; 2) make a smock design in a rhombus shape with 2X2 cm diagonal lines; 3) design an ellipse shape that binds the diagonal line to the right and the diagonal line to the left; 4) make and apply batik motifs to sling bags.

Then the sling bag is made using cloth materials, as follows: 1) prepare sewing equipment and several types of cloth materials, namely calico cloth, batik cloth, and spunbond/croton cloth; 2) make a sling bag pattern on plain white paper; 3) tracing pattern paper onto the surface of batik cloth, calico cloth, and spunbond/croton cloth according to their respective patterns based on the design of the sling bag shape; 3) attaching viselin to the calico fabric pattern and batik fabric pattern by ironing; 4) installation of the zipper through a machine sewing process by joining the zipper at the two top centers of the fabric; 5) make 6 pleats on the black canvas; 6) join the pleats together using a hand needle and gray thread repeatedly. Then put each long piece of fabric together, sew; 7) attach black beaded string to the top right and top left adjacent to both ends of the zipper; 8) then put all the crotons together and sew; and 9) the final step is to combine the croton with the pouch and sew it. That's the process of making a sling bag craft with creative hand skills.

The aesthetics applied to sling bag crafts can be seen in the fabric surface design and structural design, such as batik fabric and smock fabric. Firstly, the aesthetics of batik cloth can be seen in the decorative rhombuses, zig zag lines, straight lines, equilateral triangle shapes, and the stylization of the letter T which are composed based on art elements and design principles. The two aesthetics of batik cloth are also applied to the color composition, namely black and white and gray. So the surface of the batik cloth looks elegant and dynamic on the craft product. And the third Smock aesthetic that is applied to plain black cloth is found in the wrinkles or joining of the cloth which is tied together by hand stitching in a measured and systematic manner based on a pattern that has been conceptualized in advance by the



creator. So that the result of wrinkling or joining one point of the fabric pattern with two points of the fabric pattern produces a wavy or three-dimensional pattern on the plain black fabric. In this way, these two motifs, namely the batik motif and the smock pattern, produce craft products that are of high quality, have artistic value and have functional value for human life.

Thanks to the knowledge and skills acquired, students are expected to be able to work in the future by opening new job opportunities in the form of craft home industries. So that the younger generation can continue to preserve Indonesian culture which has almost been lost due to technological developments and current developments. In this way, people's welfare in the creative economy continues to increase and the unemployment rate continues to decrease, thanks to the opening of new job opportunities.

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