

# Creativity of Students in Creating OrnamentsAccessories Hair with Waste Material

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# CREATIVITY OF STUDENTS IN CREATING ORNAMENTS / ACCESSORIES HAIR WITH WASTE MATERIAL

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**Abstract**— This research aims to develop the work and new products, innovative creative, and gives a new understanding that the waste can be maximized made products that have aesthetic value, conservation and economics. This research is descriptive and sample in this research is student class of 2012 beauty procedures that have been through the course of hair piece so-called population research. Data collection technique used to test the performance appraisal form by using a Likert scale. Test the validity of the instrument using the product moment with valid results. While the use of inter-rater reliability test with a reliable level of 0.838. Analysis techniques using descriptive statistics with percentages.

The results showed that (1) Design and product accessories / decoration bun and brooches overall prioritize aesthetic aspects and also aspects of conservation included in both categories (83%) 2) the level of creativity of the students are in the creative category (93%), while 3) engineering manufacture in realizing the idea and create works relatively well (77%) as well as in 4) tidiness and completion included in the category fairly good (77%), this is possible because the less scrupulous and careful, especially in the sweepings and the direction of the hair fiber. Product is expected to encourage the creativity of the students to constantly develop and improve ideas, in addition to making the environment more healthy if managed properly can become small and medium enterprises are progressive even waste utilization process capable of creating jobs. (**Abstract**)

**Keywords**— hair waste, student creativity, decoration / accessory

## Introduction

Waste is waste resulting from a production process both industrial and domestic (household, better known as trash), whose presence at a particular time and place unwanted environment because they do not have economic value (Erika, 2014: 5). There are several types of waste that can be used directly or carried by a particular process.

Proper utilization of waste in addition to making a healthier environment can also help the economy get better. Garbage collection process that still has value for reusable called recycle. Utilization of waste, especially through recycling method implemented in many

household scale. If managed properly can become small and medium enterprises and even the progressive utilization of the waste able to create jobs as well.

Similarly, hair waste, which is waste or scraps of hair salons, which is usually after the cutting process thrown away. Human hair pieces obtained from the salon is still largely a waste that has not fully exploited its use. But according to some research results of hair waste can be used as a catalyst or a heat shock. In addition waste or residual haircut is usually used as raw material for making the bun, but in this study, waste or residual researchers haircut will be used as an accessory / decoration bun or as a brooch complementary fashion.

Based on these conditions, the problem that arises is: how student creativity in creating ornaments / accessories with waste materials hair?

## 1. Concept Creativity, Accessory and hair Waste

Creativity is a skill that is based on the intellectual abilities such as intelligence, aptitude, skills learning outcomes which are also supported by a factor of affective and psychomotor. In addition to being someone who still need a productive creative potential that comes from personality characteristics and a conducive environment. Through the creation of a conducive learning atmosphere learners will be able to develop the activity and creativity of an optimal learning according to his ability. This is also confirmed by Utami Munandar (2004: 12), that creativity is the result of the interaction between the individual and his environment. Someone affect and are affected by the environment where it is located, thus the change in the individual and in the environment can support or can hinder creative effort. The implication is that creative ability can be improved through education. In line with this concept of creativity is based on the basic functions of thinking, feeling, sensing copyright talen, and intuition (Conny R. Semirwan, 2002: 60).

According to George Land, creativity is a skill that can be developed and a process that can be managed. Learning to be creative like doing sports. It requires

training to develop correct muscle and engaging environment to develop it (Linda Naiman, p.3). This means that creativity can be developed through intensive exercises, because the creativity is one person's intellectual ability or thinking. Creative thinking exercises can be done through general knowledge or specific knowledge. Various ways, techniques or strategies that can be used to improve the ability to think creatively.

Increase creativity is also done on the student system in an effort to create ornate beauty / hair accessories from waste materials. Accessories are items that serve as a complement and sweeteners fashion. Objects that add beauty to the wearer, such as hair bands, combs, headbands, hairpins ornamental, tie clip, cufflink (manchet), earrings, necklaces and pendants, bracelets, anklets, watches, glasses, rings, brooches, crown (KBBI).

In use the accessories need to be selected and tailored to apparel / clothing worn, time and chance upon use. It also needs to be adapted to the body shape, face shape and color of clothing. (Arifah A. Riyanto, & Liunir Zubahri, 2009).

Based on the types and kinds of accessories that can be used, the accessory chosen in the study only decoration bun and brooches, it is based on the basic ingredients of hair waste obtained so chosen form of rather large.

While waste is discarded objects, either from nature or from the results of the technological process. Waste can be a pile of junk, the rest of the manure, crops, or vegetables (Erika J, 2014: 5). Based on the level of danger posed by the waste poisoning depends on the type and character. Waste has characteristics: a) micro-sized, b) dynamic, c) broad impact (the spread), d) Long-term impact (between generations). According to the type of waste is classified based on the source:

1. Organic Waste perishable. Example: leftover vegetables, food scraps, leaves, grass clippings and manure
2. Organic Waste that is not perishable. Example, paper and wood
3. Anorganic Waste. Example: plastic, glass, rubber, glass, bottles, and iron.
4. Hazardous Waste. Example, nails, a used fluorescent lamps, residual poison rats or insects, expired drugs and rock used batteries.

By its nature, the waste can be divided into two groups:

- Waste can change naturally (degradable waste = readily biodegradable). Ie waste that can be decomposed by bacteria and fungi, such as leaves, food waste, dirt, and others.
- Waste that will not / very slow changes naturally (nondegradable waste = not biodegradable). For example, plastic, glass, cans, and trash like.

Based on the definition, nature and characteristics of the waste, the hair waste is included in the organic wastes that are not easily decomposed, solid waste and waste that do not belong to the will / very slow changes naturally (nondegradable waste = not biodegradable).

For the treatment of hair waste is recycled done. Recycling is a process to make a scrap materials into new materials with the aim of preventing the waste that can actually be something useful, reducing the use of raw materials are new, reduce energy use, reduce pollution, land degradation, and greenhouse gas emissions when compared with the process of making new stuff.

Process Recycling is one strategy of solid waste management which consists of the activities of sorting, collecting, processing, distribution and manufacture of products / materials used, and the main component in the management of modern waste and the third part in the process hierarchy garbage 4R (Reduce, Reuse, Recycle, and Replace).

In utilizing the residual waste which is the result of hair haircut in the salon recycling process to be performed is the reuse of the same material into different products through a certain process becomes decoration / accessory hairpin and brooch. So, recycling is the reuse of material into different products.

### III. Waste creativity Creation Hair Accessories

#### A. Stages Student Creativity

Wallace explained at the beginning of the process of creativity is ranked collect and assemble the data and materials necessary for the completion of the problems or something creative thinking. At this rank is also an individual that needs to be sensitive to the problems or issues to be tried solved. The creative process includes four phases:

1. Preparation, preparing to solve the problem by collecting data / information, studying the pattern of thinking of others, ask others.
2. Stage Incubation, at this stage of information gathering is stopped, individual escape for a while the issue. He did not think about them consciously, but "precipitate 'in pre-conscious nature.
3. Stage Illumination, this stage is the stage of the emergence of "insight" or "Aha Erlebnis", when the onset of inspiration or new ideas.
4. Verification Phase, this stage is the stage of testing new ideas or creations of reality. Here the necessary critical thinking and convergent. The process of divergence (creative thinking) must follow the convergence process (critical thinking) (Wallace)

Stages in the creative process is also done by the students in creating trimmings / accessories and hair brooch of materials, phases increase the creativity of students as follows:

#### 1. Preparation:

- In this phase the students are given the theory of utilization of waste hair thoroughly and given examples of how to manufacture, examples of real objects, pictures or photographs. The next stage students are required to demonstrate ideas, ideas and creativity to make the design decoration / accessories chignon or bun brooch by type and arrangement

#### 2. Implementation:

- At this stage the student must embody ideas, ideas and creativity to make ornaments / accessories bun or chignon brooch according to the type and arrangement and with regard to the manufacturing procedure.

### 3. Completion

- Stage of completion in the manufacture of trimmings / accessories hairpin or brooch is the final step necessary with the addition of ornaments or decorations that results in accordance with a design that has been made.

### 4. Evaluation

- An assessment of the results of the manufacturing stage decoration / accessories bun or hair brooch from waste materials comprising: a) Design, judging from the shape created; b) creativity, according to the type of bun and arrangement; c) making techniques, based on processing procedures; d) completion / tidiness, the final result as a whole

### B. The process of making the hair Waste Accessories

Hair waste obtained from the waste results from a beauty salon haircuts and grouped on the results of the long and the short haircut. Based on the results of short length haircut that will determine the shape or size of the accessories will be created.

Equipment and Materials Manufacturing Waste Hair Accessories :

- a. Haircuts
- b. Comb
- c. Glue
- d. Aluminum foil
- e. Rubber binder
- f. Pot and stove
- g. Towel
- h. Hair dryer
- i. Hairspray (black, neutral)
- j. Duck flops, flip stick, smooth hairpin
- k. Beads, feathers, pin or other appropriate complementary design

Hair Waste treatment stages:

#### 1. Separation and binding

Classified by length of the short hair for ease in processing due to the irregular form of the hair, then tied up and combed for men get regular results.

Figure. 1. Separation and grouping Hair Waste



#### 2. Removal of dirt

Hair Waste boiled to remove impurities contained in hair oils that are likely to exist and soften hair follicles

obtained considering the waste consists of various types of hair is oily hair, dry both straight and curly. In addition, to reduce the odor that exist.

#### 3. Drying and combing

Once boiled over towel -dried hair for weeks to facilitate drying while combed towels seep water to tidy haircut and facilitate the next process.

#### 4. Neatness

Prepare for footwear manufacture aluminum foil then trim haircut with sweeping then ironed. That hair is easily formed then after ironed smeared with glue to get a form of hair neat and rigid. Dry quickly so that the glue can be aided with a hair dryer, then fold the edge of the aluminum foil weeks to try curling hair and allow some time to get the hair straight and stiff. Hair width adapted to the design to be created.

#### 5. Preparation of appropriate design

Results tidiness of aluminum foil if it is dry can start to be made according to the desired design. When hair is plaited select the width of the small but if necessary set up should be cut according to the desired design.

#### 6. Finishing

In order to maximize results and create a durable, which means the hair fibers are not easily separated as well as get a neat shape then spray hairspray black or neutral color and decoration give the sweetener according to the function as a garnish bun or brooches. If it is necessary to broach pinned with safety pins and if used for decoration bun it needs to be mounted on a comb hair comb or barrette given.

### IV. Results of Student Creativity

Data collection technique used performance tests were carried out starting from the assessment

- a. Preparation namely: Preparation of Design, which is based on the selected source of ideas for making ornaments / accessories hairpin or brooch
- b. A process which embodies the creativity / source of ideas that should be in accordance with the type of bun and arrangement
- c. Preparation technique that looks at the sweep / direction of the hair fiber, the process in accordance with the procedures, adhesion
- d. Completion / final results, consisting of neatness, completion of appropriate design

Analysis techniques using descriptive statistics with percentages show that:

- a. Design and product accessories / decoration brooches overall bun and prioritize aesthetic aspects and also aspects of conservation included in both categories (83%), it is evident from the designs are made according to the type and the type of bun planned;
- b. The level of creativity of the students are in the creative category (93%), it is shown in the form of ornaments and the use of complementary beautify bun ornaments and brooches
- c. Making techniques in realizing the idea and create works relatively well (77%), is seen in the sweep, the

direction of fibers, adhesion and loading according to the procedure.

d. Tidiness and completion included in the category fairly good (77%).

#### V. Conclusion

Overall creativity of the students showed good results it is seen from the variation of the design are realized in the accessories / decoration bun and brooches.

Figure 2. Results of Student Creativity



#### REFERENCES

- [1] Arifah A. Riyanto, & Liunir Zulbahri, 2009. *Fashion Module*. Education Study Program Clothing Family Welfare Department Of Education Faculty Of Technology And Vocational Education Indonesian Education University
- [2] Conny Semiawan R., et al, 2002. *Creative dimension in the Philosophy of Science*. Bandung: PT. Teens Rosdakarya
- [3] Erika J, 2014. *Waste Management To Welfare*. Surakarta: Publisher Aryhaeko Synergy Library.
- [4] Linda Naiman, *What Is Creativity*. 2009 (<http://www.creativityatwork.com/articlesContent/whatis.htm>).
- [5] Utami Munandar, 2004. *Creativity Development of Gifted Children*. Jakarta: Rineka Reserved.
- [6] Wallace, 1999. *The Art of Thought*. New York: McGraw Hill Book Company.

Table : Results of Creativity students in making accessories / ornaments hair waste

No	Name	Desain	Kreativity	techniq	tidiness	Score	%
1	Evi Nor	3	4	2	3	12	75%
2	Eris Ambarsari	3	4	2	3	12	75%
3	Ani Maghfiroh	3	4	3	4	14	88%
4	Novi Adriyana	4	4	4	3	15	94%
5	Richkinanda	4	4	2	3	13	81%
6	Nunik	4	4	3	4	15	94%
7	Isnaini Riyadi	4	4	4	3	15	94%
8	Nurul Hakiki	3	3	3	3	12	75%
9	Kiki Mujiati	3	4	3	3	13	81%
10	Erma	4	4	2	3	13	81%
11	Wieke Dewi	4	4	4	3	15	94%
12	Paramita Tiga	4	4	3	3	14	88%
13	Difa Nabila	3	3	4	4	14	88%
14	Siti Sukesi	3	4	4	3	14	88%
15	Khoirunisa	3	3	3	3	12	75%
16	Venty	4	4	2	3	13	81%
17	Dewi Irfaul	3	4	4	4	15	94%
18	Istiqomah	4	4	2	3	13	81%
19	Dyah Ayu	4	4	4	3	15	94%
20	Puput	3	4	4	4	15	94%
21	Nur Fitri	3	3	3	3	12	75%
22	Uswah Azizah	3	3	3	3	12	75%
23	Rizqi Aghnia	2	3	3	3	11	68%
24	Hening Jiwanti	4	4	2	2	12	75%
25	Siti Nurlaekah	4	4	4	3	15	94%
26	Indah Luky	3	4	3	3	13	81%
27	K.Larasati	2	3	3	3	11	68%
28	Nilkhla	3	4	2	2	11	68%
29	Sofia Asyifa	3	3	4	3	13	81%
30	Rima Shofyani	3	3	3	3	12	75%
31	Ayu Umi	3	4	3	3	13	81%
		103	115	95	96	416	

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