

UTILIZATION OF PATCHWORK WASTE AS AN ALTERNATIVE BUSINESS OPPORTUNITY IN RW 20, JEBRES VILLAGE

Hesty Eko Setyowati¹, Dini Ely Elvina¹, Affany Arsyah Karima¹, Nisa'ul Mahfudziyah¹, Angger Bagus Wicaksono¹, Riska Nur Asifa¹, Zeni Rahmawati¹, Arsita Safitri¹, Alfain Azhary¹, Muhammad Rama Farma¹

¹ UIN Sunan Kalijaga, Yogyakarta
*kknjebres111@gmail.com

Abstract - Environmental problems that still often occur due to plastic and fabric waste that are difficult to decompose cause environmental pollution because they are left alone. One of them is in RW 20, where the majority of the population has their own sewing business, so there is a lot of patchwork waste that is not being utilized anymore, as a result, the patchwork waste is just allowed to pile up. Seeing this situation, the program carried out by KKN students through training on the use of patchwork waste as an alternative business opportunity is expected to provide an overview of ideas to the community so that they can develop ideas for the use of patchwork waste as a valuable product again. Apart from that, it is also hoped that it can be used as an idea for a business so that it can improve the economy of the community itself.

Keywords: Patchwork Waste, Training, Utilization

1. INTRODUCTION

Inorganic waste is one of the environmental problems that cannot be denied, such as plastic and cloth. This is because inorganic waste is difficult to decompose and requires a very long time. Reporting from the United States Environmental Protection Agency (US EPA) that 5% of the world's land is covered by textile waste which cannot be broken down and recycled with an increase of 3% to 5% annually (Ardiyanti, et al., 2021). These data indicate that the processing of inorganic waste is less than optimal. In general, processing of inorganic waste is carried out by burning, but this method can be harmful to the environment because it causes smoke and toxic gases (Pratiwi, 2020).

Patchwork is an example of inorganic waste which is difficult to decompose even though the intensity is quite high (Setiyani, et al., 2021). This patchwork waste is widely found due to the large number of convection industries that have started to emerge recently, both on a small and large scale (Austin, et al., 2021). To support the government's program, namely the 3R program (Reuse, Reduce, Recycle) is to utilize and process patchwork waste into handicrafts that are useful and have sale value (Munir, et al., 2021). However, in reality there are still very few people who are aware of this. So far, patchwork waste has not been utilized and has just been allowed to pile up. This also happened in RW 20, Jebres Village.

Residents in RW 20 Kelurahan Jebres are the majority of the population consisting of traders and tailors. This opportunity can be utilized by the local community as an alternative to patchwork waste business opportunities. This patchwork waste business opportunity can have an important role for the economy for the community in RW 20. In this case, KKN 111 Group 251 UIN Sunan Kalijaga held a workshop on the utilization of patchwork waste into key chain handicrafts that have a sale value where the purpose of this work program is to provide product innovation based on patchwork waste and marketing of these products.

2. METHOD

A. Planning

The workshop activity on the utilization of patchwork waste into key chain handicrafts that have a sale value is one of the superior programs planned by the KKN UIN Sunan Kalijaga Group 251 team. . This opportunity can be utilized by the local community as an alternative to patchwork waste business opportunities. This patchwork waste business opportunity can have an important role for the economy of the RW 20 community. The purpose of our work program is to provide product innovations made from patchwork waste and marketing of these products. And the targets of this work program are UPPKA women from RW 20.

B. Socialization

We conveyed the socialization of this workshop activity to the residents of RW 20 at the beginning of the KKN period. And continued with us making a visit

to the Head of UPPKA RW 20 where we conveyed the activities and objectives of this workshop program. So it is hoped that UPPKA RW 20 ladies can attend and participate in this activity that we are holding.

C. Execution

In its implementation, this program was carried out on August 8 2023 at 15.30 – 17.20 WIB and took place in the RW 20 Multipurpose Building. In this activity we invited a resource person who was competent in the field of handicrafts, especially patchwork waste handicrafts to provide material and practice for Ladies and gentlemen of UPPKA RW 20. This event started with the opening of the event by the MC. After the opening of the event, followed by remarks from representatives from KKN students, representatives from the UPPKA Management, representatives from the Head of RW 20. Then, participants will be given material presentations from resource persons and continued with practice of making products.

D. Evaluation

The workshop program for utilizing patchwork waste as an alternative business opportunity ran smoothly from start to finish. Even though we faced several obstacles at the opening time of the event which were not on time according to the rundown, these were overcome so that the event could run well.

3. RESULTS AND DISCUSSION

The implementation of the workshop program for utilizing patchwork waste as an alternative business opportunity in RW 20 Jebres is a smart and sustainable step. The presentation of the material was delivered by speakers from the head of the Solo Raya crafter community, namely Ms. Rina Sulistyaningsih. He owns a business, namely Lintang Kejora Gift, which is a souvenir and gift manufacturer in Solo who is experienced and produces quality and innovative souvenir products. With competent sources in their fields, the participation and enthusiasm of the UPPKA RW 20 Jebres participants was very high. They came with enthusiasm and motivation to learn how to use patchwork waste into products of economic value. The new knowledge gained by the participants during the activity was very useful, making the participants interested in wanting to use it as a new business opportunity as well as a real practical solution so that waste is not wasted.



Figure 1. The Spokeperson delivers the material

Turning patchwork waste into handicraft products has several benefits, including:

1. **Economic value:** A key chain product in the shape of a tulip flower produced from patchwork waste has its own economic value, increases income and can be used as a profitable side business.
2. **Utilization of waste:** By turning patchwork waste into key chain products, it can utilize resources that were previously considered as waste. This helps reduce the amount of textile waste that is discharged into the environment and provides an environmentally friendly solution in waste treatment, reducing environmental waste pollution due to the burning of inorganic waste, especially patchwork. This activity can also raise people's awareness and encourage them to pay more attention to sustainable ways of using resources and reducing unutilized textile waste.
3. **Creativity and Art:** Turning waste into useful items such as key chains shaped like tulips can add insight and creativity in work. It can also awaken one's imagination and artistic intelligence. The process of creating designs, cut patterns, and sewing techniques is a form of self-expression and application of art in handicrafts.
4. **Business Opportunities:** In the context of their livelihood as tailors, processing patchwork waste into value-added products such as key chains can expand

their business opportunities. Such products can be offered to local consumers or further developed into other handicraft products.

By combining these points, the utilization of patchwork waste can act as a pillar of economic, social and environmental sustainability.

A key chain in the shape of a tulip flower was chosen as an example of a handicraft product for utilizing patchwork waste in this program. With different color combinations, it adds to the beauty of the tulip hangers. Choosing a key chain in the shape of a tulip flower as an example of a product is the right solution, considering the materials used are small, the time required is relatively short, and the resulting design is quite unique and attractive. Before carrying out joint practice in product manufacturing, participants were given an explanation of the importance of utilizing patchwork waste into products that are aesthetically attractive and have economic value. Participants learn about design selection, cut patterns, and proper sewing techniques.



Figure 2. Handmade tulip flower key chain product

In practice, participants are asked to sit in groups, it is hoped that the presentation of the material by the resource person can be well received and clear. Participants were divided into several groups, each group had a representative per RT as in figure 2, the aim is that these representatives can re-teach this knowledge at the local RT PKK forum, it is hoped that the knowledge that has been given will continue and the benefits obtained can be useful for the community in RW 20, Jebres sub-district, Surakarta.



Figure 3. The women gathered to form 5 groups

From the results of the workshop on the utilization of patchwork waste in RW 20, it received high enthusiasm and the sustainability of this activity will continue in the future by adding innovations related to patchwork waste.

4. CONCLUSION

From the description of the utilization of patchwork waste as an alternative business opportunity, it can be concluded as follows

1. This training activity on utilizing patchwork waste to become a unique and interesting key chain provides ideas for mothers to be able to make better use of patchwork waste as something that is even more valuable.
2. By holding this activity, it opens up home-based business opportunities that can be done as productivity to fill spare time.
3. Through this activity, the community pays more attention to patchwork waste so that it can be recycled again in order to reduce existing environmental pollution.
4. Increasing the creative spirit of the community to be able to produce products that have artistic value and selling value.

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