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## TRANSFORMING RABBIT SKIN WASTE INTO A CRAFT PRODUCT

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### Abstract:

The establishment of making craft products from rabbit skin is a field that society has not previously explored. This has raised the issue of odour pollution in rabbit skin cultivation and waste disposal areas. Hence, the purpose of this study is to explore the methods of cleaning rabbit skin. Among the methods that should be highlighted is the principle of cleaning the fat inside the skin through a series of cleaning processes. Due to climate in Malaysia, some techniques have been explored and investigated that produce positive results. Initial experiments were carried out with some FELDA Besout 5 residents to determine the accuracy of the flow and cleaning processes. After some experiments, it was discovered that the best ingredients for neutralizing rabbit skin were alum, salt, and mink oil. The material used to clean rabbit skin is readily available; in fact, it is a material that individuals use at home daily. As a result, after the rabbit skin has been cleaned, it can be used to create any type of creative work. The proposed cleaning process module can be used to improve the knowledge and skills of FELDA residents who are directly involved in rabbit farming since this provides a source of revenue for their family. This can aid and mobilize the community to explore and implement the module. It is essential to keep working on involving society in these methodologies to improve their social skills and reveal more social economic lifestyle change. Craft items are an undeniably lucrative product category in tourist areas. Hopefully, rabbit fur products will catch the attention of tourists.

### Keywords:

Rabbit Skin; Natural Fibres; Craft Product Development; And Cleaning Process

## Introduction

### *New Approaching Development for Waste Material*

This study was initiated in response to the issue arising from the disposal of rabbit skins after slaughter. The disposal of rabbit skins in an improper manner has led to open pollution, as they are discarded without proper care or consideration. Field research has been conducted, and residents of FELDA Besout 5, Sungkai, Perak, have been identified as respondents who are willing to cooperate with the ideas proposed. The researcher and team propose to transform the discarded rabbit skins into something useful that can generate additional income. Yes, indirectly, this initiative addresses the potential for downstream projects that can have a positive impact on their community's development.

### *Innovative Solutions for Environmental and Economic Sustainability*

Innovation refers to the process of creating and implementing new ideas, concepts, products, services, or processes that result in significant improvements, advancements, or value creation (Lockwood, T., 2014). It involves the application of creative thinking, problem-solving, and experimentation to bring about positive change and address unmet needs or challenges. Innovation can occur in various forms, including technological innovations, product innovations, process innovations, business model innovations, social innovations, and more (Christensen, C. M., 1997). It often involves introducing something novel, groundbreaking, or disruptive that has the potential to transform industries, markets, or society (Kelley, T., & Littman, J., 2016). Innovation plays a crucial role in driving economic growth, fostering competitiveness, and addressing societal challenges. It can occur in various domains, including technology, science, business, arts, social sectors, and more, and it is often fuelled by collaboration, continuous learning, and a willingness to challenge the status quo.

Referring to the Designomics approach that integrates design and economics concepts, this project also encompasses the fundamental idea of creating environmentally friendly products while ensuring profitability (Hashim, H. Z., & Rahman, K. A. A. A., 2016). Designomics is a term that combines the disciplines of design and economics. It refers to an approach that integrates design thinking and economic principles to create innovative solutions that balance aesthetics, functionality, and economic viability. Designomics focuses on leveraging design principles and processes to drive economic value and enhance business performance Mishra, S. (2020). It recognizes that design is not only about creating visually appealing products or services but also about understanding and meeting the needs of users and customers while considering economic factors such as cost-effectiveness, market demand, and profitability. By combining design and economics, Designomics aims to generate value and competitive advantage through well-designed and economically viable solutions (Rouse, W. B., 1993). The relationship between innovation and Designomics provides the best pathway for the rabbit skin cleaning process. This is because, ultimately, the rabbit fur will be utilized as the main material in crafting. Here is a further explanation of how they are interconnected:

**Innovation:** Innovation refers to the process of developing new and improved ideas, methods, or products. In the context of rabbit skin craft, innovation can involve finding novel ways to utilize and transform rabbit skins into valuable and marketable products.

This can include exploring unique designs, techniques, or applications that differentiate the crafted items from existing ones in the market.

**Designomics:** Designomics, as previously mentioned, combines design and economics principles. It emphasizes the importance of considering both aesthetic and economic factors in product development. In the case of rabbit skin craft, Designomics involves creating designs that are not only visually appealing but also economically viable. It encompasses factors such as cost-efficiency, market demand, scalability, and profitability.

The relationship between Innovation and Designomics in rabbit skin craft can be summarized as follows:

- a. **Ideation and Creativity:** Innovation drives the process of generating new ideas and creative solutions in rabbit skin craft. This could involve exploring innovative designs, applications, or techniques to transform rabbit skins into unique and marketable products.
- b. **User-Centered Design:** Designomics emphasizes understanding the needs and preferences of the target market. By applying user-centered design principles, innovative solutions can be developed that cater to the preferences and desires of customers, leading to higher market acceptance and potential profitability.
- c. **Economic Viability:** Designomics ensures that the innovative designs and ideas are economically feasible. It involves assessing factors such as material costs, production processes, pricing strategies, and market demand to ensure that the crafted products can be produced and sold at a profit.
- d. **Sustainable Business Model:** By integrating innovation and Designomics, a sustainable business model can be developed for rabbit skin craft. This involves creating a balance between innovation, aesthetics, and profitability to ensure long-term success in the market.

The relationship between the attributes that have been validated through the involvement of the residents of Felda Besout 5 has demonstrated that this cleaning process can be commercially viable. The exposure to the innovative rabbit skin craft products that adopt the Designomics model has opened up opportunities for the residents of Felda Besout 5 to participate in joint training sessions. Indirectly, this study will undoubtedly be advantageous to the local inhabitants and rabbit business owners in FELDA Besout 5, Sungkai Perak. This study can raise community awareness of the value of recycling waste materials and help prevent the loss of meat-bearing rabbit skin. It will demonstrate and develop a creative notion for converting rabbit skin into a reusable material using the creativity of the present cycle. The results of the study can assist the locals in understanding the proper procedures for processing rabbit skin so as to create handicrafts that can be sold and benefit the people of FELDA Besout 5, Sungkai Perak. They may profit by recycling used rabbit skin and upcycling it in addition to generating income from downstream items, including rabbit meat.

## Literature Review

### *Approaching Development for Waste Material*

The purpose of this study was to raise awareness about the recycling of waste materials that, when handled correctly in accordance with the standards that have been investigated and tested against them, may be used to create new materials (William McDonough, 2013). The growth of waste skin from broiler rabbits can result in a new material that can be used to produce crafts. The strategy for creating this waste material must follow several steps in accordance with the standards that have been established (Lacy, P., & Rutqvist, J., 2015). To get outcomes that were achieved before the manufacture of craft items, there are four procedures that must be completed and followed with the proper technique and formula. Research has revealed that waste products made from the skin of grill rabbits may be applied in Malaysia and are ideal for new business ventures in this industry to adopt.

After the rabbit skin has been properly cleaned and prepared, it can be utilized to create a wide range of creative works. The cleaned rabbit skins serve as a versatile material that can be transformed into various craft products, allowing for endless possibilities in artistic expression mentioned by William McDonough (2013). The soft and supple texture of rabbit skin makes it ideal for crafting items such as bags, purses, wallets, and footwear. The inherent durability of the material ensures that these products can withstand everyday use while maintaining their aesthetic appeal. Additionally, rabbit skins can be utilized in creating decorative items like jewellery, ornaments, and keychains, adding a touch of uniqueness and luxury to these accessories. In the realm of fashion, rabbit skins can be used as decorative accents or as the main material for clothing and accessories. The natural warmth and softness of the fur make it an excellent choice for creating stylish hats, scarves, gloves, and trimmings on garments. Designers and artisans can explore innovative techniques to incorporate rabbit skins into their fashion creations, resulting in unique and visually striking pieces.

The versatility of rabbit skins also extends to home decor and interior design (Carroll, J., 2013). They can be incorporated into furniture upholstery, cushions, throws, and rugs, adding a touch of elegance and sophistication to living spaces. According to Friedman, V. (2021), rabbit fur can also be used to create luxurious blankets and bedding, providing warmth and comfort. The use of cleaned rabbit skins in creative works not only showcases the unique characteristics of the material but also promotes sustainable and ethical practices in the craft industry. By repurposing discarded rabbit skins, artisans and designers contribute to the reduction of waste and the conservation of resources. In conclusion, once the rabbit skin has undergone the cleaning process, it becomes a valuable and versatile material that can be used to create a wide array of creative works. From fashion and accessories to home decor and beyond, the cleaned rabbit skins offer endless possibilities for artisans, designers, and crafters to showcase their creativity and produce unique, sustainable, and aesthetically appealing products. In Malaysia, the acceptance of rabbit skin products can depend on several factors:

- a. **Cultural and Traditional Factors:** Malaysia has a diverse cultural landscape, with various traditional crafts and practices. The acceptance of rabbit skin products may be influenced by cultural beliefs, preferences, and traditional craft practices in different communities.
- b. **Market Demand and Awareness:** The acceptance of rabbit skin products in Malaysia may also depend on the existing market demand and awareness. If there is a growing interest in sustainable and eco-friendly products, coupled with effective marketing and awareness campaigns, the acceptance of rabbit skin products could potentially increase.
- c. **Environmental Considerations:** Malaysia is becoming increasingly aware of environmental issues, including sustainability and the responsible use of resources. If

rabbit skin products are produced using ethical and sustainable practices, emphasizing the recycling and repurposing of waste materials, it could contribute to their acceptance in the market.

- d. Fashion and Design Trends: Fashion and design trends play a significant role in influencing consumer preferences. If rabbit skin products are creatively designed, aligned with current fashion trends, and positioned as unique and stylish products, they may find acceptance among fashion-conscious individuals.
- e. Pricing and Value Proposition: The pricing and perceived value of rabbit skin products can also impact their acceptance. If the products offer a competitive price point, high quality, and unique features, they may be more appealing to consumers.

The importance of establishing good relationships with customers, this study has conducted several training sessions. It was held to assess the success of rabbit skin products in the Malaysian and international markets. This can help businesses tailor their products, marketing strategies, and messaging to meet the specific needs and preferences of the target audience in Malaysia.

### ***Benefit of the Society***

The results of this research may help the citizens of FELDA Besout 5 earn income by turning rabbit skin into artisan items. Prior to the notion of using the sale of rabbit meat as a secondary source of revenue, the villagers engaged in a downstream project that involved rearing meat rabbits as a second source of income. The community in FELDA Besout 5 can create new income thanks to this strategy and research activities, which can be beneficial. Additionally, they may raise awareness in this nation about the value of recycling and environmental protection (Table 1).

**Table 1: The Value of Recycling and Environmental Protection**

No	Attributes	Description	
1	Economic Opportunities	The utilization of discarded rabbit skins in the craft industry creates economic opportunities for the community. By transforming waste into valuable materials, individuals can engage in income-generating activities, potentially improving their livelihoods and financial well-being.	Hashim, H. Z., K. A. A. Rahman, H. Alli, and R. A. A. R. Effendi (2018)
2	Sustainable Resource Management	By repurposing rabbit skins that would have otherwise been discarded, the project promotes sustainable resource management. It reduces waste and maximizes the use of available resources, contributing to a more environmentally friendly approach.	Meadows, D., Jorgen Randers, & Meadows, D. (2004).
3	Preservation of Traditional Craft	The project supports the preservation of traditional craft skills and techniques. By incorporating rabbit skins into craft production, it helps to maintain and pass on valuable knowledge and craftsmanship to future generations.	Tung, A. M. (2001).
4	Cultural Heritage	The utilization of rabbit skins in crafts may have cultural significance, particularly in communities	Peacock, A. T. (2008).

		where it is a traditional practice. By embracing and promoting these cultural practices, the project helps preserve and celebrate local heritage.	
5	Environmental Impact	By repurposing rabbit skins, the project reduces the environmental impact associated with waste disposal. It minimizes the need for additional raw materials and helps to mitigate the strain on natural resources.	Carson, R. (2002).
6	Market Expansion	The introduction of innovative rabbit skin crafts can lead to market expansion and diversification. This benefits both the local community and the wider market by providing unique and sustainable products for consumers.	Kim, W. C., & Mauborgne, R. (2015).

Each statement above strengthens the rabbit skin cleaning work and provides the best assurance to the beneficiaries. By utilizing previously disposal rabbit skins, this study can create sustainable economic opportunities, promote better resource management, and preserve traditional craft skills. Additionally, this reflects a commitment to cultural heritage and environmental impact reduction. Through the development of markets and innovative products, this project provides significant benefits to society. It is subject to the diligence and determination of the settlers who strive to acquire knowledge and increase their family's income.

### Methodology

The appropriate method for this project would involve a combination of research, experimentation, and practical implementation. By following this methodological approach, the project can ensure that the cleaning process for rabbit skins is based on thorough research, practical experimentation, and feedback from stakeholders (table 2). It allows for the development of an effective and sustainable method that meets the requirements of the craft industry while empowering FELDA residents with the necessary skills and knowledge for successful implementation.

**Table 2: Outlines of the Research Process**

Approach	Description
Research and Literature Review	Begin by conducting thorough research and literature review to gather existing knowledge, techniques, and best practices related to rabbit skin cleaning and its utilization in the craft industry. This step helps in understanding the current state of the field, identifying potential challenges, and exploring innovative approaches.

Experimentation and Testing	Evaluation and Optimization	Design and conduct experiments to test different cleaning methods, tools, and materials. This can involve variations in cleaning solutions, soaking times, agitation techniques, and drying processes. The goal is to find the most effective and efficient method that yields clean and well-prepared rabbit skins. Evaluate the results of the experiments and analyze the quality of the cleaned rabbit skins. Take into account factors such as cleanliness, softness, durability, and suitability for craft applications. Based on the evaluation, refine the cleaning method and optimize the process to achieve the desired outcomes.
	Training and Skill Development	Develop a training program or module that educates and trains the individuals involved in the cleaning process. This includes providing detailed instructions, demonstrations, and hands-on practice sessions to ensure that they acquire the necessary skills and knowledge to perform the cleaning effectively and consistently.
	Practical Implementation and Feedback	Implement the developed cleaning process in real-world settings. Engage with FELDA residents and craft industry stakeholders to gather feedback on the effectiveness and practicality of the method. Continuously monitor and evaluate the process, making adjustments as needed based on feedback and lessons learned.
	Continuous Improvement	Foster a culture of continuous improvement by actively seeking feedback, monitoring industry advancements, and incorporating new findings into the cleaning process. Regularly update the methods, tools, and training modules to stay aligned with the evolving needs and standards of the craft industry.

The following table outlines the steps of the research process for the waste meat and rabbit skin used in the study, which was carried out at FELDA Besout 5 in Sungkai, Perak. The creation of a module that will outline the procedures for cleaning rabbit skin, which entails four steps and uses a formulation established by the researcher as a reference for operators and residents. The marinating procedure is one of the steps that must be completed initially. The cleaning process is the second phase, and it will outline the processes that must be followed to clean the rabbit skin. The drying process is the third, and the colouring process is the last process that must be followed in order to clean the rabbit skin. The drying process is the third, and the colouring process is the last. They are cleaning procedures for rabbit skin. The data taken is based on observation of the study, that is how to deal with the weather problems experienced in Malaysia, the appropriate materials used for all processes of cleaning rabbit skin, the appropriate time for each process and so on. This is because, maybe the time and weather that is used as a reference from abroad is not that suitable to be used and carried out in Malaysia. Therefore, the researcher made other observations that the guidelines can be used and become a reference in Malaysia.

Cleaning rabbit skin to prepare it as a material typically involves a process known as tanning. Tanning is the treatment of animal skins to make them durable, soft, and suitable for various applications. Therefore, the study conducted aims to create a cleaning formula through several experiments that have been carried out. Here (Table 3) are the general steps involved in cleaning and tanning rabbit skin:

**Table 3: Steps Involved in Cleaning and Tanning Process**

Step of cleaning process	Description
Skinning	The first step is to carefully remove the skin from the rabbit's body. This should be done by a skilled individual to ensure the skin remains intact and undamaged.
Fleshing	After skinning, any remaining flesh, fat, or connective tissue is removed from the underside of the skin. This process, known as fleshing, helps prepare the skin for further treatment.
Salt and Alum Curing	The skin is then salted to draw out moisture and prevent bacterial growth. Coarse salt is applied to both sides of the skin, and it is left to cure for a period, usually a few hours to a day, depending on the thickness of the skin.
Washing	Once the curing process is complete, the skin is washed to remove excess salt and any remaining debris. It is important to thoroughly rinse the skin to ensure all salt is removed.
Drying and Softening	After tanning, the skin is dried, usually stretched and pinned onto a board or frame, to maintain its shape. Once dry, it can be softened using techniques such as rubbing or stretching to achieve the desired texture and flexibility.

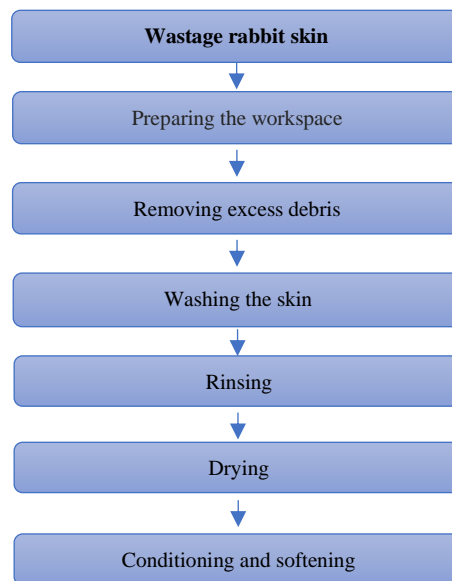
It is important to note that tanning rabbit skin can be a complex and specialized process. For high-quality results, it is recommended to seek the expertise of professional furriers or leatherworkers who have experience in working with animal skins.

### Results And Finding

To visually illustrate the sequential steps involved in the cleaning process, the flow chart begins with preparing the workspace, providing a clean and orderly work environment with the necessary equipment and materials. Each step must be carried out with all the necessary equipment. Properly preparing the workspace before starting the rabbit skin cleaning process is important to maintain cleanliness, organisation, and safety. Check that the space is well ventilated and free of pollutants. The result of washing the rabbit skin will be affected by the area. Second, proceed to the process removes excess debris. In this process, start by removing any visible dirt, debris, or hair from the rabbit's skin. This can be done by gently brushing or shaking the skin to remove loose particles. The third is the process of washing the skin to carry out the skin washing process, prepare a mild cleaning solution by mixing a mild detergent or mild soap with water. Soak the rabbit skin in the solution and stir gently to remove any remaining dirt or impurities. At this process, be careful not to scrub the leather vigorously, as this can damage the delicate fibres. Fourth, the process of rinsing the rabbit skin rinse the skin thoroughly with clean water to remove any traces of soap or detergent. Make sure all waste is completely removed. After that, the drying process involves slowly squeezing excess water



from the skin without squeezing or twisting it in this drying process. Lay the leather flat on a clean, absorbent towel or hang it in an area with good ventilation and away from direct sunlight. Let the skin dry naturally. Avoid using heat sources or high-speed drying methods, as they can cause the leather to shrink or become distorted. The drying process is important after cleaning the rabbit skin to ensure it is properly preserved and prepared for further treatment or use. Finally, the process of conditioning and softening the rabbit skin. After the leather is dry, it may choose to use a leather conditioner or softening agent designed specifically for fur or leather. This (figure 1) step helps maintain the softness and suppleness of the rabbit's skin.



**Figure 1: Visual Representation of the Sequential Steps Involved in the Cleaning Process.**

It is essential to follow proper hygiene practices during the cleaning process to ensure the highest quality and safety of the rabbit skin. This includes wearing gloves and using clean tools and equipment to minimize contamination. It is important to note that specific cleaning methods may vary depending on the type and condition of the rabbit skin, as well as the intended use of the final product. It is recommended to consult with experts or professionals in the field for more detailed guidance tailored to specific needs. By establishing a flowchart as a module (figure 1), it becomes a valuable tool for training purposes, ensuring that individuals involved in cleaning rabbit skins have a clear understanding of the process and can follow it effectively. It also facilitates standardization and quality control, as everyone follows the same established steps, resulting in consistent and reliable outcomes.

The research has demonstrated that the transformation of discarded rabbit skins into valuable craft materials is not only feasible but also economically viable. Through innovative techniques and Designomics principles, high-quality and marketable products can be created from rabbit fur. This finding opens new possibilities for sustainable income generation, as the craft industry can now utilize a previously wasted resource. Additionally, the acceptance and cooperation of the settlers in FELDA Besout 5 have proven to be crucial in the success and implementation of the project. This finding paves the way for the development of a profitable and environmentally conscious rabbit skin craft industry, benefiting both the local community and the wider market.

The proposed cleaning process module offers significant benefits in terms of improving the knowledge and skills of FELDA residents who are directly engaged in rabbit farming. By implementing this module, the residents can acquire valuable insights and practical experience in the proper cleaning and preparation of rabbit skins for the craft industry. This module acts as a training program that equips the residents with essential knowledge about the cleaning techniques, tools, and materials required to ensure the highest quality of rabbit skins. They will learn about proper hygiene practices, sterilization methods, and the selection of high-quality raw materials. Additionally, the module can provide guidance on best practices for preserving the natural characteristics of rabbit skins while enhancing their durability and aesthetic appeal. By enhancing their knowledge and skills in rabbit skin cleaning, the FELDA residents can effectively contribute to their family's income generation. The availability of clean and well-prepared rabbit skins releases opportunities for them to participate in the craft industry, either by creating their own products or supplying the raw materials to crafters and artisans. This not only diversifies their income sources but also enables them to maximize the value of their rabbit farming endeavors. Moreover, the acquired knowledge and skills can be passed down within the FELDA community, fostering a culture of expertise and sustainability. This enables future generations to continue benefiting from the craft industry's potential and ensures the long-term viability of rabbit farming as a profitable venture.

The proposed cleaning process module empowers FELDA residents involved in rabbit farming by enhancing their knowledge and skills in preparing rabbit skins. This, in turn, provides them with a valuable source of revenue for their families while contributing to the development and sustainability of the craft industry within the community.

**Table 4: The Experiment Conducted on Two Pieces of Rabbit Skin**

Item	Type	Salt NaCl	Alum XAl (SO. 4) 2·12 H. 2O	Duration (hour)
1	Rabbit skin 1	800 gm (80%)	200 gm (20%)	48 hours
2	Rabbit skin 2	800 gm (80%)	200 gm (20%)	72 hours

The (table 4) above describes an experiment conducted on two pieces of rabbit skin. The time taken in the rabbit skin marinating process is also considered because the researcher wants to know which estimated time is suitable to be used in the rabbit skin marinating process. The main ingredients used in this marinating process are salt and alum. Salt and alum act to absorb all the liquid from the rabbit's skin and will prevent the rabbit's skin from smelling and getting damaged. The overall results for this experiment are, the appropriate time taken is 48 hours, the rabbit skin will be easy to remove in the cleaning process and will not shrink too much.

**Table 4: Equipment with Usage Quantity and Cost Cleaning Process**

Equipment	Usage quantity	Cost
Salt	800gram	RM0.57
Alum	200gram	RM0.35
Rabbit skin	250gram (pieces)	no charge (1 <sup>st</sup> experiment)
Total cost		RM0.92

The (table 4) above describes the equipment with usage quantity and cost cleaning process. The marinating method will involve the materials, and the rabbit skin will be marinated for 48 hours, or two days. After the marinating process, the rabbit skin will be cleansed. The rabbit skin must first be soaked for at least 30 minutes before cleaning to make it easier to remove the fat and inactive portions of the skin. By soaking the skin, it can also soften the fat that will not be used in the cleaning process. The skin of the rabbit will next be washed with a soap designed for cleaning any kind of animal hair. The stench of the rabbit's skin and hair is also lessened by soap. The choice of soap for the washing process and how the rabbit skin is handled also play a crucial part in minimising harm to the subsequent process since the drying process will be carried out after the cleaning process. This is because improper handling of any step may result in damage and render the rabbit skin unusable for crafting purposes.

The drying step comes next following the cleaning procedure. The rabbit skin must be dried throughout this procedure by hanging it up to dry in a room-temperature environment that isn't excessively exposed to the sun or the elements (rain or shine). Rabbit skin must be monitored for at least 24 hours during the drying process. If there are any areas of the rabbit's skin that are folded and not dry, they need to be watched carefully. When the weather is uncertain, a fan should be available for ventilation to keep the rabbit's skin from getting smelly and wet.

**Table 5: List of Equipment with Usage Quantity and Cost for Colouring Process**

Equipment	Usage quantity	Cost
Nylon dye	50gram	RM14.90
Rabbit skin	5 pieces	no charge
Total cost		RM14.90
	RM14.90 ÷ 5 pieces	RM2.98

The table above shows the list of equipment with usage quantity and cost for colouring process.

**Table 6: List of Equipment with Usage Quantity and Times for Colouring Process**

Equipment	Usage quantity	Time
Hot water	3 litter	RM14.90
Salt	50 gm	15 minutes
Colour	5 gm	
Water	1.5 litter	

The table above shows the List of equipment with usage quantity and times for colouring process.

### Conclusion and Discussion





It is important to note that expertise in working with animal skins for crafts can be found in both professional artisans and hobbyists who have developed their skills over time. Local craft communities, specialized workshops, and online forums can be great resources to connect with experts in this craft and learn from their experience and knowledge. For this study was carried out to inform the FELDA Besout 5 community and the Malaysian community that some waste materials may be recycled and turned into useable goods. This research will also provide cleaning instructions for rabbit skin using the proper procedures and tools. The materials employed are nevertheless secure and easily accessible. By doing this study, the people of FELDA Besout 5 would not have to worry about removing the rabbit skin because they already


have expertise and information on doing so. Moreover, they can transform rabbit skins into sellable crafts.

The acceptance of using rabbit skin in the craft industry can vary among different societies and individuals. It largely depends on cultural, ethical, and environmental factors. Here are (table 7) some perspectives commonly seen:

**Table 7: Rabbit Skin’s Potential Uses in the Craft Industry.**

No	Potential factors	Description
1	Fur Crafts	Fur can be used to create various craft items such as fur hats, fur trim for clothing, fur accessories like keychains or bag charms, or even fur toys. The soft and fluffy nature of rabbit fur makes it suitable for these types of crafts. <div> </div> <div> <p>Figure 2: Craft product (handbag) from rabbit fur</p> </div>
2	Cultural Acceptance	In some cultures, using animal products, including rabbit skin, in crafts is a traditional practice that has been accepted for generations. These societies may have a long history of utilizing animal materials for various purposes, including clothing, accessories, and decorative items. <div> </div> <div> <p>Figure 3: Researchers describe the journey to the production of reusable rabbit skin.</p> </div>
3	Ethical Considerations	There are individuals and groups who raise concerns about using animal skins for crafts due to ethical reasons. They may advocate for animal welfare and believe that using animal products, including rabbit skin, is not morally justifiable. <div> </div> <div> <p>Figure 4: The researcher carefully explains the production and process according to proper procedures.</p> </div>

4	Environmental Impact	<p>Another aspect to consider is the environmental impact of using animal skins. Some individuals and societies prioritize sustainable and eco-friendly practices and may have concerns about the sourcing and production processes involved in obtaining rabbit skins. They may prefer alternative materials or advocate for responsible sourcing and sustainable practices in the craft industry.</p>	 <p>Figure 5: The environment is highly significant in the study that is being conducted.</p>
5	Legal Regulations	<p>Societal acceptance can also be influenced by legal regulations regarding the use of animal products. Some jurisdictions may have specific laws and regulations regarding the sourcing, treatment, and sale of animal skins. Compliance with these regulations is important for the acceptance of rabbit skin crafts within a society.</p>	 <p>Figure 6: The figure above shows the ethical process of obtaining rabbit skin</p>
6	Leather Goods	<p>Rabbit skin can be tanned and used to make leather products. Rabbit leather is thin, supple, and lightweight, making it suitable for items like gloves, wallets, small bags, or leather patches for clothing.</p>	 <p>Figure 7: The figure shows the skin of a rabbit that has completed the cleaning process</p>
7	Home Decor	<p>Rabbit skin can be used in the creation of home decor items such as pillows, throws, or rugs. The soft texture of rabbit fur can add warmth and comfort to these items.</p>	 <p>Figure 8: showing the results of home decoration craft products that have been produced by researchers</p>

8	Jewellery	Rabbit fur can be incorporated into jewellery designs. It can be used as an accent or focal point in earrings, necklaces, or bracelets, adding a unique texture and visual appeal.	 <p>Figure 9: The figure shows the results of jewellery made from rabbit skin (retrieved: ebay.com)</p>
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The acceptance of using rabbit skin for crafts can vary widely. It is important for crafters and businesses to understand the perspectives and values of their target audience and consider ethical and sustainable practices to ensure broader acceptance within society. There are many skilled artisans and craftspeople who specialize in working with animal skins, including rabbit skin, for various crafts. These individuals often have expertise in specific areas such as furriers and leatherworkers. As all aware, furriers are professionals who specialize in working with fur, including rabbit fur. They have expertise in handling and sewing fur, creating fur garments, accessories, and home decor items. They have knowledge of fur types, techniques for cutting and sewing, and the ability to create customized fur pieces. Apart from that too leatherworkers have expertise in working with different types of leather, which can include rabbit skin. They are skilled in techniques such as cutting, stitching, and shaping leather to create various products like bags, wallets, and clothing accessories. They may use both traditional and modern leatherworking tools and techniques.

Through the initial process of rabbit skin cleaning technique, three important elements can be explored in the context of utilizing rabbit skins for the craft industry such as Product Manufacturing and Sales: Establish a business model that involves producing various craft products using rabbit skins, such as bags, accessories, home decor items, or clothing. These products can be sold through various channels, including online platforms, local markets, craft fairs, or retail partnerships. Secondly, Supply and Distribution: Develop a business model that focuses on the supply and distribution of rabbit skins to other craft businesses or designers. This model involves sourcing and processing rabbit skins, ensuring quality control, and establishing partnerships with craft businesses that rely on such materials. The third element is Workshops and Training: Offer workshops, training sessions, or courses on rabbit skin craft techniques. This business model can involve charging a fee for participation, providing materials and tools, and sharing knowledge and skills related to working with rabbit skins.

Addressing the aspects of the relationship between Innovation and Designomics in rabbit skin craft involves leveraging innovative ideas, creative designs, and economic considerations to create unique and economically viable products that meet customer preferences and drive profitability. In conclusion, the exploration and utilization of rabbit skin in the craft industry have shown promising potential. Through innovative approaches and the integration of Designomics principles, the study has been able to transform discarded rabbit skins into valuable materials, creating environmentally friendly products while ensuring profitability. The support and collaboration of the settlers of FELDA Besout 5 have been instrumental in the success of this project. Moving forward, continued efforts in research, development, and

market expansion can lead to sustainable economic opportunities, benefiting both the community and the environment.

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