
ASSISTANCE IN FATTENING GOAT FARMING BUSINESS: DIVERSIFICATION STRATEGY AND PRODUCTIVITY IMPROVEMENT "GUS SHOR FARM" KANUGRAHAN MADURAN LAMONGAN VILLAGE

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Keywords

Fattening, Goat
Farming,
Diversification,
Productivity

Abstract

The development of Goat Farm Fattening Business "Gus Shor Farm" in Kanugrahan Village, Maduran, Lamongan is a strategic effort in increasing the productivity and sustainability of goat farming business. In this context, diversification strategies and productivity improvement are the main focus. The study aims to analyze local market potential, identify business diversification strategies, and design measures to increase goat farm productivity. Research methods used include field surveys, stakeholder interviews, and data analysis. The results showed that the demand for goat meat in the local market continues to increase, providing a great opportunity for "Gus Shor Farm" to develop a goat fattening business. Business diversification strategies include the development of processed goat products such as sausages, jerky, and goat cheese, which can increase the added value and attractiveness of products. In addition, productivity improvement is carried out through the application of technology and efficient management practices, including the use of high-quality feed, good livestock health management, and selection of superior goat breeds. By implementing this strategy, "Gus Shor Farm" can increase income, reduce financial risk, and contribute to economic and social development in Kanugrahan Village, Maduran, Lamongan.

INTRODUCTION

The development of goat farming fattening business is a major concern in an effort to increase productivity and profits for farmers. Along with changes in people's consumption patterns that are increasing, especially in terms of high goat meat needs, making this business has bright prospects in the local and global markets (Mulyono 2008). However, the challenges faced in developing a goat fattening business are not small.

One of the main challenges faced by farmers is increasingly extreme climate change, which can affect the availability of animal feed and animal health. In addition, competition with imported products is also a factor that affects the competitiveness of local products (Susanto and Sitanggang 2015). Therefore, the development of a diversification strategy in goat farming is very important to minimize risks and increase competitiveness.

Goat business diversification covers various aspects, ranging from the use of technology in livestock management to the development of derivative products from goats. For example, the use of integrated systems in livestock management can help improve the efficiency of goat meat production and quality (Mulyono 2008). In addition, diversification of derivative products such as goat milk, cheese, or other processed goat products can also be an attractive alternative to increase farmer income.

In addition to business diversification, increasing productivity is also the main focus in the development of the goat fattening business. This involves various efforts, ranging from the selection of superior seeds to the application of good management in livestock management. The selection of superior breeds can increase the growth potential and quality of goat meat, so as to meet the increasing market demand (K Adhianto, Hamdani, and ... 2015). In addition, the implementation of good management in livestock management, including in terms of feed management, health, and sanitation, is also very important to increase productivity and reduce the risk of disease and animal death.

The profile of Gus Shor Farm goat farming in Kanugrahan Maduran village can be characterized based on various socio-economic aspects. Goat farmers in this region usually belong to the middle age group, have a low level of education, and often come from landless families with intermediate annual incomes. They usually keep goats in a free livestock system with a small herd size and limited experience in goat farming. Even so, this farm, which used to only start from 30 goats, has now become hundreds of goats, they use a breeding system. What is also interesting about this farm is that almost all impurities, such as 'srintil' and also urine can be processed into liquid and solid compost. From the results of this management, this farm can

get income of up to ten million every month, and that is not yet when the goat harvest period, it can reach hundreds of millions each harvest, usually around 5-7 months.



Figure 1.

Examples of some products produced from this farm in addition to livestock crops

The success of Gus Shor Farm's farm has spread widely among the surrounding community, even some media activists have visited this farm, visitors from out of town are also quite a lot, some school children also often visit as a means of livestock education. This is clearly interesting for other parties, including academics and researchers, so that the concept of animal husbandry can be developed and adopted by the community at large, through research mechanisms and also community service as a form of mutually impactful knowledge transfer.

METHOD

At Gus Shor Farm, the development of goat farming fattening business is carried out through a structured and measurable methodological approach. The steps taken aim to increase business productivity and sustainability, as well as maximize existing market potential. Improved Seed Production and Quality as well as Livestock Population and Production: Gus Shor Farm can implement seed and seedling quality improvement strategies by implementing a rigorous genetic selection program to ensure only the best seeds and seedlings are used in the breeding

process. The use of modern technologies such as artificial insemination can accelerate the increase in population and livestock production. He also acts as a doctor, such as doing injections when goats are sick or others.

Increased Availability of Quality Feed. Ensuring the availability of high-quality feed is key. Gus Shor Farm can work with leading feed suppliers to source feed that meets nutritional standards. In addition, the development of an independent feed system by utilizing local resources can help in ensuring the stability of feed supply. Gus Shor Farm is principled, a good breeder is a farmer who has provided abundant feed before buying goats to raise, so he rents land to plant grass with packchong types, elephant grass for free feed availability.

To support the stability of poultry production, Gus Shor Farm can follow measures proposed by the government such as measurable and orderly production planning, as well as improving livestock health management to reduce the risk of disease. Regular monitoring and vaccination are an important part of this effort, so he cooperates with the local livestock department, seeking experience with senior farmers, solely to equip himself with good skills in the care of farm goats. Here is a clear narrative regarding the methodology applied at Gus Shor Farm:

1. **Market Potential Analysis:** The team at Gus Shor Farm conducts a thorough analysis of local and regional markets to identify consumer demand and trends regarding goat meat and its processed products. This information becomes the basis for planning marketing strategies and product diversification. The team at Gus Shor Farm can benefit from a wide range of research findings on goat meat and its processed products to inform their marketing strategies and product diversification efforts. Research has highlighted key aroma compounds in different parts of mutton, aiding flavor enhancement and product development. In addition, research on consumer preferences for wet and dry-aged mutton can guide teams in understanding the flavor profiles that resonate with customers. Furthermore, exploring locally produced mutton in collaboration with culinary practitioners can provide insight into sustainable and sensorially approved food solutions, aligned with current market trends. By leveraging these insights, Gus Shor Farm can tailor their offerings to meet consumer demand, increase product appeal, and develop successful marketing strategies in local and regional markets.
2. **Resource Mapping:** Next, mapping the resources available on the farm is carried out, including land, facilities, labor, and capital. This helps in the determination of

production capacity that can be produced as well as efficient allocation of resources. Mapping resources on farms, including land, facilities, labor, and capital, is essential to determine production capacity and ensure efficient resource allocation. Efficient resource allocation in animal husbandry involves maximizing income while minimizing costs in a sustainable manner. Analyzing the efficiency of resource use is crucial, given the economic and environmental aspects, as well as their impact on sustainability and public investment in livestock. Such an approach provides valuable insights for improving efficiency and comparing different types of farms.

3. **Identify Challenges and Opportunities:** The team identified challenges faced, such as feed price fluctuations and livestock health issues, as well as opportunities to improve production efficiency and product value-added. It helps in formulating strategies that suit the existing environmental and market conditions.
4. **Implementation of Diversification Strategy:** Gus Shor Farm implements a business diversification strategy by expanding its product portfolio, such as the development of processed goat products such as sausages, jerky, and goat cheese. The move aims to increase revenue and expand market share. Diversification allows optimal utilization of resources, improvement of product quality and effective market influence, contributing to long-term economic stability and financial growth. The move toward diversification underscores the importance of strategic decision-making, market analysis, and alignment with consumer preferences to ensure successful expansion and sustainable profitability.
5. **Increased Livestock Productivity:** Through the application of technology and efficient management practices, Gus Shor Farm strives to increase the productivity of goat livestock. These include selection of superior breeds, quality feed management, and regular monitoring of livestock health. Using technology and efficient management practices, Gus Shor Farm seeks to increase the productivity of goats through several effective measures. One of the steps taken is to choose superior breeds, which means choosing goats that have better traits and are more suitable for cultivation. Thus, the quality of goat production can be improved and the costs incurred for maintenance can be reduced. In addition, quality feed management is also very important in increasing the productivity of goats. Quality feed can ensure that goats get enough nutrients for optimal growth and development. Thus, goats can grow faster and healthier, as well as produce better products.

- 6. Agricultural System Integration:** Gus Shor Farm also integrates agricultural systems by utilizing agricultural waste as animal feed. This step not only reduces production costs but also supports environmental sustainability. Gus Shor Farm not only focuses on increasing the productivity of goats through technology and efficient management practices, but also strives to improve environmental sustainability by utilizing agricultural waste as animal feed. This step is very effective in reducing production costs, because agricultural waste that previously had no economic value can be used as a cheap and available source of feed. By utilizing agricultural waste as animal feed, Gus Shor Farm can reduce feed costs incurred for goats. In addition, this step can also help reduce the volume of agricultural waste disposed of, thereby reducing the negative impact on the environment. Thus, Gus Shor Farm not only increases the productivity of goat livestock, but also contributes to the reduction of environmental impact and improves business sustainability.

By applying this methodology, Gus Shor Farm has succeeded in effectively developing goat farming fattening business, creating added value, and contributing to improving the welfare of farmers and consumers.

RESULTS AND DISCUSSION

Gus Shor Farm has achieved tremendous success in animal husbandry thanks to the implementation of measurable and innovative strategies. One of the main keys to their success is the improvement of seed production and quality, as well as consistent population and livestock production. This strategy ensures that they always have a healthy and productive livestock stock, which is the foundation of efficient livestock operations. In addition, Gus Shor Farm also implements effective poultry stabilization measures, as suggested by the Director of Poultry and Livestock Production from the Directorate General of PKH of the Ministry of Agriculture. These measures include proper feed management and strict disease control, thus ensuring optimal health and growth of their livestock. With this holistic approach, Gus Shor

Farm managed to maintain the quality and quantity of livestock production, which ultimately increased the profitability and sustainability of their business.



Figure 2.

Owner of Gus Shor Farm stable, Kanugrahan Maduran village

Managing sufficient feed resources for goat farming can be done in several effective ways.

Here are some steps you can take:

- 1) Use of Quality Feed: Quality feeding is the key to success in goat farming. Goats need a balanced feed and contain enough protein, carbohydrates and minerals. Quality feed can be produced using natural ingredients such as grass, forage, and leaves.
- 2) Use of Technology: The use of technology in feed management can help increase efficiency and productivity. For example, the use of a feed system that can monitor the quality and quantity of feed given can help in managing sufficient feed resources.
- 3) Local Resource Development: Development of local resources such as feed produced from the area surrounding the farm can help in managing sufficient feed resources. For example, the use of grass and forage grown around farms can help in reducing feed costs and improving feed quality.
- 4) Waste Management: Proper feed waste management can help in managing sufficient feed resources. For example, the use of feed waste as organic fertilizer can help in increasing soil fertility and reducing feed costs.
- 5) Partnership Development: The development of partnerships with other farmers can help in managing sufficient feed resources. For example, developing partnerships with farmers who have different feed resources can help in improving feed quality and reducing feed costs.

By implementing these strategies, goat farmers can manage sufficient feed resources and improve the quality of animal husbandry.

Fattening Business Development in Goat Farming is an interesting and important topic in the context of modern agriculture. In the literature, diversification strategies and productivity improvement have become the main focus for researchers and practitioners in an effort to improve the performance of goat farming businesses. Various studies have been conducted to identify opportunities, challenges, and effective strategies in developing a goat fattening business. In this context, a comprehensive literature review can provide a deep understanding of the various aspects related to the development of this venture.

The goat fattening business in Indonesia shows promising potential for economic growth and livestock development (Darmansyah, Fajri, and Lestari 2023) (Sugiarto, Pathiassana, and Yamin 2022). Harnessing agricultural waste for feed production, such as oil palm leaves and agricultural by-products, can have a significant impact on profitability. Applying technologies such as fermentation to feed improvement can improve feed quality and increase profits for farmers (Witjaksono 2020). In addition, integrating nutrient-rich feed engineering can increase knowledge and value-added aspects of the goat farming business. The use of crop-livestock integration, feed preservation technology, and artificial insemination for genetic improvement has further contributed to the success and sustainability of the goat fattening business in Indonesia. Overall, the study highlights the importance of innovative practices and technologies in improving the goat fattening sector in Indonesia.

One important aspect in the development of goat fattening business is the analysis of market potential and consumer demand for goat meat products produced. Study by (Pribadi et al. 2023) shows that the demand for goat meat tends to increase, both in local and international markets. This provides a great opportunity for farmers to develop a goat fattening business in response to growing market demand.

In addition, business diversification is also an important strategy in increasing the sustainability and profitability of goat farming businesses. According to research by (Nurfitria, Febriyantiningrum, and ... 2018), Diversifying the goat business by integrating the production of meat, milk, and other derivative products can increase income and reduce financial risks for farmers. This diversification strategy can include the development of processed goat products such as sausages, jerky, or goat cheese, which have added value and appeal to consumers.

In addition to market aspects and business diversification, increasing productivity is also an important focus in the development of goat fattening business. Study by (Hidajati, Yuliani,

and Damayanti 2022) highlighting the importance of implementing technology and efficient management practices in increasing goat productivity. This includes the use of quality feed, good livestock health management, and selection of superior breeds to produce high-quality fat goats.

In addition, the integration of agricultural systems can also be an effective strategy in increasing the productivity of goat fattening businesses. Research by (Witjaksono 2020) shows that the integration of agricultural systems by utilizing agricultural waste as animal feed can increase the productivity and sustainability of goat farming businesses. Thus, the development of goat fattening business is not only about increasing the number of livestock produced, but also about increasing production efficiency and sustainability.

Analysis of Goat Fattening Business Potential

The goat fattening business shows promising potential based on economic feasibility studies. Research shows that fattening goats with complete feed can produce a BC ratio of 1.20, signaling feasibility for development (Ghimire et al. 2022) (Kusuma Adhianto, Hamdani, and Harris 2017). In Nigeria, small ruminants, including goats, are generally fattened for commercial purposes, with farmers focusing on rapid growth and deposition of fat through intensive feeding. Different types of goat and fodder tree species significantly affected fattening performance, with Boer crosses showing higher weight gain and *L. monopetala* and *F. lacor* identified as better fodder for fattening male goats. Financial analysis methods such as NPV, ROI, BCR, BEP, and PBP are used to assess the profitability of goat farm investments, emphasizing the importance of selecting the most profitable proposals (Primasari and Setyohadi 2017).



Figure 3

The use of grass chopping machine technology for goat feed from Gus Shor Farm

Raising goats for business in Indonesia offers a variety of benefits. First, goat milk production grows, with unique characteristics making it a sought-after source of nutrients for humans (Sumarmono 2022). Financially, micro and small-scale goat farming in Indonesia has proven to be financially viable, with a positive Net Present Value, Internal Rate of Return, and Net Cost of Benefit Ratio (Hevrizen, Murniati, and Abidin 2023). In addition, utilizing unconventional feed sources such as leaves and palm leaves can lead to increased profits due to lower costs compared to traditional grass feed (Darmansyah, Fajri, and Lestari 2023). In addition, genetic aspects of goats, such as identifying candidate genes associated with litter size, provide opportunities for genetic selection to improve productivity and reproductive traits in goats (Nurcahyo et al. 2022). Overall, the goat business in Indonesia presents opportunities for profitability, sustainability, and genetic enhancement.

Implementation of Gus Shor Farm Goat Business Diversification

The implementation of Goat Business Diversification at Gus Shor Farm is an effort made by farmers to expand the range of their products and services, apart from the main activity of fattening goats. This diversification can include various aspects, including goat milk production, goat breeding, processing of goat-derived products, and supporting services such as agrotourism or livestock training.

1. **Goat Milk Production:** Gus Shor Farm can implement goat milk production as a business diversification. Goat milk has a high nutritional value and is increasingly in demand by consumers who care about health. By expanding production to the dairy sector, farms can optimize existing resources and create additional income. Gus Shor Farm can implement goat milk production as a business diversification, which can help increase revenue and operational efficiency. Goat milk has high nutritional value and is increasingly in demand by consumers who care about health, so it has great potential in increasing sales and income. By expanding production to the dairy sector, farms can optimize existing resources and create additional income.
2. **Goat Breeding:** Business diversification can also be done through goat breeding activities. Gus Shor Farm can sell high-quality goat breeds to other farmers or provide artificial insemination services to improve the genetics of goat livestock in the region. Business diversification through goat breeding activities can be an effective strategy to increase Gus Shor Farm's income. By selling high-quality goat breeds to other farmers, Gus Shor Farm can tap into the vast market potential and increase revenue through the sale of seedlings.

In addition, providing artificial insemination services can help improve the genetics of goat livestock in the region, thereby improving the quality of production and business sustainability. Thus, business diversification through goat breeding can help Gus Shor Farm increase revenue and improve production quality while also improving business sustainability.

Processing of Goat Derivative Products: The implementation of goat livestock business diversification can also involve processing derivative products such as sausages, jerky, or goat cheese. Gus Shor Farm can develop a timeline of these products and sell them directly to consumers or through local and online distribution channels. The implementation of goat business diversification by Gus Shor Farm can be done by developing derivative products such as sausages, jerky, or goat cheese. These products can be made by processing goat meat into various forms that are more attractive and have greater added value. Thus, Gus Shor Farm can increase revenue by selling these products directly to consumers or through local and online distribution channels.

Processing goat derivative products can help increase the added value of goat products and improve business sustainability. These products can be made using more modern technology and integrating traditional elements, thus improving the quality and uniqueness of the product. Thus, Gus Shor Farm can increase competence and excellence in the market, as well as increase customer satisfaction by offering more diverse and more attractive products.

In addition, the processing of goat-derived products can also help increase public awareness about the importance of consuming balanced and healthy livestock products. These products can be made using ingredients that are natural and contain no chemicals, thus raising public awareness about the importance of choosing balanced and healthy products. Thus, Gus Shor Farm can increase customer reputation and trust by offering balanced and healthy products.

3. **Support Services:** In addition to the main activities of animal husbandry, Gus Shor Farm can also provide support services such as agrotourism or livestock training. Through agrotourism, farms can open doors for tourists to visit their facilities and learn about the process of goat farming. Meanwhile, livestock training can help local farmers improve their skills in goat livestock management. Gus Shor Farm can provide support services such as agrotourism or livestock training to increase income and raise public awareness of the importance of goat farming. Agrotourism can open doors for tourists to visit livestock

facilities and learn about the process of goat farming, thereby increasing public awareness of the importance of goat farming and increasing income through the sale of derivative products. Meanwhile, livestock training can help local farmers improve their skills in goat livestock management, thereby improving production quality and improving business sustainability.

By implementing business diversification as described above, Gus Shor Farm can optimize the potential of existing resources, increase revenue, and create long-term sustainability for their business.

Productivity and Quality Improvement Strategies

The strategy of increasing the productivity and quality of goat farming at Gus Shor Farm refers to various approaches aimed at increasing efficiency, yield, and quality standards in goat production. Some of the strategies that Gus Shor Farm might implement to achieve this goal include:

1. **Superior Breed Selection:** Gus Shor Farm can choose genetically superior goat breeds, such as high-grade goats in terms of growth, disease resistance, and good reproduction. By choosing the right seedlings, the productivity of farms can be significantly increased. The selection of high-yielding breeds is a very important step in increasing the productivity of goat farming. Gus Shor Farm can choose goat breeds that are genetically superior, such as high-grade goats in terms of growth, disease resistance, and good reproduction. By choosing the right seedlings, the productivity of farms can be significantly increased. The selected superior seeds must have good qualities, such as minimal weight and healthy physical condition, and there are no abnormalities. Thus, animal husbandry can improve production quality and improve business sustainability.
2. **Efficient Feed Management:** Optimizing feed formulations that suit the nutritional needs of goats, be it for growth, milk production, or fattening, is an important step to increase farm productivity. Gus Shor Farm can work with livestock nutritionists to design an efficient and high-quality feed program. Efficient feed management is an important step to increase the productivity of goat farms. Gus Shor Farm can increase livestock productivity by optimizing feed formulations that suit the nutritional needs of goats, be it for growth, milk production, or fattening. Thus, goats can grow faster and healthier, as well as produce better products.

Gus Shor Farm can work with livestock nutritionists to design an efficient and high-quality feed program. Livestock nutritionists can assist in identifying the nutritional needs of goats and designing appropriate feed formulations. Thus, Gus Shor Farm can improve production quality and improve business sustainability.

In addition, efficient feed management can also help in reducing production costs. By using effective and efficient feed ingredients, Gus Shor Farm can reduce feed costs incurred and increase revenue. Thus, Gus Shor Farm can improve business sustainability and increase revenue.

3. **Implementation of Good Livestock Health Practices:** Disease prevention and good health management are key to improving goat productivity and quality. Gus Shor Farm can adopt appropriate vaccination programs, regular health monitoring, and strict sanitation practices to maintain the health and welfare of livestock. The implementation of good livestock health practices is an important key to improving the productivity and quality of goats. Gus Shor Farm can adopt several strategies to maintain the health and welfare of livestock, such as:

- a) **Proper Vaccination Program:** Gus Shor Farm can adopt a proper vaccination program to prevent diseases that can affect livestock. Proper vaccination can help increase the immunity of livestock to diseases and reduce the likelihood of becoming infected.
- b) **Regular Health Monitoring:** Regular health monitoring can help detect symptoms of disease early and take action before it spreads. Gus Shor Farm can conduct regular health monitoring to ensure that livestock are in good health.
- c) **Strict Sanitation Practices:** Strict sanitation practices are an important key in maintaining livestock health. Gus Shor Farm can ensure that cattle sheds are clean and free from materials that can cause disease. In addition, they can also ensure that livestock are provided with quality feed and clean water. By adopting these strategies, Gus Shor Farm can improve the productivity and quality of goats, as well as reduce the costs associated with treating diseases.

4. **Use of Appropriate Technology:** Gus Shor Farm can take advantage of modern technology in farm management, such as livestock information management systems (SIMI) to track individual goat performance, digital health monitoring systems, and feed system automation. The use of this technology can help improve operational efficiency and

production quality. The development of adequate infrastructure is an important factor in creating an environment that supports the growth and well-being of goats. Adequate facilities and infrastructure, such as clean and comfortable stables, well-organized feed areas, and efficient water systems, can help improve the quality of life of livestock and reduce stress that can lead to disease. Thus, farms that have adequate infrastructure can increase productivity and product quality, as well as improve business sustainability.

In some sources, such as, it is argued that an effective dairy farm infrastructure must pay attention to several factors, such as cleanliness, comfort, and efficiency. A clean and comfortable cage can help improve livestock health, while a well-organized feed area can help increase efficiency in feed use. An efficient water system can help reduce operational costs and improve the quality of life of livestock.

In addition, several other sources such as and also emphasize the importance of adequate infrastructure in animal husbandry. They suggest that adequate infrastructure can help improve productivity and product quality, as well as improve business sustainability. In some sources, such as, it is argued that adequate feed will ensure increased population, livestock production and productivity, and adequate infrastructure can help improve the quality of life of livestock and reduce stress that can cause disease.

In synthesis, the development of adequate infrastructure is an important factor in creating an environment that supports the growth and well-being of goats. Adequate facilities and infrastructure, such as clean and comfortable stables, well-organized feed areas, and efficient water systems, can help improve the quality of life of livestock and reduce stress that can lead to disease.

5. Adequate Infrastructure Development: Having adequate facilities and infrastructure, such as clean and comfortable enclosures, well-organized feed areas, and efficient water systems, is an important factor in creating an environment that supports goat growth and welfare. The development of adequate infrastructure is an important factor in creating an environment that supports the growth and well-being of goats. Adequate facilities and infrastructure, such as clean and comfortable stables, well-organized feed areas, and efficient water systems, can help improve the quality of life of livestock and reduce stress that can lead to disease. Thus, farms that have adequate infrastructure can increase productivity and product quality, as well as improve business sustainability.

In some sources, such as, it is stated that infrastructure plays an important role as one of the engines of economic growth and development. The existence of adequate

infrastructure is needed to support various governmental, economic, industrial and social activities in the community and government. Tjokroamidjojo (1984) emphasized that physical, energy, transportation infrastructure in order to improve land, sea, and air connectivity is very important to increase economic growth and community welfare.

In addition, several other sources such as and also emphasize the importance of adequate infrastructure in supporting the growth of the agricultural and plantation industries. They point out that good infrastructure has a crucial role in facilitating the growth of the agricultural and plantation industries, from the transportation of crops to the distribution of products to markets. Good infrastructure development is very important in supporting the growth of the agricultural and plantation sector in Indonesia, as well as improving the quality of life and welfare of the community.

Dedication to the success of goat farming through its harvest and waste treatment in increasing income has shown significant results. One example of this success is in Karawana Village, where goat farmers have processed goat farming waste into organic fertilizer that has economic value and reduces environmental pollution. The results of this program show that farmers have a strong desire to continue processing waste into goods of economic value.

Processing goat waste into organic fertilizer not only helps in reducing environmental pollution, but can also increase the income of farmers. The resulting organic fertilizer can be used as a basic material for making more expensive chemical fertilizers, so that farmers can benefit from the sale of the organic fertilizers produced. In addition, goat waste treatment can also help in improving soil quality and increasing land fertility, so as to increase livestock productivity and increase farmer income.

In addition, the harvest of goats can also increase the income of farmers. Goat farmers in Nagari Palaluar, Koto VII District, Sijunjung Regency, have increased their income through the sale of the goat meat produced. These goat farmers have developed a better goat rearing system and have improved their knowledge and skills in goat rearing management. As a result, they have increased their income through the sale of the goat meat produced.

Overall, the results of the dedication process to the success of goat farming through its harvest and waste treatment in increasing income have shown that goat farming can be a significant source of income for farmers. Processing goat waste into organic fertilizer and increasing income through the sale of goat meat can help in increasing farmers' income and improving the quality of life of the local community.

CONCLUSION

The management of Gus Shor Farm goat farm has significant potential in increasing income through its harvest and waste treatment. However, these farms also face challenges and obstacles that need to be overcome in order for this potential to be realized. In this case, the harvest from goat farming can increase income through the sale of products such as meat, milk, and goat skin. Meanwhile, waste treatment can produce products in the form of organic fertilizers that can improve soil quality and increase future crop yields. In facing challenges and obstacles, these goat farms need to improve feed quality, improve goat health, and increase efficiency in waste management. Thus, the potential of Gus Shor Farm goat farming can be realized to increase income and improve environmental quality.

Advise

Goat farming business can be developed by integrating crops and waste treatment to increase income. The basic concept of this business involves the production of goat milk, meat and leather as the main products. The processing of these crops can include the manufacture of derivative products such as cheese, yoghurt, and processed leather products. In addition, goat farm waste management also has significant economic potential. Solid waste such as goat manure can be processed into organic fertilizer that can be sold to local farmers, while liquid waste can be processed into biogas which can be used as an alternative energy source on the farm. By implementing this strategy, it will not only reduce the environmental impact of waste, but also create an additional source of income for farmers. Integrated and sustainable management will ensure operational efficiency and sustainability of the goat farming business going forward.

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