

Soybean Business Management Training in Improving Product Quality for Soybean Business Actors in Purwakarta

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Abstract (Bahasa Inggris)

The purpose of this community service activity is to provide soybean nursery business management training to help reduce the rate of soybean imports in Indonesia and provide soybean nursery training using F.T.A Serum to empower the people of Purwakarta. The method used in this community service activity is training and program socialization carried out by the community service team as well as assistance in evaluating activities. In addition, the service team also provides assistance to the management of soybean cultivation to the community, especially soybean business actors by using different planting media. The next method is to provide information related to soybean seeding by experts from PT. Dwitunggal Nusa Mandiri and conducts nursery business management training for business actors as well as human resource management. The result of this community service activity is that the management of the soybean nursery business using F.T.A serum has succeeded in increasing the number of harvests in each period. The community gave a very positive response to this community service activity because this activity was very beneficial for soybean business actors in Purwakarta..

Abstrak (Bahasa Indonesia)

Tujuan kegiatan pengabdian kepada masyarakat ini adalah memberikan pelatihan manajemen bisnis pembibitan kedelai untuk membantu menekan laju import kedelai di Indonesia dan memberikan pelatihan pembibitan kedelai dengan menggunakan Serum F.T.A untuk memberdayakan masyarakat Purwakarta. Metode yang digunakan dalam kegiatan pengabdian kepada masyarakat ini adalah pelatihan dan sosialisasi program yang dilakukan oleh tim pengabdian kepada masyarakat serta pendampingan evaluasi kegiatan. Selain itu, tim pengabdian juga melakukan pendampingan pengelolaan budidaya kedelai kepada masyarakat khususnya pelaku usaha kedelai dengan menggunakan media tanam yang berbeda. Metode berikutnya yaitu dengan memberikan informasi terkait pembibitan kedelai oleh tenaga ahli dari PT. Dwitunggal Nusa Mandiri dan mengadakan pelatihan manajemen bisnis pembibitan kepada pelaku usaha serta manajemen sumber daya manusia. Hasil kegiatan pengabdian kepada masyarakat ini adalah manajemen bisnis pembibitan kedelai menggunakan serum F.T.A telah berhasil meningkatkan jumlah panen disetiap periodenya. Masyarakat memberikan respon yang sangat positif terhadap kegiatan pengabdian kepada masyarakat ini karena kegiatan ini sangat bermanfaat bagi pelaku usaha kedelai di Purwakarta..

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1. INTRODUCTION

One of Indonesia's main agricultural food commodities is soybeans. Soybeans are the main ingredient for making tofu or tempeh as a public consumption that has high nutritional value. Due to the protein-rich nature of tempeh, its existence can be used as an affordable alternative source of vegetable protein for the community. (Mukhoyaroh, 2015) Purwakarta has land that can be utilized for soybean planting that can help agricultural commodities. Based on the results of the observation conducted by the team, the problem of business actors in cultivating soybeans was obtained. So, the service team is interested in providing knowledge through training and mentoring activities in organizing and managing soybean nurseries so that the results obtained increase and quality.

The soybean nursery conducted by soybean farming entrepreneurs is on a 10 Hecto Are land located in Purwakarta with the support of PT. DNM (Dwitunggal Nusa Mandiri) on the side of providing soybean nursery procedures and the Service Team to help assist entrepreneurs in managing the existing human resources side.

Although Indonesia is a soybean producer, it has not been able to meet the increasing domestic soybean demand. Thus, soybean imports from other countries must be made to meet the needs of soybeans in Indonesia. To reduce dependence on soybean imports, good and serious efforts are needed so that domestic soybean production can increase through land expansion (Zakaria, 2010).

Based on the National Strategic Food Availability and Needs Prognosis for the January-March 2021 period, Indonesia's final soybean stock in December 2021 reached 411,975 tons. With imports until March 2021 reaching 650,000 tons and estimated domestic soybean production reaching 28,754 tons, the total soybeans available from January to March 2021 is around 1.09 million tons (Hamzah, 2020).

Management Business is an activity that is carried out in a complete manner containing the various goals of a business or venture as well as strategies that can be done to achieve business goals (Supriyanto, 2009). achieve business goals (Supriyanto, 2009). So, the strategy for success is the ability to pour brilliant ideas or ideas, creative as well as innovative. These ideas must have high economic value that can be that can be poured into a business plan well and real. (Suprpto, 2019) Planning is a very important thing in starting a business that will help us in stepping and making decisions (Nugroho, n.d.). help us in taking steps and making decisions (Nugroho, n.d.). So, It can be concluded that planning is something that must be prepared to do something for the better. as a preparation in doing something for the better. (Winarti, 2018)

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Based on the National Strategic Food Availability and Needs Prognosis for the January-March 2021 period, Indonesia's soybean ending stocks in December 2021 reached 411,975 tons. With imports until March 2021 reaching 650,000 tons and estimated domestic soybean production reaching 28,754 tons, the total soybeans available from January to March 2021 is around 1.09 million tons (Hamzah, 2020). Business Management is an activity that is carried out completely containing various objectives of a business or business as well as strategies that can be done to achieve business goals (Supriyanto, 2009). So, the strategy for success is the ability to pour ideas or ideas that are brilliant, creative and innovative. These ideas and ideas must have high economic value that can be poured into a good and real business plan. (Suprpto, 2019)

To achieve the expected goals, it is necessary to make efforts and efforts in business planning, as (Rangkuti, 2000) says that the purpose of business planning is so that business activities that will or are being carried out run while staying on the right track as planned. (Al Farisi et al., 2021)

The soybean nursery business management started in Purwakarta District, West Java and will be used as an initial model for other provinces such as Yoyakarta, East Java, West Sulawesi, North Sulawesi, South Sulawesi, and Lampung. Considering that the problem in the soybean nursery business is the availability of seeds, the initial stage of this business starts with the seeding sector which is then developed into a production business.

It is realized that to implement this business plan requires considerable funds, so funding sources related to national food security activities are needed. (Wicaksono, 2012) Thus, all processes and management activities can be measured based on the plans outlined in the business plan.

Of course, this will affect the good results of soybean seeding. With business management we will be able to know the results of soybeans produced to be better and of higher quality. (Rottie, 2019) To assist the government in reducing soybean import dependence through efforts to increase domestic production, the

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participation of the private sector and other related stake holders is needed to conduct studies and work plans on soybean development business management by conducting partnerships with farmer groups and related stake holders. (Utarinda et al., 2022).

2. RESEARCH METHOD

The method used in this community service activity is a training method conducted for soybean business actors in Purwakarta. This training method is carried out to soybean entrepreneurs in Purwakarta where the service team provides an understanding and benefits of the importance of planning in forming or establishing a business so that fluctuations in the increase in soybean yields can be analyzed properly as a first step to strategize increased production in the future. (Hayati et al., 2021)

From the observations made, it was found that there was a lack of understanding related to business management which had an impact on soybean yields, among others; abandoned land, seeds that were no longer productive / rotten, the development of yields could not be known to increase. In this community service activity, armed with the knowledge of the service team related to F.T.A serum as a substitute for fertilizer that can be implemented in the process of soybean seedling to harvest.

So in its implementation, trying to provide this F.T.A serum through several media models and 3 seedling treatments so that it can be known which media model can produce good yields. The nursery media model is soil media where this model all seedlings are directly provided to the planting field, Polybag media where this model is planted using polybag media with each media given 3 treatments of serum use which can be categorized as two serums namely serum A and serum B or treatment of the two serums AB. (Permatasari et al., 2017)

The purpose of the public service team is to find out how the development of soybean nursery businesses in the Purwakarta area. By observing the soybean nursery process carried out by soybean entrepreneurs in Purwakarta which is still relatively low in yield. This is due to the lack of knowledge in managing a business set up and to get good results. So the service team provides knowledge in the importance of planning in a business in order to obtain data on the development of the business.

Based on the observations made, soybean entrepreneurs still use conventional methods where the yield is not optimal due to the large amount of fertilizer that must be prepared. Armed with the knowledge and information possessed by the service team regarding the serum originating from Japan (F.T.A) which can be used as a substitute for fertilizer.

Thus the service team provided material as well as assistance in the implementation process using business management methods to soybean managers and entrepreneurs in Purwakarta. So this soybean business planning and analysis focuses on the use of F.T.A serum from Japan which is applied to soybean seeds and from LITBANG Agriculture.

The seeding media is soil media where soybean seeds are directly planted into the nursery, plastic bag/polybag media where soybean seeds are planted using polybag media. While each media is treated using 3 treatments, namely treatment A where soybean seeds are planted and using serum from LITBANG Pertanian, treatment B using serum from F.T.A and treatment AB using a combination of the two serums.

3. RESULT AND DISCUSSIONS

Based on observations from the nursery to harvest process carried out by the service team on soybean breeding using F.T.A. serum in Purwakarta, the service team got good results in planning a business that certainly achieved the goal of a business that is the development of the soybean breeding process. From the nursery media carried out, namely soil and polybag media, better results were obtained with treatment B in both media. The description of the results can be seen in Table 1 below:

Table 1. Soybean Development with FTA Method

Indikator Perkembangan	Tinggi Batang cm	Jumlah Tangkai	Jumlah Daun	Buah
Treatment A : 1.				
Pencapaian periode sebelumnya 12/07/2021 12/08/2021	11	8	9	-
2. Pencapaian di periode pelaporan ini	26	14	42	10
Treatment B : 1. Pencapaian periode sebelumnya 12/07/2021 12/08/2021	17	7	14	-

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2. Pencapaian diperiode pelaporan ini Treatment A+B (Kombinasi)	28	22	66	40
1. Pencapaian periode sebelumnya 12/07/2021 12/08/2021	11	8	9	-
2. Pencapaian diperiode pelaporan ini Treatment A :	26	18	54	23
1. Pencapaian periode sebelumnya 12/07/2021 12/08/2021	12	8	36	-
2. Pencapaian diperiode pelaporan ini Treatment B :	30	24	72	12
1. Pencapaian periode sebelumnya 12/07/2021 12/08/2021	18	17	54	-
2. Pencapaian diperiode pelaporan ini Treatment A+B (Kombinasi)	30	26	78	40
1. Pencapaian periode sebelumnya 12/07/2021 12/08/2021	13	8	36	
2. Pencapaian diperiode pelaporan ini	26	19	50	24

Sumber : Data diolah

Based on table 1. it can be seen the development of soybean nurseries using 2 media based on before the business planning briefing and after, namely;

- Soil media with treatment A obtained 10 grains of fruit, treatment B obtained 40 grains of fruit and treatment AB obtained 23 grains of fruit.
- Polybag media with treatment A obtained 10 fruit, treatment B obtained 40 fruit and AB obtained 24 fruit.
- So, from the results obtained the use of serum B can be done on all media both soil and polybag.

The analysis of the business plan carried out for the soybean seeding process in Purwakarta is carried out in 2021 on 10 hectares of land with a seed requirement per hectare of 50 KG with a resulting production of 1.5 tons in each hectare of land. Thus, soybean production can reach 15 Tons with a seed consumption of 500 KG, of course with these results can be a guideline in land expansion that will be carried out in other areas.

4. CONCUSSION AND SUGGESTIONS

4.1 Conclusion

Community service activities were carried out in August September 2021 in Purwakarta. This activity was carried out using the training method of mentoring, monitoring and evaluating the progress of the soybean nursery program using FTA serum. With training, group members can see firsthand the manufacturing process and can try to practice so that later they can apply it themselves on their respective farms. With the training activities, members of the soybean farming group can directly see the manufacturing process and can try to practice so that later it can be applied on their own farms.

Each farmer group member can also process soybeans produced in large quantities for innovative products so that they can be sold and add economic value. This community service activity not only changes the knowledge, attitudes, skills of members of farmer groups in Purwakarta, but there are also empowerment

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activities to optimize their accessibility so that they can improve the economic aspects of farmers by using FTA serum in their farming activities.

4.2 Suggestions

The author's suggestions or recommendations are written in this section. If there are none, then section IV, simply write a conclusion.

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Acknowledgments are optional. Please adjust according to the needs of the publication.

The conclusion consists of a summary of the article that presents a summary of the results of the research that has been carried out, and is the answer to the problem formulation. Conclusions must be aligned with the problem formulation and research objectives. If the conclusion is more than one, then it is written using numerical numbering in paragraphs, not by using bullets, and the author can also add prospects for development of the research/study results and how further implications are the prospects for further research/study of researchers.

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